



BEA WebLogic Workshop™ Help

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tagSamples Samples

This section contains source code for the following samples.

Samples Included in This Section

custom_tags Samples

Index.jsp Sample

netui Samples

netui_databinding Samples

netui_template Samples

TagSamplesController.jspf Sample

custom_tags Samples

This section contains source code for the following samples.

Samples Included in This Section

CustomTags.jsp Sample

CustomTags.jsp Sample

This topic includes the source code for the CustomTags.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/custom_tags/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
```

```
<%@taglib prefix="custom" uri="/WEB-INF/lib/customtags.jar"%>
```

```
<%@taglib prefix="netui" uri="netui-tags-html.tld"%>
```

```
<!--
```

The following samples demonstrates the use of custom tags in JSP pages.

To create a custom tag, follow these steps:

- (1) Create a tag handler class file. This file stores the methods executed by the JSP engine whenever it encounters a custom tag on a JSP page. The tag handler class file must import javax.servlet.jsp and javax.servlet.jsp.tagext packages, and it must include a doStartTag method.
- (2) Create a tag library descriptor (TLD) file. This file will tell the web server where to find the tag handler class when it encounters a custom tag on a JSP page. The TLD file is saved with a .tld extension, but its contents are XML.
- (3) Configure the application's web.xml file.

For details see the help topic Creating Custom Tags.

The sample below uses three custom tags: <custom:simpleHello />, <custom:greeting />, and <custom:textBox />

<custom:simpleHello /> displays the text greeting "Hello World".

<custom:greeting /> does goes one step further, allowing you to greet a user by name.

<custom:textBox /> shows how you can use custom tags to encapsulate and re-use common page elements. In this case the custom tag renders a text box with a title region and a body region.

```
--%>
```

```
<html>
```

```
<head>
```

```
    <netui:base/>
```

```
</head>
```

```
<body>
```

```
    <jsp:include page="/resources/jsp/header.jsp"/>
```

```
    <h3>Custom Tags Samples</h3>
```

```
    <blockquote>
```

```
    <p>The JAVA source files for these custom tags can be found at <code>SamplesApp/WebApp/WEB-
```


navtagSamples.html Sample

```
<p><b>Output from <custom:simpleHello />:</b>
<p><custom:simpleHello />
<p><hr>
<p><b>Output from <custom:greeting name="John Doe" />:</b>
<p><custom:greeting name="John Doe" />
<p><hr>
<p><b>Output from <custom:textBox title="Sample title text">Sample body text</cus
<p><custom:textBox title="Sample title text">Sample body text</custom:textBox>
</blockquote>
<hr>
<netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples</net

</body>
</html>
```


Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:base />
<netui:html>
  <head>
    <title>
      Web Application Samples: Tag Samples
    </title>
    <link href="../../resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>
  <body>
    <jsp:include page="../../resources/jsp/header.jsp"/>
    <h3>Page Flow Samples: Tag Samples</h3>
    <p>These samples show how to use individual &lt;netui...> tags.</p>
    <blockquote>
      <h4>&lt;netui:...> Tags</h4>
      <p><netui:anchor action="toAnchor">&lt;netui:anchor> Tag</netui:anchor>
      <p><netui:anchor action="toBindingUpdateErrors">&lt;netui:bindingUpdateErrors> Tag</netui:anchor>
      <p><netui:anchor action="toButton">&lt;netui:button> Tag</netui:anchor>
      <p><netui:anchor action="toCheckBox">&lt;netui:checkBox> Tag</netui:anchor>
      <p><netui:anchor action="toCheckBoxOption">&lt;netui:checkBoxOption> Tag</netui:anchor>
      <p><netui:anchor action="toContent">&lt;netui:content> Tag</netui:anchor>
      <p><netui:anchor action="toExceptions">&lt;netui:exceptions> Tag</netui:anchor>
      <p><netui:anchor action="toForm">&lt;netui:form> tag</netui:anchor>
      <p><netui:anchor action="toFormatTags">&lt;netui:formatDate>,
        &lt;netui:formatNumber>,
        and &lt;netui:formatString> Tags</netui:anchor>
      <p><netui:anchor action="toImageAnchor">&lt;netui:imageAnchor> Tag</netui:anchor>
      <p><netui:anchor action="toImageButton">&lt;netui:imageButton> Tag</netui:anchor>
      <p><netui:anchor action="toLabel">&lt;netui:label> Tag</netui:anchor>
      <p><netui:anchor action="toParameter">&lt;netui:parameter> Tag</netui:anchor>
      <p><netui:anchor action="toParameterMap">&lt;netui:parameterMap> Tag</netui:anchor>
      <p><netui:anchor action="toRadioButton">&lt;netui:radioButtonGroup> and &lt;netui:radioButton>
      <p><netui:anchor action="toRewrite">&lt;netui:rewriteName> and &lt;netui:rewriteURL> Tag
      <p><netui:anchor action="toSelect">&lt;netui:select> and &lt;netui:selectOptions> Tags
      <p><netui:anchor action="toTextArea">&lt;netui:textArea> Tag</netui:anchor>
      <p><netui:anchor action="toTextBox">&lt;netui:textBox> Tag</netui:anchor>
      <p><netui:anchor action="toTree">&lt;netui:tree> Tag</netui:anchor>
      <p><netui:anchor action="toDynamicTree">&lt;netui:tree> Tag: Dynamic Tree Sample</netui:anchor>
    </blockquote>
    <hr>
    <h4>&lt;netui-data:...> Tags</h4>
    <p><netui:anchor action="toControl">&lt;netui-data:callControl> Tag</netui:anchor>
    <p><netui:anchor action="toCallMethod">&lt;netui-data:callMethod> Tag</netui:anchor>
```


navtagSamples.html Sample

```
<p><netui:anchor action="toCallPageFlow">&lt;netui-data:callPageFlow> Tag</netui:anchor>
<p><netui:anchor action="toCellRepeater">&lt;netui-data:cellRepeater> Tag</netui:anchor>
<p><netui:anchor action="toChoice">&lt;netui-data:choice> Tag</netui:anchor>
<p><netui:anchor action="toDeclarePageInput">&lt;netui-data:declarePageInput> Tag</netui:anchor>
<p><netui:anchor action="toGetData">&lt;netui-data:getData> Tag</netui:anchor>
<p><netui:anchor action="toGrid">&lt;netui-data:grid> and related Tags</netui:anchor>
<p><netui:anchor action="toMessage">&lt;netui-data:message> Tag</netui:anchor>
<p><netui:anchor action="toPad">&lt;netui-data:pad> Tag</netui:anchor>
<p><netui:anchor action="toRepeater">&lt;netui-data:repeater> and related Tags</netui:anchor>
<hr>
<h4>&lt;netui-template:...> Tags</h4>
<p><netui:anchor action="toTemplate">&lt;netui-template:template> and related Tags</netui:anchor>
<hr>
<h4>Custom Tags</h4>
<p><netui:anchor action="toCustomTags">Custom Tags Sample</netui:anchor>
</blockquote>
<hr>
<p><netui:anchor action="toPageFlowSamples">Back to Page Flow Samples Home</netui:anchor>
</body>
</netui:html>
```


netui Samples

This section contains source code for the following samples.

Samples Included in This Section

anchor Samples

bindingUpdateErrors Samples

button Samples

checkBox Samples

checkBoxGroup Samples

checkBoxOption Samples

content Samples

exceptions Samples

fileUpload Samples

form Samples

formatTags Samples

imageAnchor Samples

imageButton Samples

label Samples

parameter Samples

parameterMap Samples

radioButtons Samples

rewrite Samples

scriptContainer Samples

select Samples

textArea Samples

textBox Samples

netui Samples

tree Samples

tree_dynamic Samples

anchor Samples

This section contains source code for the following samples.

Samples Included in This Section

AnchorController.jspf Sample

Index.jsp Sample

LinkPage.jsp Sample

ShowCurrentTime.jsp Sample

ShowData.jsp Sample

AnchorController.jspf Sample

This topic includes the source code for the AnchorController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/anchor/

Sample Source Code

```
package tagSamples.netui.anchor;
import com.bea.wlw.netui.pageflow.FormData;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;
import java.util.Date;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui/anchor/AnchorController.jspf"/>
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="240" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:formSubmit.do#tagSamples.netui.anchor.AnchorController.FormSubmi
 *   <property value="240" name="x"/>
 *   <property value="120" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:showCurrentTime.do">
 *   <property value="360" name="x"/>
 *   <property value="240" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:index.jsp#@@action:formSubmit.do#tagSamples.netui.anc
 *   <property value="240,240,240,240" name="elbowsX"/>
 *   <property value="196,180,180,164" name="elbowsY"/>
 *   <property value="North_1" name="fromPort"/>
 *   <property value="South_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:index.jsp#@@action:showCurrentTime.do@">
 *   <property value="276,300,300,324" name="elbowsX"/>
 *   <property value="232,232,232,232" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="240" name="x"/>
 *   <property value="240" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:showData.jsp">
 *   <property value="400" name="x"/>
 *   <property value="120" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:showCurrentTime.jsp">
```


navtagSamples.html Sample

```

*   <property value="520" name="x" />
*   <property value="240" name="y" />
* </pageflow-object>
* <pageflow-object id="page:linkPage.jsp">
*   <property value="240" name="x" />
*   <property value="40" name="y" />
* </pageflow-object>
* <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
*   <property value="116,160,160,204" name="elbowsX" />
*   <property value="232,232,232,232" name="elbowsY" />
*   <property value="East_1" name="fromPort" />
*   <property value="West_1" name="toPort" />
*   <property value="success" name="label" />
* </pageflow-object>
* <pageflow-object id="forward:path#success#showData.jsp#@action:formSubmit.do#tagSamples.netui">
*   <property value="276,320,320,364" name="elbowsX" />
*   <property value="112,112,112,112" name="elbowsY" />
*   <property value="East_1" name="fromPort" />
*   <property value="West_1" name="toPort" />
*   <property value="success" name="label" />
* </pageflow-object>
* <pageflow-object id="forward:path#success#showCurrentTime.jsp#@action:showCurrentTime.do@">
*   <property value="396,440,440,484" name="elbowsX" />
*   <property value="232,232,232,232" name="elbowsY" />
*   <property value="East_1" name="fromPort" />
*   <property value="West_1" name="toPort" />
*   <property value="success" name="label" />
* </pageflow-object>
* <pageflow-object id="formbeanprop:tagSamples.netui.anchor.AnchorController.FormSubmitForm#fi" />
* <pageflow-object id="formbeanprop:tagSamples.netui.anchor.AnchorController.FormSubmitForm#la" />
* <pageflow-object id="formbean:tagSamples.netui.anchor.AnchorController.FormSubmitForm" />
* </view-properties>
* ::
*/
public class AnchorController extends PageFlowController
{

    // Uncomment this declaration to access Global.app.
    //
    //     protected global.Global globalApp;
    //

    // For an example of page flow exception handling see the example "catch" and "exception-handling"
    // annotations in {project}/WEB-INF/src/global/Global.app

    /**
     * This method represents the point of entry into the pageflow
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin()
    {
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="showData.jsp"
     */
    protected Forward formSubmit(FormSubmitForm form)

```


navtagSamples.html Sample

```
{
    getRequest().setAttribute("submittedData", form);
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="showCurrentTime.jsp"
 */
protected Forward showCurrentTime()
{
    Date date = new java.util.Date();
    System.out.println(date);
    getRequest().setAttribute("date", date);
    return new Forward("success");
}

/**
 * FormData get and set methods may be overwritten by the Form Bean editor.
 */
public static class FormSubmitForm extends FormData
{
    private String lastname;

    private String firstname;

    public void setFirstname(String firstname)
    {
        this.firstname = firstname;
    }

    public String getFirstname()
    {
        return this.firstname;
    }

    public void setLastname(String lastname)
    {
        this.lastname = lastname;
    }

    public String getLastname()
    {
        return this.lastname;
    }
}
}
```


Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/anchor/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      index.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp" /> <br/>
    <h3>Anchor Tag Sample</h3>
    <blockquote>
      <p>
        <b>Linking to a Page</b><br>
        This netui:anchor tag links to the page "linkPage.jsp":<br>
        <netui:anchor href="linkPage.jsp">To linkPage.jsp</netui:anchor>

      <hr>
      <b>Invoking an Action Method</b><br>
      This netui:anchor tag invokes the action method "showCurrentTime".<br>
      <netui:anchor action="showCurrentTime">Invoke showCurrentTime</netui:anchor>

      <hr>
      <b>Submitting Form Data</b><br>
      This netui:anchor tag submit data to the "formSubmit" action.<br>
      <netui:form action="formSubmit">
        Firstname:
        <netui:textBox dataSource="{actionForm.firstname}"/><br>
        Lastname:
        <netui:textBox dataSource="{actionForm.lastname}"/><br>
        <netui:anchor formSubmit="true">Submit</netui:anchor>
      </netui:form>

      <hr>
      <b>Submitting Form Data with a Custom Java Script Function</b><br>
      This netui:anchor tag invokes the custom JavaScript method "helloAlert" before submitti
      <netui:form action="formSubmit">
        Firstname:
        <netui:textBox dataSource="{actionForm.firstname}"/><br>
        Lastname:
        <netui:textBox dataSource="{actionForm.lastname}"/><br>
        <netui:anchor formSubmit="true" onClick="SubmitFromAnchor();return false;">Submit</
      </netui:form>
    </blockquote>
  </body>
</netui:html>
```


navtagSamples.html Sample

```
<script language="JavaScript" type="text/JavaScript">
function SubmitFromAnchor()
{
    // Place custom logic here...
    alert("Hello, " + document.forms[1].elements[0].value + " " + document.forms[1].elemen

    for(var i=0; i<document.forms.length; i++)
    {
        // submit to the action formSubmit
        if (document.forms[i].action == "/WebApp/tagSamples/netui/anchor/formSubmit.do")
        {
            document.forms[i].method="POST";
            document.forms[i].action="/WebApp/tagSamples/netui/anchor/formSubmit.do";
            document.forms[i].submit();
        }
    }
}
</script>
</p>
</blockquote>
<hr>
<netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples<
</body>
</netui:html>
```


LinkPage.jsp Sample

This topic includes the source code for the LinkPage.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/anchor/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      Web Application Page
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp" /> <br/>

    <h3>Welcome to linkPage.jsp!</h3>
    <netui:anchor href="index.jsp">Return to the Anchor Sample Home Page</netui:anchor>

  </body>
</netui:html>
```


ShowCurrentTime.jsp Sample

This topic includes the source code for the ShowCurrentTime.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/anchor/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      showCurrentTime.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp" /> <br/>
    <h3>The current date and time are:</h3>
    <netui:label value="{request.date}"/>
    <p><netui:anchor href="index.jsp">Return to the Anchor Sample Home Page</netui:anchor>
  </body>
</netui:html>
```


ShowData.jsp Sample

This topic includes the source code for the ShowData.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/anchor/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      showData.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp" /> <br/>
    <h3>Here is the data you submitted:</h3>
    <p>
      First Name: <netui:label value="{request.submittedData.firstname}"/><br>
      Last Name: <netui:label value="{request.submittedData.lastname}"/>
    </p>
    <p><netui:anchor href="index.jsp">Return to the Anchor Sample Home Page</netui:anchor>
  </body>
</netui:html>
```


bindingUpdateErrors Samples

This section contains source code for the following samples.

Samples Included in This Section

BindingUpdateErrorsController.jspf Sample

Index.jsp Sample

BindingUpdateErrorsController.jpf Sample

This topic includes the source code for the BindingUpdateErrorsController.jpf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/bindingUpdateErrors/

Sample Source Code

```
package tagSamples.netui.bindingUpdateErrors;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <view-properties>
 *
 *   <pageflow-object id="action:begin.do">
 *
 *     <property value="80" name="x"/>
 *
 *     <property value="100" name="y"/>
 *
 *   </pageflow-object>
 *
 *   <pageflow-object id="page:index.jsp">
 *
 *     <property value="240" name="x"/>
 *
 *     <property value="100" name="y"/>
 *
 *   </pageflow-object>
 *
 * </view-properties>
 * ::
 */
public class BindingUpdateErrorsController extends PageFlowController
{

    // Uncomment this declaration to access Global.app.
    //
    //     protected global.Global globalApp;
    //

    // For an example of page flow exception handling see the example "catch" and "exception-handling"
    // annotations in {project}/WEB-INF/src/global/Global.app

    /**
     * This method represents the point of entry into the pageflow
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
}
```


navtagSamples.html Sample

```
protected Forward begin()  
{  
    return new Forward("success");  
}  
}
```


Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/bindingUpdateErrors/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      index.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <h3>BindingUpdateErrors Tag Sample</h3>
    <p>
      <h4>The error messages on this page are thrown intentionally to demonstrate the
      <code><netui:bindingUpdateErrors></code> tag</h4>
      <p><netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">
      Return to Tag Samples</netui:anchor>

      <p><netui:bindingUpdateErrors expression="{pageFlow._nonExistentField}"/>

      <p><netui:label value="{pageFlow._nonExistentField}"/>
      <p><netui:label value="{pageFlow._anotherNonExistentField}"/>

    </body>
  </netui:html>
```


button Samples

This section contains source code for the following samples.

Samples Included in This Section

ButtonController.jspf Sample

Index.jsp Sample

ShowData.jsp Sample

ButtonController.jspf Sample

This topic includes the source code for the ButtonController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/button/

Sample Source Code

```
package tagSamples.netui.button;
import com.bea.wlw.netui.pageflow.FormData;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;
import java.util.Date;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui/button/ButtonController.jspf"/>
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="120" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:processA.do#tagSamples.netui.button.ButtonController.ProcessData">
 *   <property value="360" name="x"/>
 *   <property value="240" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:processB.do#tagSamples.netui.button.ButtonController.ProcessData">
 *   <property value="360" name="x"/>
 *   <property value="120" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:index.jsp#@action:processB.do#tagSamples.netui.button">
 *   <property value="256,290,290,324" name="elbowsX"/>
 *   <property value="172,172,112,112" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:index.jsp#@action:processA.do#tagSamples.netui.button">
 *   <property value="256,290,290,324" name="elbowsX"/>
 *   <property value="183,183,232,232" name="elbowsY"/>
 *   <property value="East_2" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="220" name="x"/>
 *   <property value="180" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:showData.jsp">
 *   <property value="500" name="x"/>
 *   <property value="180" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
```


navtagSamples.html Sample

```

*   <property value="116,150,150,184" name="elbowsX"/>
*   <property value="112,112,172,172" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#showData.jsp#@action:processA.do#tagSamples.netui.f
*   <property value="396,430,430,464" name="elbowsX"/>
*   <property value="232,232,172,172" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#showData.jsp#@action:processB.do#tagSamples.netui.f
*   <property value="396,430,430,464" name="elbowsX"/>
*   <property value="112,112,172,172" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="formbeanprop:tagSamples.netui.button.ButtonController.ProcessDataForm#f
* <pageflow-object id="formbeanprop:tagSamples.netui.button.ButtonController.ProcessDataForm#l
* <pageflow-object id="formbean:tagSamples.netui.button.ButtonController.ProcessDataForm"/>
* </view-properties>
* ::
*/
public class ButtonController extends PageFlowController
{

    // Uncomment this declaration to access Global.app.
    //
    //     protected global.Global globalApp;
    //

    // For an example of page flow exception handling see the example "catch" and "exception-ha
    // annotations in {project}/WEB-INF/src/global/Global.app

    /**
     * This method represents the point of entry into the pageflow
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin()
    {
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="showData.jsp"
     */
    protected Forward processA(ProcessDataForm form)
    {
        getRequest().setAttribute("submittedData", form);
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="showData.jsp"

```


navtagSamples.html Sample

```
    */
protected Forward processB(ProcessDataForm form)
{
    form.setFirstname( form.getFirstname().toUpperCase() );
    form.setLastname( form.getLastname().toUpperCase() );
    getRequest().setAttribute("submittedData", form);
    return new Forward("success");
}

/**
 * FormData get and set methods may be overwritten by the Form Bean editor.
 */
public static class ProcessDataForm extends FormData
{
    private String lastname;

    private String firstname;

    public void setFirstname(String firstname)
    {
        this.firstname = firstname;
    }

    public String getFirstname()
    {
        return this.firstname;
    }

    public void setLastname(String lastname)
    {
        this.lastname = lastname;
    }

    public String getLastname()
    {
        return this.lastname;
    }
}
}
```


Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/button/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
    <head>
        <title>
            Web Application Page
        </title>
    </head>
    <body>
        <jsp:include page="/resources/jsp/header.jsp" /> <br/>
        <h3>Button Tag Sample</h3>
        <b>Submitting Form Data</b><br>
        <netui:form action="processA">
            Firstname:
            <netui:textBox dataSource="{actionForm.firstname}" /><br>
            Lastname:
            <netui:textBox dataSource="{actionForm.lastname}" /><br>
            <netui:button type="submit" value="Submit to Process A" />
            <netui:button type="submit" value="Submit to Process B" action="processB" />
            <netui:button type="reset" value="Reset" />
        </netui:form>

        <hr>
        <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples</netui:anchor>
    </body>
</netui:html>
```


ShowData.jsp Sample

This topic includes the source code for the ShowData.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/button/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      showData.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp" /> <br/>
    <h3>Here is the data you submitted:</h3>
    <p>
      First Name: <netui:label value="{request.submittedData.firstname}"/><br>
      Last Name: <netui:label value="{request.submittedData.lastname}"/>
    </p>
    <p><netui:anchor href="index.jsp">Return to the Button Sample Home Page</netui:anchor>
  </body>
</netui:html>
```


checkBox Samples

This section contains source code for the following samples.

Samples Included in This Section

CheckBoxController.jspf Sample

Index.jsp Sample

ShowData.jsp Sample

CheckBoxController.jspf Sample

This topic includes the source code for the CheckBoxController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/checkbox/

Sample Source Code

```
package tagSamples.netui.checkBox;
import com.bea.wlw.netui.pageflow.FormData;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/checkbox/CheckBoxController.jspf"/>
 * <pageflow-object id="action:begin.do#tagSamples.checkBox.CheckBoxController.ProcessDataForm"
 *   <property value="80" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="240" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#index.jsp#@action:begin.do#tagSamples.checkBox.Che
 *   <property value="116,160,160,204" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 *   <property value="success" name="label"/>
 * </pageflow-object>
 * <pageflow-object id="formbean:tagSamples.checkBox.CheckBoxController.ProcessDataForm"/>
 * <pageflow-object id="action:processData.do#tagSamples.checkBox.CheckBoxController.ProcessData
 *   <property value="360" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:index.jsp#@action:processData.do#tagSamples.checkBox
 *   <property value="276,300,300,324" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="page:showData.jsp">
 *   <property value="480" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="formbeanprop:tagSamples.checkBox.CheckBoxController.ProcessDataForm#wan
 * <pageflow-object id="forward:path#success#showData.jsp#@action:processData.do#tagSamples.che
 *   <property value="396,420,420,444" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
```


navtagSamples.html Sample

```
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* </view-properties>
* ::
*/
public class CheckBoxController extends PageFlowController
{
    /**
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin(ProcessDataForm form)
    {
        // Set the default value to true.
        form.setWantsSpecialOffers(true);

        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="showData.jsp"
     */
    protected Forward processData(ProcessDataForm form)
    {
        // Place the submitted data on the request Object.
        getRequest().setAttribute("submittedData", form);

        return new Forward("success");
    }

    /**
     * FormData get and set methods may be overwritten by the Form Bean editor.
     */
    public static class ProcessDataForm extends FormData
    {
        private boolean wantsSpecialOffers;

        private boolean currentMember;

        public void setWantsSpecialOffers(boolean wantsSpecialOffers)
        {
            this.wantsSpecialOffers = wantsSpecialOffers;
        }

        public boolean isWantsSpecialOffers()
        {
            return this.wantsSpecialOffers;
        }
    }
}
```


Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/checkbox/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      index.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp" /> <br/>
    <h3>CheckBox Tag Sample</h3>
    <p>The following netui:checkbox has a default value of true. (The default value is set
    Controller file.)
    <netui:form action="processData">
      Do you want to be notified of special offers?
      <netui:checkbox dataSource="{actionForm.wantsSpecialOffers}"/><br>
      <netui:button value="Submit" type="submit"/>
    </netui:form>

    <hr>
    <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples</net
  </body>
</netui:html>
```


ShowData.jsp Sample

This topic includes the source code for the ShowData.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/checkbox/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      showData.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp" /> <br/>
    <h3>Here is the data you submitted:</h3>
    <p>
      User wants to be notified of special offers: <netui:label value="{request.submittedData"
    </p>
    <p><netui:anchor href="index.jsp">Return to the CheckBox Sample Home Page</netui:anchor
  </body>
</netui:html>
```


checkBoxGroup Samples

This section contains source code for the following samples.

Samples Included in This Section

Controller.jsp Sample

Index.jsp Sample

Show.jsp Sample

Controller.jspf Sample

This topic includes the source code for the Controller.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/checkboxGroup/

Sample Source Code

```
package tagSamples.netui.checkboxGroup;

import com.bea.wlw.netui.pageflow.FormData;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;

/**
 * This page flow shows how to handle submissions from a <netui:checkboxGroup>.
 *
 * Note that the Form Bean SubmitForm contains a String[] to hold the
 * multiple selections submitted from the <netui:checkboxGroup>.
 *
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui/checkboxGroup/Controller.jspf"/>
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:submit.do#tagSamples.netui.checkboxGroup.Controller.SubmitForm">
 *   <property value="360" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:backToIndex.do">
 *   <property value="500" name="x"/>
 *   <property value="220" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:index.jsp#@@action:submit.do#tagSamples.netui.checkboxGroup.Controller.SubmitForm">
 *   <property value="276,300,300,324" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="240" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:show.jsp#@@action:backToIndex.do@">
 *   <property value="500,500,500,500" name="elbowsX"/>
 *   <property value="144,160,160,176" name="elbowsY"/>
 *   <property value="South_1" name="fromPort"/>
 *   <property value="North_1" name="toPort"/>
 * </pageflow-object>
```


navtagSamples.html Sample

```

* <pageflow-object id="page:show.jsp">
*   <property value="500" name="x"/>
*   <property value="100" name="y"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
*   <property value="116,160,160,204" name="elbowsX"/>
*   <property value="92,92,92,92" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#show.jsp#@action:submit.do#tagSamples.netui.checkBoxGroup">
*   <property value="396,430,430,464" name="elbowsX"/>
*   <property value="92,92,92,92" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#index.jsp#@action:backToIndex.do@">
*   <property value="464,320,320,276" name="elbowsX"/>
*   <property value="212,212,103,103" name="elbowsY"/>
*   <property value="West_1" name="fromPort"/>
*   <property value="East_2" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="formbeanprop:tagSamples.netui.checkBoxGroup.Controller.SubmitForm#state">
* <pageflow-object id="formbeanprop:tagSamples.netui.checkBoxGroup.Controller.SubmitForm#default">
* <pageflow-object id="formbean:tagSamples.netui.checkBoxGroup.Controller.SubmitForm"/>
* </view-properties>
* ::
*/
public class Controller
    extends PageFlowController
{
    private String[] availableStates = null;

    public String[] availableOptions = {"option1", "option2", "option3"};

    /**
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin()
    {
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="show.jsp"
     */
    protected Forward submit(SubmitForm form)
    {
        getRequest().setAttribute("selections", form.states);
        return new Forward("success", form);
    }

    /**
     * Populate the list of states
     */
    protected void onCreate()

```


navtagSamples.html Sample

```
{
    availableStates = new String[] { "ME", "MA", "NH", "VT", "RI", "CT" };
}

/**
 * JavaBean getter for accessing the list of states.
 */
public String[] getAvailableStates() {return availableStates;}

/**
 * @jpf:action
 * @jpf:forward name="success" path="index.jsp"
 */
protected Forward backToIndex()
{
    return new Forward("success");
}

public static class SubmitForm extends FormData
{
    private String[] defaultState = { "MA", "ME" };
    private String[] states;

    public void setStates(String[] states)
    {
        this.states = states;
    }

    public String[] getStates()
    {
        return this.states;
    }

    public void setDefaultState(String[] defaultState)
    {
        this.defaultState = defaultState;
    }

    public String[] getDefaultState()
    {
        return this.defaultState;
    }
}
}
```


Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/checkboxGroup/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      Check Box Group Sample: index.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <p><b>CheckBoxGroup Tag Sample</b></p>
    <p>
      <netui:form action="submit">
        <table>
          <tr>
            <td><netui:label value="State:"></netui:label></td>
            <td>
              <!--
                The "{actionForm.states}" expression references the list
                of currently selected states.  If there are no currently
                selected states, the default value, {actionForm.defaultState}, is used.
                The "{pageFlow.availableStates}" expression references the
                list of choices to render in the checkboxes.  In this example,
                the display text and POST value are the same.
              -->
              <netui:checkboxGroup dataSource="{actionForm.states}"
                                optionsDataSource="{pageFlow.availableOptions}"
                                defaultValue="{actionForm.defaultState}"/>
            </td>
          </tr>
        </table>
        <netui:button value="Submit" type="submit"/>
      </netui:form>
    </p>
    <hr>
    <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples</netui:anchor>
  </body>
</netui:html>
```


Show.jsp Sample

This topic includes the source code for the Show.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/checkboxGroup/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      show.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp" />
    <p><b>You selected:</b>
    <!--
    Renders a String[] as an HTML ordered list.
    -->
    <netui-data:repeater dataSource="{request.selections}">
      <netui-data:repeaterHeader><ol></netui-data:repeaterHeader>
      <netui-data:repeaterItem>
        <li>
          <netui:label value="{container.item}" defaultValue="&nbsp;"></netui:label>
        </li>
      </netui-data:repeaterItem>
      <netui-data:repeaterFooter></ol></netui-data:repeaterFooter>
    </netui-data:repeater>
    <p><netui:anchor action="backToIndex">Select again</netui:anchor>
  </body>
</netui:html>
```


checkBoxOption Samples

This section contains source code for the following samples.

Samples Included in This Section

CheckBoxOptionController.jspf Sample

Index.jsp Sample

ShowData.jsp Sample

CheckBoxOptionController.jspf Sample

This topic includes the source code for the CheckBoxOptionController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/checkBoxOption/

Sample Source Code

```
package tagSamples.netui.checkBoxOption;
import com.bea.wlw.netui.pageflow.FormData;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui/checkBoxOption/CheckBoxOptionController.jspf">
 * <pageflow-object id="action:begin.do#tagSamples.netui.checkBoxOption.CheckBoxOptionController">
 *   <property value="60" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:processData.do#tagSamples.netui.checkBoxOption.CheckBoxOptionController">
 *   <property value="280" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:index.jsp#@action:processData.do#tagSamples.netui.checkBoxOption.CheckBoxOptionController">
 *   <property value="216,230,230,244" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="180" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:showData.jsp">
 *   <property value="400" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#index.jsp#@action:begin.do#tagSamples.netui.checkBoxOption.CheckBoxOptionController">
 *   <property value="96,120,120,144" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 *   <property value="success" name="label"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#showData.jsp#@action:processData.do#tagSamples.netui.checkBoxOption.CheckBoxOptionController">
 *   <property value="316,340,340,364" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>

```


navtagSamples.html Sample

```
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="formbeanprop:tagSamples.netui.checkBoxOption.CheckBoxOptionController.ProcessDataForm"/>
* <pageflow-object id="formbean:tagSamples.netui.checkBoxOption.CheckBoxOptionController.ProcessDataForm"/>
* </view-properties>
* ::
*/
public class CheckBoxOptionController extends PageFlowController
{
    /**
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin(ProcessDataForm form)
    {
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="showData.jsp"
     */
    protected Forward processData(ProcessDataForm form)
    {
        String wantsCDOffers = "false";
        String wantsDVDOffers = "false";

        for(int i = 0; i<form.getData().length; i++)
        {
            if(form.getData()[i].equals("CDtrue"))
                wantsCDOffers = "true";
            if(form.getData()[i].equals("DVDtrue"))
                wantsDVDOffers = "true";
        }

        // Place the submitted data on the request Object.
        getRequest().setAttribute("wantsCDOffers", wantsCDOffers);
        getRequest().setAttribute("wantsDVDOffers", wantsDVDOffers);

        return new Forward("success");
    }

    /**
     * FormData get and set methods may be overwritten by the Form Bean editor.
     */
    public static class ProcessDataForm extends FormData
    {
        private String[] data;

        public void setData(String[] data)
        {
            this.data = data;
        }

        public String[] getData()
        {
            return this.data;
        }
    }
}
```


Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/checkboxOption/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      index.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <h3>CheckBoxOption Tag Sample</h3>
    The following netui:checkboxOptions have a default value of true. (The default value is
    Controller file.)
    <netui:form action="processData">
      <netui:checkboxGroup dataSource="{actionForm.data}">
        <netui:checkboxOption value="CDtrue">Do you want to be notified of special CD c
        <netui:checkboxOption value="DVDtrue">Do you want to be notified of special DVD
      </netui:checkboxGroup>
      <netui:button value="Submit" type="submit"/>
    </netui:form>

    <hr>
    <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples<
  </body>
</netui:html>
```


ShowData.jsp Sample

This topic includes the source code for the ShowData.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/checkboxOption/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      showData.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp" /> <br/>
    <h3>Here is the data you submitted:</h3>
    <p>
      User wants to be notified of special CD offers: <netui:label value="{request.wantsCDOffer}" />
      User wants to be notified of special DVD offers: <netui:label value="{request.wantsDVDOffer}" />
    </p>
    <p><netui:anchor href="index.jsp">Return to the CheckBoxOption Sample Home Page</netui:anchor></p>
  </body>
</netui:html>
```


content Samples

This section contains source code for the following samples.

Samples Included in This Section

ContentController.jspf Sample

Index.jsp Sample

ContentController.jspf Sample

This topic includes the source code for the ContentController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/content/

Sample Source Code

```
package tagSamples.netui.content;
import com.bea.wlw.netui.pageflow.FormData;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;
import java.util.Date;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/content/ContentController.jspf"/>
 * <pageflow-object id="page:index.jsp">
 *   <property value="240" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
 *   <property value="116,160,160,204" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 *   <property value="success" name="label"/>
 * </pageflow-object>
 * </view-properties>
 * ::
 */
public class ContentController extends PageFlowController
{
    public String _firstname;

    public String _lastname;

    public java.util.Date _date;

    protected void onCreate()
    {
        _firstname = "John";
        _lastname = "Doe";
        _date = new Date();
    }
}
```


navtagSamples.html Sample

```
/**
 * @jpf:action
 * @jpf:forward name="success" path="index.jsp"
 */
protected Forward begin()
{
    return new Forward("success");
}
}
```


Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/content/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      index.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <h3>Content Tag Sample</h3>

    <p>The following <netui:content> tags get their values from the Controller file.</p>
    <blockquote>
      First Name: <netui:content value="{pageFlow._firstname}"/><br>
      Last Name: <netui:content value="{pageFlow._lastname}"/><br>
      Current Date and Time: <netui:content value="{pageFlow._date}"/>
    </blockquote>

    <hr>
    <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples</netui:anchor>
  </body>
</netui:html>
```


exceptions Samples

This section contains source code for the following samples.

Samples Included in This Section

Error.jsp Sample

ExceptionsController.jspf Sample

Index.jsp Sample

Error.jsp Sample

This topic includes the source code for the Error.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/exceptions/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      error.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <blockquote>
      <h3>The error on this page has been intentionally thrown to demonstrate the <netui:
tag.</h3>
      <p><netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Sampl
      <p><b>You have reached this page because a NotLoggedInException has been thrown:</b>
      <p><netui:exceptions showMessage="true" showStackTrace="true"/></p>
    </blockquote>
  </body>
</netui:html>
```


ExceptionsController.jspf Sample

This topic includes the source code for the ExceptionsController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/exceptions/

Sample Source Code

```
package tagSamples.netui.exceptions;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;

/**
 * Users who are not logged in to WebLogic Server will be diverted to the error.jsp page
 * where the netui:exception tag displays the exception that has been thrown and the stack trace
 *
 * @jpf:controller login-required="true"
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui/exceptions/ExceptionsController.jspf"/>
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="240" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:error.jsp">
 *   <property value="380" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
 *   <property value="116,160,160,204" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 *   <property value="success" name="label"/>
 * </pageflow-object>
 * </view-properties>
 * ::
 * @jpf:catch message="You must be logged in to enter this Controller file." path="error.jsp" t
 */
public class ExceptionsController extends PageFlowController
{
    /**
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin()
    {
        return new Forward("success");
    }
}
```



```
}    }
```


Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/exceptions/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
    <head>
        <title>
            index.jsp
        </title>
    </head>
    <body>
        <jsp:include page="/resources/jsp/header.jsp" />
        <h3>Exceptions Tag Sample</h3>
        <blockquote>
            Welcome, logged in user!
        </blockquote>

        <hr>
        <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples</netui:anchor>
    </body>
</netui:html>
```


fileUpload Samples

This section contains source code for the following samples.

Samples Included in This Section

BrowseForFile.jsp Sample

FileUploadController.jspf Sample

ShowFile.jsp Sample

BrowseForFile.jsp Sample

This topic includes the source code for the BrowseForFile.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/fileUpload/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      browseForFile.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <h3>FileUpload Tag Sample</h3>
    <%--
    <netui:form> tags that contain the <netui:fileUpload> tag must
    have the attribute: enctype="multipart/form-data".
    --%>
    <netui:form action="uploadFile" enctype="multipart/form-data">
      <table border="0" bgcolor="#ccffff">
        <tr>
          <td>
            <b>Upload a File</b>
          </td>
        </tr>
        <tr>
          <td>
            <netui:fileUpload tagId="inputbox" dataSource="{actionForm.theFile}" />
          </td>
        </tr>
        <tr align="right">
          <td>
            <netui:button value="Upload File" action="uploadFile"></netui:button>
          </td>
        </tr>
      </table>
    </netui:form>
    <hr>
    <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples<
  </body>
</netui:html>
```


FileUploadController.jspf Sample

This topic includes the source code for the FileUploadController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/fileUpload/

Sample Source Code

```
package tagSamples.netui.fileUpload;
import com.bea.wlw.netui.pageflow.FormData;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;
import java.io.FileNotFoundException;
import java.io.IOException;
import java.io.InputStreamReader;
import java.io.StringWriter;
import org.apache.struts.upload.FormFile;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui/fileUpload/fileUploadController.jspf"/>
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="120" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:uploadFile.do#tagSamples.netui.fileUpload.fileUploadController.U
 *   <property value="280" name="x"/>
 *   <property value="240" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:backToBrowsePage.do">
 *   <property value="80" name="x"/>
 *   <property value="400" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:browseForFile.jsp#@@action:uploadFile.do#tagSamples.n
 *   <property value="116,180,180,244" name="elbowsX"/>
 *   <property value="232,232,232,232" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="page:browseForFile.jsp">
 *   <property value="80" name="x"/>
 *   <property value="240" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:showFile.jsp#@@action:backToBrowsePage.do@">
 *   <property value="244,180,180,116" name="elbowsX"/>
 *   <property value="392,392,392,392" name="elbowsY"/>
 *   <property value="West_1" name="fromPort"/>
 *   <property value="East_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="page:showFile.jsp">
```


navtagSamples.html Sample

```

*   <property value="280" name="x" />
*   <property value="400" name="y" />
* </pageflow-object>
* <pageflow-object id="forward:path#success#browseForFile.jsp#@action:begin.do@">
*   <property value="80,80,80,80" name="elbowsX" />
*   <property value="164,180,180,196" name="elbowsY" />
*   <property value="South_1" name="fromPort" />
*   <property value="North_1" name="toPort" />
*   <property value="success" name="label" />
* </pageflow-object>
* <pageflow-object id="forward:path#success#showFile.jsp#@action:uploadFile.do#tagSamples.netui"
*   <property value="280,280,280,280" name="elbowsX" />
*   <property value="284,320,320,356" name="elbowsY" />
*   <property value="South_1" name="fromPort" />
*   <property value="North_1" name="toPort" />
*   <property value="success" name="label" />
* </pageflow-object>
* <pageflow-object id="forward:path#success#browseForFile.jsp#@action:backToBrowsePage.do@">
*   <property value="80,80,80,80" name="elbowsX" />
*   <property value="356,320,320,284" name="elbowsY" />
*   <property value="North_1" name="fromPort" />
*   <property value="South_1" name="toPort" />
*   <property value="success" name="label" />
* </pageflow-object>
* <pageflow-object id="formbeanprop:tagSamples.netui.fileUpload.fileUploadController.UploadFileForm"
* <pageflow-object id="formbean:tagSamples.netui.fileUpload.fileUploadController.UploadFileForm"
* </view-properties>
* ::
*/

public class fileUploadController extends PageFlowController
{

    public String strFile;

    public String strFileName;

    /**
     * @jpf:action
     * @jpf:forward name="success" path="browseForFile.jsp"
     */
    protected Forward begin()
    {
        return new Forward( "success" );
    }

    /**
     * This method converts the uploaded file to a String format,
     * and forwards the user to a page where the String is displayed.
     */
    /**
     * @jpf:action
     * @jpf:forward name="success" path="showFile.jsp"
     */
    protected Forward uploadFile(UploadFileForm form)
        throws FileNotFoundException, IOException
    {
        // Get the size of the file.
        int filesize = (form.theFile.getFileSize());

        // Make a char Array big enough to fit the file.
        char[] charArr = new char[filesize];

```


navtagSamples.html Sample

```
//Create an input stream to read the file.
InputStreamReader inr = new InputStreamReader(form.theFile.getInputStream());

// Load the input stream into the char Array.
inr.read(charArr);

//Close the input stream.
inr.close();

// Make a String writer to hold uploaded file as a String.
StringWriter strwr = new StringWriter();

// Write the char Array to the StringBuffer.
// Each StringWriter has an internal StringBuffer object.
// You can access the StringBuffer with the .getBuffer method.
strwr.write(charArr);

// Store the file name and the file content in strFileName and strFile, respectively.
// showFile.jsp databinds to these two String objects.
strFileName = form.theFile.getFileName();
strFile = strwr.getBuffer().toString();

//Close the StringWriter object.
strwr.close();

// Foward the user to the showFile.jsp page.
return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="browseForFile.jsp"
 */
protected Forward backToBrowsePage()
{
    return new Forward("success");
}

/**
 * FormData get and set methods may be overwritten by the Form Bean editor.
 */
public static class UploadFileForm extends FormData
{
    private org.apache.struts.upload.FormFile theFile;

    public void setTheFile(org.apache.struts.upload.FormFile theFile)
    {
        this.theFile = theFile;
    }

    public org.apache.struts.upload.FormFile getTheFile()
    {
        return this.theFile;
    }
}
}
```


ShowFile.jsp Sample

This topic includes the source code for the ShowFile.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/fileUpload/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      showFile.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <blockquote>
      <netui:anchor action="backToBrowsePage">Upload Another File</netui:anchor>
      <p>
        <table border="1">
          <tr>
            <td style="background-color:#ffcccc;">
              <strong>File Name: </strong>
              <netui:label value="{pageFlow.strFileName}"/>
            </td>
          </tr>
          <tr>
            <td style="background-color:#ffffcc;">
              <strong>File Content in String form:</strong><br>
              <netui:label value="{pageFlow.strFile}"/>
            </td>
          </tr>
        </table>
      </p>
    </blockquote>
  </body>
</netui:html>
```


form Samples

This section contains source code for the following samples.

Samples Included in This Section

FormController.jspf Sample

Index.jsp Sample

ShowData.jsp Sample

FormController.jspf Sample

This topic includes the source code for the FormController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/form/

Sample Source Code

```
package tagSamples.netui.form;
import com.bea.wlw.netui.pageflow.FormData;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties:
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui/form/FormController.jspf"/>
 * <pageflow-object id="formbean:tagSamples.netui.form.FormController.ProcessDataForm"/>
 * <pageflow-object id="page:showData.jsp">
 *   <property value="80" name="x"/>
 *   <property value="220" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="formbeanprop:tagSamples.netui.form.FormController.ProcessDataForm#name#"/>
 * <pageflow-object id="formbeanprop:tagSamples.netui.form.FormController.ProcessDataForm#age#"/>
 * <pageflow-object id="page:index.jsp">
 *   <property value="240" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:index.jsp#@action:processData.do#tagSamples.netui.form.FormController.ProcessDataForm#name#"/>
 *   <property value="240,240,240,240" name="elbowsX"/>
 *   <property value="144,160,160,176" name="elbowsY"/>
 *   <property value="South_1" name="fromPort"/>
 *   <property value="North_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="action:processData.do#tagSamples.netui.form.FormController.ProcessDataForm#name#"/>
 *   <property value="240" name="x"/>
 *   <property value="220" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#showData.jsp#@action:processData.do#tagSamples.netui.form.FormController.ProcessDataForm#name#"/>
 *   <property value="204,160,160,116" name="elbowsX"/>
 *   <property value="212,212,212,212" name="elbowsY"/>
 *   <property value="West_1" name="fromPort"/>
 *   <property value="East_1" name="toPort"/>
 *   <property value="success" name="label"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:showData.jsp#@action:begin.do@">
 *   <property value="80,80,80,80" name="elbowsX"/>
 *   <property value="176,160,160,144" name="elbowsY"/>
 *   <property value="North_1" name="fromPort"/>
 *   <property value="South_1" name="toPort"/>
 * </pageflow-object>
```


navtagSamples.html Sample

```

* <pageflow-object id="action:begin.do">
*   <property value="80" name="x"/>
*   <property value="100" name="y"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
*   <property value="116,160,160,204" name="elbowsX"/>
*   <property value="92,92,92,92" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* </view-properties>
* ::
*/
public class FormController extends PageFlowController
{
    /*
    * When the Controller file is first created,
    * create a new instance of the Form Bean ProcessDataForm,
    * set default values,
    * and store the instance in the Session object.
    * This instance is picked up by the index.jsp page
    * and the default values are used to prepopulate the form fields there.
    */
    protected void onCreate()
    {
        // Create a new Form Bean instance
        ProcessDataForm formInstance = new ProcessDataForm();

        // Set default values.
        formInstance.setAge(32);
        formInstance.setName("John");

        // Store the instance in the Session object.
        getSession().setAttribute("defaultValues", formInstance);
    }

    /**
    * @jpf:action
    * @jpf:forward name="success" path="index.jsp"
    */
    protected Forward begin()
    {
        return new Forward("success");
    }

    /**
    * @jpf:action
    * @jpf:forward name="success" path="showData.jsp"
    */
    protected Forward processData(ProcessDataForm form)
    {
        getRequest().setAttribute("data", form);
        return new Forward("success");
    }

    public static class ProcessDataForm extends FormData
    {
        private int age;

        private String name;
    }
}

```


navtagSamples.html Sample

```
public void setName(String name)
{
    this.name = name;
}

public String getName()
{
    return this.name;
}

public void setAge(int age)
{
    this.age = age;
}

public int getAge()
{
    return this.age;
}
}
```


Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/form/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<html>
  <head>
    <title>
      index.jsp
    </title>
    <link href="/WebApp/resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <h3>Form Tag Sample</h3>
    <!--
    The name, type, and scope attributes are used to prepopulate the form with default
    The default values are stored in the "Session" object, in an object named "defaultV
    of type "tagSamples.netui.form.FormController$ProcessDataBean".
    These default values are defined in the Controller file's onCreate() method.
    -->
    <netui:form
      action="processData"
      name="defaultValues"
      type="tagSamples.netui.form.FormController$ProcessDataBean"
      scope="session">
      <table>
        <tr valign="top">
          <td>
            Name:
          </td>
          <td>
            <netui:textBox dataSource="{actionForm.name}"/>
          </td>
        </tr>
        <tr valign="top">
          <td>
            Age:
          </td>
          <td>
            <netui:textBox dataSource="{actionForm.age}"/>
          </td>
        </tr>
      </table>
      <br/>
      &nbsp;
    </netui:form>
  </body>
</html>
```


navtagSamples.html Sample

```
        <netui:button value="Submit" type="submit"/>
    </netui:form>

    <hr>
    <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples<
</body>
</html>
```


ShowData.jsp Sample

This topic includes the source code for the ShowData.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/form/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      showData.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <h4>Here is the data you submitted</h4>
    <blockquote>
      Name: <netui:label value="{request.data.name}"/><br>
      Age: <netui:label value="{request.data.age}"/>
    </blockquote>
    <netui:anchor action="begin">Back to Form Sample Home Page</netui:anchor>
  </body>
</netui:html>
```


formatTags Samples

This section contains source code for the following samples.

Samples Included in This Section

FormatTagsController.jspf Sample

Index.jsp Sample

FormatTagsController.jspf Sample

This topic includes the source code for the FormatTagsController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/formatTags/

Sample Source Code

```
package tagSamples.netui.formatTags;
import com.bea.wlw.netui.pageflow.Forward;
import java.util.Date;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui/formatTags/formatTagsController.jspf"/>
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="240" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
 *   <property value="116,160,160,204" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 *   <property value="success" name="label"/>
 * </pageflow-object>
 * </view-properties>
 * ::
 */
public class formatTagsController extends com.bea.wlw.netui.pageflow.PageFlowController
{
    /**
     * The JSP page data binds to this getter method with the expression
     *
     * {pageFlow.date}
     *
     */
    public Date getDate()
    {
        Date today = new java.util.Date();
        return today;
    }

    /**
     * This method represents the point of entry into the pageflow

```


navtagSamples.html Sample

```
* @jpf:action
* @jpf:forward name="success" path="index.jsp"
*/
protected Forward begin()
{
    return new Forward( "success" );
}
}
```


Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/formatTags/

Sample Source Code

```
<%--
This JSP page shows how to use the <netui:formatString>, <netui:formatNumber>,
and <netui:formatDate> tags.
--%>
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<html>
  <head>
    <netui:base/>
    <title>Formatting Strings, Numbers, Dates</title>
    <link href="../../resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>

  <body>

    <jsp:include page="/resources/jsp/header.jsp"/>

    <blockquote>

      <h3>Formatting Tags Sample</h3>

      <p>This sample demonstrates the use of the
      &lt;netui:formatString>, &lt;netui:formatNumber>, and
      &lt;netui:formatDate> tags. For examples of the tag
      attributes, see the pre-rendered source of this JSP in
      /formatTags/index.jsp, and also see the
      /formatTags/formatTagsController.jspf page flow controller.</p>

      <!--
      netui:formatString samples
      -->
      <table border="1" cellpadding="5">
        <thead><tr><th colspan="2" style="background-color:#ccffcc;">&lt;netui:formatString Sam
        <tr class="row-text">
          <td>
            <b>Format Tag</b>
          </td>
          <td>
            <b>Output from Format Tag</b>
          </td>
        </tr>
        <tr class="row-text">
```


navtagSamples.html Sample

```

        <td>
            <netui:formatString pattern="phone (###) ###-####" />
        </td>
        <td>
            <netui:label value="2125555555">
                <netui:formatString pattern="phone (###) ###-####" />
            </netui:label>
        </td>
    </tr>
</tr>
<tr class="row-text">
    <td>
        <netui:formatString pattern="Social Security $#: ###-##-####" />
    </td>
    <td>
        <netui:label value="222222222">
            <netui:formatString pattern="Social Security $#: ###-##-####" />
        </netui:label>
    </td>
</tr>
</table>

<!--
netui:formatNumber samples
-->
<table border="1" cellpadding="5">
    <thead><tr><th colspan="2" style="background-color:#99ffcc;"><netui:formatNumber Sam
    <tr class="row-text">
        <td>
            <b>Format Tag</b>
        </td>
        <td>
            <b>Output from Format Tag</b>
        </td>
    </tr>
    <tr class="row-text">
        <td>
            <netui:formatNumber type="currency" />
        </td>
        <td>
            <netui:label value="1234567.89">
                <netui:formatNumber type="currency" />
            </netui:label>
        </td>
    </tr>
    <tr class="row-text">
        <td>
            <netui:formatNumber type="currency" country="FR" language="fr" />
        </td>
        <td>
            <netui:label value="1234567.89">
                <netui:formatNumber type="currency" country="FR" language="fr" />
            </netui:label>
        </td>
    </tr>
    <tr class="row-text">
        <td>
            <netui:formatNumber type="number" country="DE" language="de" />
        </td>
        <td>
            <netui:label value="1234567.89">

```


navtagSamples.html Sample

```

        <netui:formatNumber type="number" country="DE" language="de" />
    </netui:label>
</td>
</tr>
<tr class="row-text">
    <td>
        <netui:formatNumber type="currency" country="US" language="en" />
    </td>
    <td>
        <netui:label value="14.317">
            <netui:formatNumber type="currency" country="US" language="en" />
        </netui:label>
    </td>
</tr>
<tr class="row-text">
    <td>
        <p>Note that the next three samples have different pattern attributes, but the
        output. This is because the right-most, comma-delimited interval (,###) in each
        the interval used throughout, the other intervals are ignored.</p>
        <netui:formatNumber pattern="#,##,###" />
    </td>
    <td>
        <netui:label value="123456789">
            <netui:formatNumber pattern="#,##,###" />
        </netui:label>
    </td>
</tr>
<tr class="row-text">
    <td>
        <netui:formatNumber pattern="#####,#####,####,###" />
    </td>
    <td>
        <netui:label value="123456789">
            <netui:formatNumber pattern="#####,#####,####,###" />
        </netui:label>
    </td>
</tr>
<tr class="row-text">
    <td>
        <netui:formatNumber pattern="##,###,###" />
    </td>
    <td>
        <netui:label value="123456789">
            <netui:formatNumber pattern="##,###,###" />
        </netui:label>
    </td>
</tr>
</table>

<!--
netui:formatDate samples
-->





```


navtagSamples.html Sample

```
</td>
</tr>
<tr class="row-text">
  <td>
    <netui:formatDate pattern="MMMM dd, yyyy" />
  </td>
  <td>
    <netui:label value="{pageFlow.date}">
      <netui:formatDate pattern="MMMM dd, yyyy" />
    </netui:label>
  </td>
</tr>
<tr class="row-text">
  <td>
    <netui:formatDate pattern="EEEE, MMMM dd, yyyy: hh:mm a" />
  </td>
  <td>
    <netui:label value="{pageFlow.date}">
      <netui:formatDate pattern="EEEE, MMMM dd, yyyy: hh:mm a" />
    </netui:label>
  </td>
</tr>
<tr class="row-text">
  <td>
    <netui:formatDate pattern="MM.dd.yyyy, HH:mm:ss z" />
  </td>
  <td>
    <netui:label value="{pageFlow.date}">
      <netui:formatDate pattern="MM.dd.yyyy, HH:mm:ss z" />
    </netui:label>
  </td>
</tr>
</table>

</blockquote>

<hr>
<netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples</netui:anchor>

</body>

</html>
```


imageAnchor Samples

This section contains source code for the following samples.

Samples Included in This Section

ImageAnchorController.jspf Sample

Index.jsp Sample

LinkPage.jsp Sample

ShowCurrentTime.jsp Sample

ShowData.jsp Sample

ImageAnchorController.jspf Sample

This topic includes the source code for the ImageAnchorController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/imageAnchor/

Sample Source Code

```
package tagSamples.netui.imageAnchor;
import com.bea.wlw.netui.pageflow.FormData;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;
import java.util.Date;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui/imageAnchor/ImageAnchorController.jspf"/>
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="240" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:formSubmit.do#tagSamples.netui.imageAnchor.ImageAnchorController">
 *   <property value="240" name="x"/>
 *   <property value="120" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:showCurrentTime.do">
 *   <property value="360" name="x"/>
 *   <property value="240" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:index.jsp#@action:formSubmit.do#tagSamples.netui.imageAnchor">
 *   <property value="240,240,240,240" name="elbowsX"/>
 *   <property value="196,180,180,164" name="elbowsY"/>
 *   <property value="North_1" name="fromPort"/>
 *   <property value="South_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:index.jsp#@action:showCurrentTime.do@">
 *   <property value="276,300,300,324" name="elbowsX"/>
 *   <property value="232,232,232,232" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="240" name="x"/>
 *   <property value="240" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:showData.jsp">
 *   <property value="400" name="x"/>
 *   <property value="120" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:showCurrentTime.jsp">
```


navtagSamples.html Sample

```

*   <property value="520" name="x" />
*   <property value="240" name="y" />
* </pageflow-object>
* <pageflow-object id="page:linkPage.jsp">
*   <property value="240" name="x" />
*   <property value="40" name="y" />
* </pageflow-object>
* <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
*   <property value="116,160,160,204" name="elbowsX" />
*   <property value="232,232,232,232" name="elbowsY" />
*   <property value="East_1" name="fromPort" />
*   <property value="West_1" name="toPort" />
*   <property value="success" name="label" />
* </pageflow-object>
* <pageflow-object id="forward:path#success#showData.jsp#@action:formSubmit.do#tagSamples.netui">
*   <property value="276,320,320,364" name="elbowsX" />
*   <property value="112,112,112,112" name="elbowsY" />
*   <property value="East_1" name="fromPort" />
*   <property value="West_1" name="toPort" />
*   <property value="success" name="label" />
* </pageflow-object>
* <pageflow-object id="forward:path#success#showCurrentTime.jsp#@action:showCurrentTime.do@">
*   <property value="396,440,440,484" name="elbowsX" />
*   <property value="232,232,232,232" name="elbowsY" />
*   <property value="East_1" name="fromPort" />
*   <property value="West_1" name="toPort" />
*   <property value="success" name="label" />
* </pageflow-object>
* <pageflow-object id="formbeanprop:tagSamples.netui.imageAnchor.ImageAnchorController.FormSubmitForm">
* <pageflow-object id="formbeanprop:tagSamples.netui.imageAnchor.ImageAnchorController.FormSubmitForm">
* <pageflow-object id="formbean:tagSamples.netui.imageAnchor.ImageAnchorController.FormSubmitForm">
* </view-properties>
* ::
*/
public class ImageAnchorController extends PageFlowController
{
    /**
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin()
    {
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="showData.jsp"
     */
    protected Forward formSubmit(FormSubmitForm form)
    {
        getRequest().setAttribute("submittedData", form);
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="showCurrentTime.jsp"
     */
    protected Forward showCurrentTime()
    {

```


navtagSamples.html Sample

```
Date date = new java.util.Date();
System.out.println(date);
getRequest().setAttribute("date", date);
return new Forward("success");
}

public static class FormSubmitForm extends FormData
{
    private String lastname;

    private String firstname;

    public void setFirstname(String firstname)
    {
        this.firstname = firstname;
    }

    public String getFirstname()
    {
        return this.firstname;
    }

    public void setLastname(String lastname)
    {
        this.lastname = lastname;
    }

    public String getLastname()
    {
        return this.lastname;
    }
}
}
```


Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/imageAnchor/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      index.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/> <br/>
    <h3>ImageAnchor Tag Sample</h3>
    <p>
      <b>Linking to a Page</b><br>
      This netui:imageAnchor tag links to the page "linkPage.jsp":<br>
      <netui:imageAnchor
        href="linkPage.jsp"
        src="../../resources/images/go-button.gif"
        rolloverImage="../../resources/images/go-button-rollover.gif"
        border="0">To linkPage.jsp</netui:imageAnchor>

    <hr>
    <b>Invoking an Action Method</b><br>
    This netui:anchor tag invokes the action method "showCurrentTime".<br>
    <netui:imageAnchor
      action="showCurrentTime"
      src="../../resources/images/go-button.gif"
      rolloverImage="../../resources/images/go-button-rollover.gif"
      border="0">Invoke showCurrentTime</netui:imageAnchor>

    <hr>
    <b>Submitting Form Data</b><br>
    This netui:anchor tag submit data to the "formSubmit" action.<br>
    <netui:form action="formSubmit">
      Firstname:
      <netui:textBox dataSource="{actionForm.firstname}"/><br>
      Lastname:
      <netui:textBox dataSource="{actionForm.lastname}"/><br>
      <netui:imageAnchor
        formSubmit="true"
        src="../../resources/images/go-button.gif"
        rolloverImage="../../resources/images/go-button-rollover.gif"
        border="0">Submit</netui:imageAnchor>
    </netui:form>
  </body>
</netui:html>
```


navtagSamples.html Sample

```
<hr>
<b>Submitting Form Data with a Custom Java Script Function</b><br>
This netui:anchor tag invokes the custom JavaScript method "helloAlert" before submitting
<netui:form action="formSubmit">
    Firstname:
    <netui:textBox dataSource="{actionForm.firstname}"/><br>
    Lastname:
    <netui:textBox dataSource="{actionForm.lastname}"/><br>
    <netui:imageAnchor
        formSubmit="true"
        onClick="SubmitFromAnchor();return false;"
        src="../../../resources/images/go-button.gif"
        rolloverImage="../../../resources/images/go-button-rollover.gif"
        border="0">Submit</netui:imageAnchor>
</netui:form>
<script language="JavaScript" type="text/JavaScript">
    function SubmitFromAnchor()
    {
        // Place custom logic here...
        alert("Hello, " + document.forms[1].elements[0].value + " " + document.forms[1].elements[1].value);

        for(var i=0; i<document.forms.length; i++)
        {
            // submit to the action formSubmit
            if (document.forms[i].action == "/WebApp/tagSamples/netui/imageAnchor/formSubmit.do")
            {
                document.forms[i].method="POST";
                document.forms[i].action="/WebApp/tagSamples/netui/imageAnchor/formSubmit.do";
                document.forms[i].submit();
            }
        }
    }
</script>

</p>
<hr>
<netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples</netui:anchor>
</body>
</netui:html>
```


LinkPage.jsp Sample

This topic includes the source code for the LinkPage.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/imageAnchor/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      linkPage.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp" /> <br/>

    <h3>Welcome to linkPage.jsp!</h3>
    <netui:imageAnchor
      href="index.jsp"
      src="../../resources/images/back.gif"
      border="0" />

  </body>
</netui:html>
```


ShowCurrentTime.jsp Sample

This topic includes the source code for the ShowCurrentTime.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/imageAnchor/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      showCurrentTime.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp" /> <br/>
    <h3>The current date and time are:</h3>
    <netui:label value="{request.date}" />
    <p>
      <netui:imageAnchor
        href="index.jsp"
        src="../../resources/images/back.gif"
        border="0" />
    </p>
  </body>
</netui:html>
```


ShowData.jsp Sample

This topic includes the source code for the ShowData.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/imageAnchor/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      showData.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp" /> <br/>
    <h3>Here is the data you submitted:</h3>
    <p>
      First Name: <netui:label value="{request.submittedData.firstname}"/><br>
      Last Name: <netui:label value="{request.submittedData.lastname}"/>
    </p>
    <p>
      <netui:imageAnchor
        href="index.jsp"
        src="../../../resources/images/back.gif"
        border="0"/>
    </p>
  </body>
</netui:html>
```


ImageButton Samples

This section contains source code for the following samples.

Samples Included in This Section

ImageButtonController.jspf Sample

Index.jsp Sample

ShowData.jsp Sample

ImageButtonController.jspf Sample

This topic includes the source code for the ImageButtonController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/imageButton/

Sample Source Code

```
package tagSamples.netui.imageButton;
import com.bea.wlw.netui.pageflow.FormData;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;
import java.util.Date;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui/imageButton/ImageButtonController.jspf"/>
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="120" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:processA.do#tagSamples.netui.imageButton.ImageButtonController.ProcessData">
 *   <property value="240" name="x"/>
 *   <property value="240" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="80" name="x"/>
 *   <property value="240" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:showData.jsp">
 *   <property value="240" name="x"/>
 *   <property value="120" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
 *   <property value="80,80,80,80" name="elbowsX"/>
 *   <property value="164,180,180,196" name="elbowsY"/>
 *   <property value="South_1" name="fromPort"/>
 *   <property value="North_1" name="toPort"/>
 *   <property value="success" name="label"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#showData.jsp#@action:processA.do#tagSamples.netui.imageButton.ImageButtonController.ProcessData">
 *   <property value="240,240,240,240" name="elbowsX"/>
 *   <property value="196,180,180,164" name="elbowsY"/>
 *   <property value="North_1" name="fromPort"/>
 *   <property value="South_1" name="toPort"/>
 *   <property value="success" name="label"/>
 * </pageflow-object>
 * <pageflow-object id="formbeanprop:tagSamples.netui.imageButton.ImageButtonController.ProcessData">
 * </pageflow-object>
 * <pageflow-object id="formbeanprop:tagSamples.netui.imageButton.ImageButtonController.ProcessData">
 * </pageflow-object>
 * <pageflow-object id="formbean:tagSamples.netui.imageButton.ImageButtonController.ProcessData">
 * </pageflow-object>
```


navtagSamples.html Sample

```
* <pageflow-object id="action-call:@page:showData.jsp@##action:begin.do@">
*   <property value="204,160,160,116" name="elbowsX"/>
*   <property value="112,112,112,112" name="elbowsY"/>
*   <property value="West_1" name="fromPort"/>
*   <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp@##action:processA.do#tagSamples.netui.image
*   <property value="116,160,160,204" name="elbowsX"/>
*   <property value="232,232,232,232" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
* </pageflow-object>
* </view-properties>
* ::
*/
public class ImageButtonController extends PageFlowController
{

    // Uncomment this declaration to access Global.app.
    //
    //     protected global.Global globalApp;
    //

    // For an example of page flow exception handling see the example "catch" and "exception-ha
    // annotations in {project}/WEB-INF/src/global/Global.app

    /**
     * This method represents the point of entry into the pageflow
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin()
    {
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="showData.jsp"
     */
    protected Forward processA(ProcessDataForm form)
    {
        getRequest().setAttribute("submittedData", form);
        return new Forward("success");
    }

    /**
     * FormData get and set methods may be overwritten by the Form Bean editor.
     */
    public static class ProcessDataForm extends FormData
    {
        private String lastname;

        private String firstname;

        public void setFirstname(String firstname)
        {
            this.firstname = firstname;
        }
    }
}
```



```
public String getFirstname()  
{  
    return this.firstname;  
}  
  
public void setLastname(String lastname)  
{  
    this.lastname = lastname;  
}  
  
public String getLastname()  
{  
    return this.lastname;  
}  
}
```


Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/imageButton/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      Web Application Page
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/> <br/>
    <h3>ImageButton Tag Sample</h3>
    <b>Submitting Form Data</b><br>
    <netui:form action="processA">
      Firstname:
      <netui:textBox dataSource="{actionForm.firstname}"/><br>
      Lastname:
      <netui:textBox dataSource="{actionForm.lastname}"/><br>
      <netui:imageButton src="../../resources/images/submit.gif"/>
    </netui:form>

    <hr>
    <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples</netui:anchor>
  </body>
</netui:html>
```


ShowData.jsp Sample

This topic includes the source code for the ShowData.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/imageButton/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      showData.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp" /> <br/>
    <h3>Here is the data you submitted:</h3>
    <p>
      First Name: <netui:label value="{request.submittedData.firstname}"/><br>
      Last Name: <netui:label value="{request.submittedData.lastname}"/>
    </p>
    <netui:form action="begin">
      <netui:imageButton src="../../../resources/images/back.gif" />
    </netui:form>
  </body>
</netui:html>
```


label Samples

This section contains source code for the following samples.

Samples Included in This Section

Index.jsp Sample

LabelController.jspf Sample

Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/label/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      index.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <h3>Label Tag Sample</h3>

    <blockquote>

    <h4>General Tag Behavior:</h4>

    <p>This label displays the value of a data binding expression:
    <b><netui:label value="{request.firstname}"/></b>

    <p>The label has been passed a string consisting of three ampersands:
    <b><netui:label value="{request.someString}"/></b>

    <p>This label has been passed the ampersand character entity string:
    <b><netui:label value="{request.ampEnt}"/></b>

    <p>This label has been passed the non-breaking-space entity string:
    <b><netui:label value="{request.spaceEnt}"/></b>

    <p>This label displays styled text:
    <netui:label value="Some Styled Text" style="color:#3333ff;background-color:#ffffcc;font-size:1.2em;float:right;clear:right;"/>

    <h4>Behavior of the <code>defaultValue</code> attribute:</h4>

    <p>If the default value is a string literal, the <netui:formatString> tag is <i>not</i>
    <b><netui:label value="{request.somethingNull}" defaultValue="John">
      <netui:formatString pattern="#####" />
    </netui:label></b>

    <p>If the default value is a data binding expression, the <netui:formatString> tag is
    <b><netui:label value="{request.somethingNull}" defaultValue="{request.firstname}">
      <netui:formatString pattern="#####" />
    </netui:label></b>
```


navtagSamples.html Sample

```
<p>This label displays its default value,  
because the data binding expression resolves to the value NULL. Note that text  
escaping is <i>not</i> applied to the default value:  
<b><netui:label value="{request.somethingNull}" defaultValue="[&nbsp;]"/></b>  
  
</blockquote>  
  
<hr>  
<netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples</netui:anchor>  
  
</body>  
</netui:html>
```


LabelController.jspf Sample

This topic includes the source code for the LabelController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/label/

Sample Source Code

```
package tagSamples.netui.label;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui/label/LabelController.jspf"/>
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="240" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
 *   <property value="116,160,160,204" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 *   <property value="success" name="label"/>
 * </pageflow-object>
 * </view-properties>
 * ::
 */
public class LabelController extends PageFlowController
{
    /**
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin()
    {
        String firstname = "John";
        String somethingNull = null;
        String someString = "&&&";
        String ampEnt = "&";
        String spaceEnt = "&nbsp;";

        getRequest().setAttribute("firstname", firstname);
        getRequest().setAttribute("somethingNull", somethingNull);
        getRequest().setAttribute("someString", someString);
    }
}
```


navtagSamples.html Sample

```
getRequest().setAttribute("ampEnt", ampEnt);  
getRequest().setAttribute("spaceEnt", spaceEnt);  
  
return new Forward("success");  
}  
}
```


parameter Samples

This section contains source code for the following samples.

Samples Included in This Section

Index.jsp Sample

Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/parameter/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      index.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp" />
    <h3>Parameter Tag Sample</h3>

    <blockquote>
      <p>Clicking on the link below will search the Google search engine with the query "Socrates"
      <p>The link uses a <netui:parameter> tag to define the URL parameter.
      <p>
      <netui:anchor href="http://www.google.com/search">
        Search Google with the query "Socrates"
        <netui:parameter name="q" value="Socrates" />
      </netui:anchor>
    </blockquote>

    <hr>
    <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples</netui:anchor>
  </body>
</netui:html>
```


parameterMap Samples

This section contains source code for the following samples.

Samples Included in This Section

Index.jsp Sample

ParameterMapController.jspf Sample

Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/parameterMap/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      index.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <h3>ParameterMap Tag Sample</h3>

    <blockquote>
      <p>Clicking on the link below will search the Google search engine with the query "Socr
      Only Greek language web sites that have been updated in the past 3 months will be search
      <p>The link uses a <netui:parameterMap> tag to define the URL parameters.
      <p>
      <netui:anchor href="http://www.google.com/search">
        Search Greek language web sites updated in the last three months with the query "So
        <netui:parameterMap map="{pageFlow.hashMap}" />
      </netui:anchor>

    </blockquote>
    <hr>
    <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples<
  </body>
</netui:html>
```


ParameterMapController.jspf Sample

This topic includes the source code for the ParameterMapController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/parameterMap/

Sample Source Code

```
package tagSamples.netui.parameterMap;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;
import java.util.HashMap;
import java.util.Map;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui/parameterMap/ParameterMapController.jspf"/>
 * <pageflow-object id="page:index.jsp">
 *   <property value="240" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
 *   <property value="116,160,160,204" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 *   <property value="success" name="label"/>
 * </pageflow-object>
 * </view-properties>
 * ::
 */
public class ParameterMapController extends PageFlowController
{
    public HashMap hashMap = new HashMap();

    protected void onCreate()
    {
        /**
         * The following set of parameters apply to the Google search engine.
         * The "q" parameter defines the search term(s).
         * The "lr" parameter defines the language of the page.
         * The "as_qdr" parameter defines the period when the page was last updated.
         */
        hashMap.put("q", "Socrates");
        hashMap.put("lr", "lang_el");
        hashMap.put("as_qdr", "m3");
    }
}
```



```
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="index.jsp"
 */
protected Forward begin()
{
    return new Forward("success");
}
}
```


radioButtons Samples

This section contains source code for the following samples.

Samples Included in This Section

Index.jsp Sample

RadioButtonsController.jspf Sample

ShowData.jsp Sample

Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/radioButtons/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      index.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <p><b>RadioButtonGroup Tag Sample</b></p>

    <blockquote>
      <p>The following radiobutton options are generated from a java.util.HashMap object
      that exists on the Controller file. Because each entry in the HashMap includes two Str
      the generated radiobuttons have different display texts and underlying values.
      <p><netui:form action="processData">
      <netui:radioButtonGroup
        optionsDataSource="{pageFlow.hashMap}"
        dataSource="{actionForm.selection}" />
      <netui:button value="Submit" />
      </netui:form>

      <hr>

      <p>The following radiobutton options are generated from a String[] object
      that exists on the Controller file. But each element of the String[] object
      includes only one String, the generated radiobuttons
      do *not* have different display texts and underlying values.
      <p><netui:form action="processData">
      <netui:radioButtonGroup
        optionsDataSource="{pageFlow.strArr}"
        dataSource="{actionForm.selection}"/>
      <netui:button value="Submit" />
      </netui:form>

      <hr>

      <p>The following radiobutton options are statically generated from a
      a set of <netui:radioButtonOption> tags.
      <p><netui:form action="processData">
      <netui:radioButtonGroup
        dataSource="{actionForm.selection}">
```


navtagSamples.html Sample

```
<netui:radioButtonOption value="value1">Display Text 1</netui:radioButtonOption><br>
<netui:radioButtonOption value="value2">Display Text 2</netui:radioButtonOption><br>
<netui:radioButtonOption value="value3">Display Text 3</netui:radioButtonOption><br>
</netui:radioButtonGroup>
<netui:button value="Submit" />
</netui:form>

</blockquote>

<hr>
<netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples<
</body>
</netui:html>
```


RadioButtonsController.jspf Sample

This topic includes the source code for the RadioButtonsController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/radioButtons/

Sample Source Code

```
package tagSamples.netui.radioButtons;
import com.bea.wlw.netui.pageflow.FormData;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;
import java.util.HashMap;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui/radioButtons/RadioButtonsController.jspf"/>
 * <pageflow-object id="action:processData.do#tagSamples.netui.radioButtons.RadioButtonsControl
 *   <property value="360" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:backToIndex.do">
 *   <property value="480" name="x"/>
 *   <property value="240" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:index.jsp#@action:processData.do#tagSamples.netui.ra
 *   <property value="276,300,300,324" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="240" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:showData.jsp#@action:backToIndex.do@">
 *   <property value="480,480,480,480" name="elbowsX"/>
 *   <property value="144,170,170,196" name="elbowsY"/>
 *   <property value="South_1" name="fromPort"/>
 *   <property value="North_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="page:showData.jsp">
 *   <property value="480" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#showData.jsp#@action:processData.do#tagSamples.net
 *   <property value="396,420,420,444" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
```


navtagSamples.html Sample

```

*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#index.jsp#@action:backToIndex.do@">
*   <property value="444,240,240,240" name="elbowsX"/>
*   <property value="232,232,188,144" name="elbowsY"/>
*   <property value="West_1" name="fromPort"/>
*   <property value="South_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="action:begin.do">
*   <property value="80" name="x"/>
*   <property value="100" name="y"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
*   <property value="116,160,160,204" name="elbowsX"/>
*   <property value="92,92,92,92" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="formbean:tagSamples.netui.radioButtons.RadioButtonsController.ProcessDa
* <pageflow-object id="formbeanprop:tagSamples.netui.radioButtons.RadioButtonsController.Proce
* </view-properties>
* ::
*/
public class RadioButtonsController extends PageFlowController
{
    public HashMap hashMap = new HashMap();

    /*
     * This String holds the selected option when the user submits his/her choice.
     */
    public String selection = "";

    /*
     * This String[] object is used to construct a set of radiobutton options.
     * The radiobutton options generated from this String[] object have the same values
     * for their display texts and their underlying values.
     */
    public String[] strArr = {"value1", "value2", "value3"};

    public String defVal = "value3";

    protected void onCreate()
    {
        /*
         * The following set of parameters are used to construct a
         * set of radiobutton options.
         * By pointing a netui:radioButtonGroup at this HashMap,
         * the appropriate radiobutton options are automatically generated.
         * Also, because each entry in the HashMap contains two Strings,
         * the options generated have different display texts and underlying values.
         */
        hashMap.put("value1", "Display Text 1");
        hashMap.put("value2", "Display Text 2");
        hashMap.put("value3", "Display Text 3");
    }

    /**
     * This method represents the point of entry into the pageflow
     * @jpf:action

```


navtagSamples.html Sample

```
* @jpf:forward name="success" path="index.jsp"
*/
protected Forward begin()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="showData.jsp"
 */
protected Forward processData(ProcessDataForm form)
{
    getRequest().setAttribute("submittedData", form);
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="index.jsp"
 */
protected Forward backToIndex()
{
    return new Forward("success");
}

/**
 * FormData get and set methods may be overwritten by the Form Bean editor.
 */
public static class ProcessDataForm extends FormData
{
    private String selection;

    public void setSelection(String selection)
    {
        this.selection = selection;
    }

    public String getSelection()
    {
        return this.selection;
    }
}
}
```


ShowData.jsp Sample

This topic includes the source code for the ShowData.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/radioButtons/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      Web Application Page
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp" />
    <blockquote>
      <p><b>You selected:</b>
      <p><netui:label value="{request.submittedData.selection}" />
      <p><netui:anchor action="backToIndex">Select again</netui:anchor>
    </blockquote>
  </body>
</netui:html>
```


rewrite Samples

This section contains source code for the following samples.

Samples Included in This Section

Index.jsp Sample

RewriteController.jspf Sample

Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/rewrite/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <netui:base/>
    <title>
      Rewrite Samples
    </title>
    <link href="../../../resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>
  <body>

    <jsp:include page="/resources/jsp/header.jsp"/> <br/>

    <blockquote>

      <h3>Rewrite Samples</h3>

      <p>This sample shows how the <netui:rewriteName>
      and <netui:rewriteURL> tags can be used in JSP pages,
      enabling applications such as Portals to rewrite names or URLs
      so that the Portlet instances have unique identifiers. </p>

      <hr width="90%">

      <p>Please refer to the pre-rendered
      /rewrite/index.jsp source code. In this page, we create a Javascript method
      using the <netui:rewriteName> tag and put the result into the
      <code>pageContext</code>. This would allow a portal application
      (if one was using this JSP page) to qualify the name, by referring
      to the resultId, which has the value "realName". This page also
      demonstrates creating the name and then using it in other parts of
      the page, as seen in this next link.</p>

      <script type="text/javascript">
      <!--
        function <netui:rewriteName name="myFunction" resultId="realName"/>(anchor)
        {
          anchor.style.color = "red";
        }
        function <%= pageContext.getAttribute("realName")%>Out(anchor)
        {
          anchor.style.color = "blue";
        }
      </script>
    </blockquote>
  </body>
</netui:html>
```


navtagSamples.html Sample

```
    }
-->
</script>

<p>
    <netui:anchor onMouseOver='<%= pageContext.getAttribute("realName") + "(this);"%>'
    action="begin" onMouseOut='<%= pageContext.getAttribute("realName")
    + "Out(this);"%>'>Notice how this sample link changes color
    onMouseOver and onMouseOut.</netui:anchor> </p>

    <p>Refer to the pre-rendered JSP code to see how the
    <netui:rewriteName> tag was used to declare a "realName" resultId.</p>

<hr width="90%">

<p>In this next example, both the <netui:rewriteName> and <netui:rewriteURL
tags are shown being used in standard HTML <span> and <img> tags (that is, not i
other NetUI tags). This would allow a portal to qualify the URL and Id attributes.
</p>

<span id="<netui:rewriteName name="foo"/>" style="color:red">
    This is text inside a span tag set, which gets its Id from a <netui:rewriteName>
    tag's attribute.
</span>
<br/>
<p>The following images are displayed via standard <img> tags, which use
<code>src</code> attributes that contain the <netui:rewriteURL> tag.</p>
<p> ">
<p> ">

</blockquote>

<hr>
<netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples<
</body>
</netui:html>
```


RewriteController.jspf Sample

This topic includes the source code for the RewriteController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/rewrite/

Sample Source Code

```
package tagSamples.netui.rewrite;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui/rewrite/RewriteController.jspf"/>
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:index.jsp#@action:begin.do@">
 *   <property value="204,160,160,116" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="West_1" name="fromPort"/>
 *   <property value="East_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="240" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
 *   <property value="116,160,160,204" name="elbowsX"/>
 *   <property value="81,81,81,81" name="elbowsY"/>
 *   <property value="East_0" name="fromPort"/>
 *   <property value="West_0" name="toPort"/>
 *   <property value="success" name="label"/>
 * </pageflow-object>
 * </view-properties>
 * ::
 */
public class RewriteController extends PageFlowController
{

    // Uncomment this declaration to access Global.app.
    //
    //     protected global.Global globalApp;
    //

    // For an example of page flow exception handling see the example "catch" and "exception-ha
    // annotations in {project}/WEB-INF/src/global/Global.app
```


navtagSamples.html Sample

```
/**
 * This method represents the point of entry into the pageflow
 * @jpf:action
 * @jpf:forward name="success" path="index.jsp"
 */
protected Forward begin()
{
    return new Forward("success");
}
}
```


scriptContainer Samples

This section contains source code for the following samples.

Samples Included in This Section

Index.jsp Sample

Results.jsp Sample

ScriptContainerController.jspf Sample

Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/scriptContainer/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<html>
  <head>
    <netui:base />
    <title>
      Script Container Sample: index.jsp Page
    </title>
    <link href="../../../resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>
  <body style="margin:0">

    <jsp:include page="/resources/jsp/header.jsp"/> <br/>

    <blockquote>

      <h3>Script Container Sample: index.jsp Page</h3>

      <p>This sample shows how you can use a <netui:scriptContainer> and
      </netui:scriptContainer> tag set to organize the script that is generated
      by the NetUI tags that they enclose. This is especially needed for Portal web
      applications, because they often cannot rely on having <html> ... </html>
      tags to provide a default container. In a portlet, some JSP pages might be
      included into other JSP pages. Having redundant <html> ... </html> tags
      in the rendered portlet JSP can result in display problems for some browsers.
      However, omitting the <html> tag (and the container it provides) can result
      in cluttered code, especially where Javascript appears in the file. To solve
      this issue, WebLogic Workshop provides the <netui:scriptContainer> tag for
      JSPs that:</p>
      <ul type="square">
        <li>May appear in a portlet </li>
        <li>Use <netui:*> tags that generate Javascript</li>
      </ul>

      <p>After you drag a scriptContainer tag from the JSP Palette to the JSP Design
      View, you should switch to Source View and move the <netui:scriptContainer>
      and </netui:scriptContainer> tags so that they enclose the other NetUI tags
      that belong to that script container. The first <netui:scriptContainer> tag
      should appear after the JSP's <body> tag. The closing </netui:scriptContainer>
      tag should appear before the JSP's </body> tag.</p>

      <p>When you use the <netui:scriptContainer> tag, you should omit the
      <netui:html> tag; this latter tag creates the <html> and closing
```


navtagSamples.html Sample

</html> tags in the rendered JSP.

<p>You can use multiple sets of <netui:scriptContainer> and </scriptContainer> tag sets, with unique scopeIds assigned to each one, as shown in the pre-rendered version of this index.jsp. The two forms shown below have separate scriptContainers, each with a unique scopeId. You can find the source files for this sample in the following location:</p>

<p><WEBLOGIC_HOME/samples/workshop/SamplesApp/WebApp/scriptContainer</p>

<p>For example, you can look at the pre-rendered <netui:*> tags in this index.jsp, and then with the server running, use your browser's View Source to see in the rendered index.jsp how scriptContainer provided separate containers and organized the Javascript neatly.</p>

<p> </p>

```
<table border='1' cellspacing="0" cellpadding="5"><tr><td>
<netui:scriptContainer scopeId="one" >
<netui:form action="submit" focus="firstName">
  <h4>Form One</h4>
  <table class="tablebody">
    <netui:parameter name="scope" value="one"/>

    <tr class="tablehead" valign="top">
      <td>LastName:</td>
      <td>
        <netui:textBox dataSource="{actionForm.lastName}" tagId="lastName"></ne
      </td>
    </tr>
    <tr class="tablehead" valign="top">
      <td>FirstName:</td>
      <td>
        <netui:textBox dataSource="{actionForm.firstName}" tagId="firstName"></
      </td>
    </tr>
  </table>
<br/>
<netui:anchor formSubmit="true" action="submit">Submit With Parameter
  <netui:parameter name="anchorForm" value='Submitted by "Submit With Paramet
</netui:anchor>
&nbsp;
<netui:anchor formSubmit="true" action="submit">Submit Two With Parameter
  <netui:parameter name="anchorForm" value='Submitted by "Submit Two With Par
</netui:anchor>
&nbsp;
</netui:form>
</netui:scriptContainer>
</td><td valign="top">
<netui:scriptContainer scopeId="two" >
<netui:form action="submit">
  <h4>Form Two</h4>
  <netui:parameter name="scope" value="two"/>
  <table class="tablebody">
    <tr class="tablehead">
      <td>LastName:</td>
      <td>
        <netui:textBox dataSource="{actionForm.lastName}" tagId="lastName"></ne
      </td>
    </tr>
```


navtagSamples.html Sample

```

        <tr class="tablehead">
            <td>FirstName:</td>
            <td>
                <netui:textBox dataSource="{actionForm.firstName}" tagId="firstName"></netui:textBox>
            </td>
        </tr>
    </table>
    <br/>
    <netui:anchor formSubmit="true" action="submit">Submit Form Two
        <netui:parameter name="anchorForm" value='Submit Form Two'></netui:parameter>
    </netui:anchor>
    &nbsp;
</netui:form>
</netui:scriptContainer>
</td></tr></table>

<hr />

This information is generated by JavaScript on the page. It demonstrates the use of
<code>tagId</code> attribute to lookup the actual textBox fields in the generated HTML.
The combination of the <code>name</code> and <code>scope</code> are unique on the page.
<div style="margin:0,10,0,10;font-weight:bold;font-size:8pt;">
<script language="JavaScript" type="text/JavaScript">
    var name = getNetuiTagName("firstName",document.forms[0]);
    var myscope = getScopeId(document.forms[0]);
    document.writeln("Name: " + name + " Scope: " + myscope + "<br/>");
    name = getNetuiTagName("lastName",document.forms[0]);
    var myscope = getScopeId(document.forms[0]);
    document.writeln("Name: " + name + " Scope: " + myscope + "<br/>");
    var name = getNetuiTagName("firstName",document.forms[1]);
    var myscope = getScopeId(document.forms[1]);
    document.writeln("Name: " + name + " Scope: " + myscope + "<br/>");
    name = getNetuiTagName("lastName",document.forms[1]);
    var myscope = getScopeId(document.forms[1]);
    document.writeln("Name: " + name + " Scope: " + myscope + "<br/>");
</script>
</div>

<p>&nbsp;</p>

        <p><b>Return to Samples Home Page</b>&nbsp;&nbsp;&nbsp;</p>
        <netui:form action="done">
            <netui:button value="Home" type="submit"/>
        </netui:form>
    </p>

</blockquote>

<hr>
<netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples</netui:anchor>
</body>
</html>

```


Results.jsp Sample

This topic includes the source code for the Results.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/scriptContainer/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui-data:declarePageInput name="names" type="formAnchorParams.ScriptContainerController.Name" />
<netui:html>
  <head>
    <title>
      Script Container Sample: results.jsp Page
    </title>
    <link href="../../../resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>
  <body style="margin:0">

    <jsp:include page="/resources/jsp/header.jsp"/> <br/>

    <blockquote>

      <h3>Script Container Sample: results.jsp Page</h3>

      <p>Each form post is directed to this page. Below you see (on the rendered JSP) the Scope and text of the Anchor that submitted the form. The anchor text is written to the request through a parameter on the <netui:anchor>. The scope is written to the request through a <netui:parameter> in the form. The LastName and FirstName are user input into the selected form.</p>

      <p><b>Anchor:</b> <netui:label value="{url.anchorForm}"></netui:label> <br />
      <b>Scope:</b> <netui:label value="{url.scope}"></netui:label> <br /><br />
      <b>LastName:</b> <netui:label value="{pageInput.names.lastName}"></netui:label> <br />
      <b>FirstName:</b> <netui:label value="{pageInput.names.firstName}"></netui:label> <br />
      </p>

      <hr />

      <p>
        <netui:anchor action="begin">
          <b>Start scriptContainer Sample Again</b>
        </netui:anchor>
      </p>

      <p><b>Anchor:</b> <netui:label value="{url.anchorForm}"></netui:label> <br />
      <b>Scope:</b> <netui:label value="{url.scope}"></netui:label> <br /><br />
      <b>LastName:</b> <netui:label value="{pageInput.names.lastName}"></netui:label> <br />
      <b>FirstName:</b> <netui:label value="{pageInput.names.firstName}"></netui:label> <br />
      </p>

      <hr />

      <p>Or, return to Samples Home Page <netui:form action="done"></p>
```


navtagSamples.html Sample

```
                <netui:button value="Home" type="submit"/>
            </netui:form>
        </p>
    </blockquote>
</body>
</netui:html>
```


ScriptContainerController.jspf Sample

This topic includes the source code for the ScriptContainerController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/scriptContainer/

Sample Source Code

```
package tagSamples.netui.scriptContainer;
import com.bea.wlw.netui.pageflow.FormData;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/scriptContainer/ScriptContainerController.jspf"/>
 * <pageflow-object id="action:begin.do">
 *   <property value="60" name="x"/>
 *   <property value="60" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:done.do">
 *   <property value="320" name="x"/>
 *   <property value="200" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:submit.do#scriptContainer.ScriptContainerController.NameBean">
 *   <property value="200" name="x"/>
 *   <property value="120" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="320" name="x"/>
 *   <property value="60" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="external-jpf:/Controller.jspf">
 *   <property value="440" name="x"/>
 *   <property value="200" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:results.jsp">
 *   <property value="60" name="x"/>
 *   <property value="200" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
 *   <property value="96,190,190,284" name="elbowsX"/>
 *   <property value="52,52,52,52" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 *   <property value="success" name="label"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#done#/Controller.jspf#@action:done.do@">
 *   <property value="356,380,380,404" name="elbowsX"/>
 *   <property value="192,192,192,192" name="elbowsY"/>

```


navtagSamples.html Sample

```

*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="done" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#results.jsp#@action:submit.do#scriptContainer.ScriptCo
*   <property value="164,130,130,96" name="elbowsX"/>
*   <property value="112,112,181,181" name="elbowsY"/>
*   <property value="West_1" name="fromPort"/>
*   <property value="East_0" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="formbeanprop:scriptContainer.ScriptContainerController.NameBean#lastName
* <pageflow-object id="formbeanprop:scriptContainer.ScriptContainerController.NameBean#firstNa
* <pageflow-object id="formbean:scriptContainer.ScriptContainerController.NameBean"/>
* <pageflow-object id="action-call:@page:index.jsp#@action:submit.do#scriptContainer.ScriptCo
*   <property value="284,260,260,236" name="elbowsX"/>
*   <property value="63,63,112,112" name="elbowsY"/>
*   <property value="West_2" name="fromPort"/>
*   <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:results.jsp#@action:done.do@">
*   <property value="96,190,190,284" name="elbowsX"/>
*   <property value="192,192,192,192" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:results.jsp#@action:begin.do@">
*   <property value="60,60,60,60" name="elbowsX"/>
*   <property value="156,130,130,104" name="elbowsY"/>
*   <property value="North_1" name="fromPort"/>
*   <property value="South_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp#@action:done.do@">
*   <property value="320,320,320,320" name="elbowsX"/>
*   <property value="104,130,130,156" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
* </pageflow-object>
* </view-properties>
* ::
*/
public class ScriptContainerController extends PageFlowController
{

    public String action = "foobar";

    protected global.Global globalApp;

    /**
     * This method represents the point of entry into the pageflow
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin()
    {
        return new Forward("success");
    }

    /**
     * This method represents the exit out of this pageflow
     * @jpf:action

```


navtagSamples.html Sample

```
* @jpf:forward name="done" path="/Controller.jpf"
*/
protected Forward done()
{
    return new Forward("done");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="results.jsp"
 */
protected Forward submit(NameBean form)
{
    Forward f = new Forward("success");
    f.addPageInput("names",form);
    return f;
}

/**
 * FormData get and set methods may be overwritten by the Form Bean editor.
 */
public static class NameBean extends FormData
{
    private String firstName;

    private String lastName;

    public void setLastName(String lastName)
    {
        this.lastName = lastName;
    }

    public String getLastName()
    {
        return this.lastName;
    }

    public void setFirstName(String firstName)
    {
        this.firstName = firstName;
    }

    public String getFirstName()
    {
        return this.firstName;
    }
}
}
```


select Samples

This section contains source code for the following samples.

Samples Included in This Section

Index.jsp Sample

SelectController.jspf Sample

Show.jsp Sample

Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/select/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      index.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <h3>Select Tag Sample</h3>
    <p>The following selection field allows to select only one item.
    <netui:form action="submit">
      <netui:select dataSource="{actionForm.selections}" size="1">
        <netui:selectOption value="red" />
        <netui:selectOption value="blue" />
        <netui:selectOption value="green" />
        <netui:selectOption value="yellow" />
        <netui:selectOption value="orange" />
      </netui:select>
      <netui:button type="submit" value="Submit" />
    </netui:form>

    <hr>

    <p>The following selection field allows selection of multiple items.
    <p><b>Hold down the Ctrl key to select multiple options.</b>
    <netui:form action="submit">
      <netui:select multiple="true" dataSource="{actionForm.selections}" size="5">
        <netui:selectOption value="red" />
        <netui:selectOption value="blue" />
        <netui:selectOption value="green" />
        <netui:selectOption value="yellow" />
        <netui:selectOption value="orange" />
      </netui:select>
      <netui:button type="submit" value="Submit"/>
    </netui:form>

    <hr>

    <p>The following selection field allows selection of multiple items. Note that
    multiple options have been pre-selected.
    <p><b>Hold down the Ctrl key to select multiple options.</b>
```


navtagSamples.html Sample

```
<netui:form action="submit">
  <netui:select multiple="true" dataSource="{actionForm.selections}" defaultValue="{pageI
    <netui:selectOption value="red" />
    <netui:selectOption value="blue" />
    <netui:selectOption value="green" />
    <netui:selectOption value="yellow" />
    <netui:selectOption value="orange" />
  </netui:select>
  <netui:button type="submit" value="Submit"/>
</netui:form>

<hr>

<p>The following selection field was generated dynamically by pointing the
optionsDataSource attribute at a String[] object.
<netui:form action="submit">
  <netui:select optionsDataSource="{pageFlow._options}" dataSource="{actionForm.selection
  <netui:button type="submit" value="Submit"/>
</netui:form>

<hr>

<p>The following selection field was generated dynamically by pointing the
optionsDataSource attribute at a HashMap object. This generates a set of options
that have display text that is different from their submitted text.
<netui:form action="submit">
  <netui:select optionsDataSource="{pageFlow._hashMap}" dataSource="{actionForm.selection
  <netui:button type="submit" value="Submit"/>
</netui:form>

  <hr>
  <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples<
</netui:html>
```


SelectController.jspf Sample

This topic includes the source code for the SelectController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/select/

Sample Source Code

```
package tagSamples.netui.select;

import com.bea.wlw.netui.pageflow.FormData;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;
import java.util.HashMap;

/**
 * This page flow shows how to handle submissions from a <netui:select> tag
 * which includes the attribute multiple="true".
 *
 * When the tag <netui:select multiple="true"> submits, the FormBean should contain
 * a String[] to hold the multi-selected options.
 *
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui/select/selectController.jspf"/>
 * <pageflow-object id="action:begin.do">
 *   <property value="200" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:submit.do#tagSamples.netui.select.selectController.SubmitForm">
 *   <property value="340" name="x"/>
 *   <property value="240" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:backToWebAppSamples.do">
 *   <property value="80" name="x"/>
 *   <property value="240" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:index.jsp#@action:submit.do#tagSamples.netui.select.
 *   <property value="340,340,340,340" name="elbowsX"/>
 *   <property value="144,170,170,196" name="elbowsY"/>
 *   <property value="South_1" name="fromPort"/>
 *   <property value="North_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="340" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:show.jsp#@action:begin.do@">
 *   <property value="200,200,200,200" name="elbowsX"/>
 *   <property value="196,170,170,144" name="elbowsY"/>
 *   <property value="North_1" name="fromPort"/>

```


navtagSamples.html Sample

```

*   <property value="South_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="page:show.jsp">
*   <property value="200" name="x"/>
*   <property value="240" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:/Controller.jpf">
*   <property value="80" name="x"/>
*   <property value="400" name="y"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
*   <property value="236,270,270,304" name="elbowsX"/>
*   <property value="92,92,92,92" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#show.jsp#@action:submit.do#tagSamples.netui.select"
*   <property value="304,270,270,236" name="elbowsX"/>
*   <property value="232,232,232,232" name="elbowsY"/>
*   <property value="West_1" name="fromPort"/>
*   <property value="East_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#/Controller.jpf#@action:backToWebAppSamples.do@">
*   <property value="80,80,80,80" name="elbowsX"/>
*   <property value="284,320,320,356" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="formbeanprop:tagSamples.netui.select.selectController.SubmitForm#select"
* <pageflow-object id="formbean:tagSamples.netui.select.selectController.SubmitForm"/>
* </view-properties>
* ::
*/
public class selectController extends PageFlowController
{
    // When you point the optionsDataSource attribute at the following String[]
    // a set of HTML option tags is automatically generated.
    public String[] _options = {"red", "green", "blue", "orange", "pink", "aqua", "black", "bro

    public HashMap _hashMap = new HashMap();

    protected void onCreate()
    {
        _hashMap.put("#ff3333", "red");
        _hashMap.put("#3333ff", "blue");
        _hashMap.put("#33ff33", "green");
    }

    public String[] _preSelectedOptions = {"green", "blue"};

    /**
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin()
    {
        /*
         * Passing the name/value pair "_preSelectedOptions"/_preSelectedOptions

```


navtagSamples.html Sample

```

    * to the JSP page makes the name/value pair available as a page input
    * on the JSP page. On the JSP page, the name/value can be accessed
    * by the data binding expression {pageInput._preSelectedOptions}.
    */
    return new Forward("success", "_preSelectedOptions", _preSelectedOptions);
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="show.jsp"
 */
protected Forward submit(SubmitForm form)
{
    getRequest().setAttribute("submittedData", form.selections);
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="/Controller.jpf"
 */
protected Forward backToWebAppSamples()
{
    return new Forward("success");
}

/*
 * The <netui:select> tags are databound to this
 * FormBean.
 * The String[] selections holds the (potentially) multiple selections submitted from the <
 */
public static class SubmitForm extends FormData
{
    private String[] selections;

    public void setSelections(String[] selections)
    {
        this.selections = selections;
    }

    public String[] getSelections()
    {
        return this.selections;
    }
}
}
```


Show.jsp Sample

This topic includes the source code for the Show.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/select/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      show.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp" />

    <p><b>You selected:</b></p>
    <p>
      <netui-data:repeater dataSource="{request.submittedData}">
        <netui-data:repeaterHeader><ol></netui-data:repeaterHeader>
        <netui-data:repeaterItem>
          <li>
            <netui:label value="{container.item}" defaultValue="&nbsp;"></netui:label>
          </li>
        </netui-data:repeaterItem>
        <netui-data:repeaterFooter></ol></netui-data:repeaterFooter>
      </netui-data:repeater>
    </p>
    <p><netui:anchor action="begin">Select again</netui:anchor>
  </body>
</netui:html>
```


textArea Samples

This section contains source code for the following samples.

Samples Included in This Section

[Index.jsp Sample](#)

[ShowText.jsp Sample](#)

[TextAreaController.jspf Sample](#)

Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/textArea/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
    <head>
        <title>
            index.jsp
        </title>
    </head>
    <body>

        <jsp:include page="/resources/jsp/header.jsp"/>
        <h3>TextArea Tag Sample</h3>
        <p>Enter text for processing.
        <netui:form action="processText">
            <netui:textArea dataSource="{actionForm.text}" cols="25" rows="7"/>
            <netui:button value="Submit" type="submit"/>
        </netui:form>

    </body>

    <hr>
    <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples</netui:html>
```


ShowText.jsp Sample

This topic includes the source code for the ShowText.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/textArea/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      showText.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <blockquote>
      <p>Here is the text you submittd:<br>
      <p><netui:label value="{request.text}"/>
      <p><netui:anchor action="backToIndex">Back to index.jsp</netui:anchor>
    </blockquote>
  </body>
</netui:html>
```


TextAreaController.jspf Sample

This topic includes the source code for the TextAreaController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/textArea/

Sample Source Code

```
package tagSamples.netui.textArea;
import com.bea.wlw.netui.pageflow.FormData;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui/textArea/TextAreaController.jspf"/>
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="240" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
 *   <property value="116,160,160,204" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 *   <property value="success" name="label"/>
 * </pageflow-object>
 * <pageflow-object id="formbean:tagSamples.netui.textArea.TextAreaController.ProcessTextForm"/>
 * <pageflow-object id="formbeanprop:tagSamples.netui.textArea.TextAreaController.ProcessTextFo">
 * <pageflow-object id="action:processText.do#tagSamples.netui.textArea.TextAreaController.Proc
 *   <property value="380" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:index.jsp#@action:processText.do#tagSamples.netui.te
 *   <property value="276,310,310,344" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="page:showText.jsp">
 *   <property value="540" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#showText.jsp#@action:processText.do#tagSamples.net
 *   <property value="416,460,460,504" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
```


navtagSamples.html Sample

```

*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="action:backToIndex.do">
*   <property value="540" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:showText.jsp@@action:backToIndex.do@">
*   <property value="540,540,540,540" name="elbowsX"/>
*   <property value="144,180,180,216" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#index.jsp#@action:backToIndex.do@">
*   <property value="504,240,240,240" name="elbowsX"/>
*   <property value="252,252,198,144" name="elbowsY"/>
*   <property value="West_1" name="fromPort"/>
*   <property value="South_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* </view-properties>
* ::
*/
public class TextAreaController extends PageFlowController
{
    /**
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin()
    {
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="showText.jsp"
     */
    protected Forward processText(ProcessTextForm form)
    {
        // Convert the text to uppercase, and store it in the Request object.
        getRequest().setAttribute("text", form.text.toUpperCase());
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward backToIndex()
    {
        return new Forward("success");
    }

    /**
     * FormData get and set methods may be overwritten by the Form Bean editor.
     */
    public static class ProcessTextForm extends FormData
    {
        private String text;
    }
}

```


navtagSamples.html Sample

```
public void setText(String text)
{
    this.text = text;
}

public String getText()
{
    return this.text;
}
}
```


textBox Samples

This section contains source code for the following samples.

Samples Included in This Section

Index.jsp Sample

ShowText.jsp Sample

TextBoxController.jspf Sample

Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/textBox/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      index.jsp
    </title>
  </head>
  <body>

    <jsp:include page="/resources/jsp/header.jsp" />
    <h3>TextArea Tag Sample</h3>
    <p>Enter text for processing.
    <netui:form action="processText">
      <netui:textBox dataSource="{actionForm.text}" />
      <netui:button value="Submit" type="submit" />
    </netui:form>

    <hr>
    <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples</netui:anchor>
  </body>
</netui:html>
```


ShowText.jsp Sample

This topic includes the source code for the ShowText.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/textBox/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      showText.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <blockquote>
      <p>Here is the text you submittd:<br>
      <p><netui:label value="{request.text}"/>
      <p><netui:anchor action="begin">Back to index.jsp</netui:anchor>
    </blockquote>
  </body>
</netui:html>
```


TextBoxController.jpf Sample

This topic includes the source code for the TextBoxController.jpf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/textBox/

Sample Source Code

```
package tagSamples.netui.textBox;
import com.bea.wlw.netui.pageflow.FormData;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui/textBox/TextBoxController.jpf"/>
 * <pageflow-object id="action:begin.do#tagSamples.netui.textBox.TextBoxController.ProcessTextF
 *   <property value="80" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:processText.do#tagSamples.netui.textBox.TextBoxController.Proces
 *   <property value="240" name="x"/>
 *   <property value="280" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:index.jsp#@action:processText.do#tagSamples.netui.te
 *   <property value="240,240,240,240" name="elbowsX"/>
 *   <property value="144,190,190,236" name="elbowsY"/>
 *   <property value="South_1" name="fromPort"/>
 *   <property value="North_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="240" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:showText.jsp">
 *   <property value="80" name="x"/>
 *   <property value="280" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#index.jsp#@action:begin.do#tagSamples.netui.textBo
 *   <property value="116,160,160,204" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 *   <property value="success" name="label"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#showText.jsp#@action:processText.do#tagSamples.net
 *   <property value="204,160,160,116" name="elbowsX"/>
 *   <property value="272,272,272,272" name="elbowsY"/>
 *   <property value="West_1" name="fromPort"/>
 *   <property value="East_1" name="toPort"/>
```


navtagSamples.html Sample

```

*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="formbeanprop:tagSamples.netui.textBox.TextBoxController.ProcessTextForm" />
* <pageflow-object id="formbean:tagSamples.netui.textBox.TextBoxController.ProcessTextForm" />
* <pageflow-object id="action-call:@page:showText.jsp@##action:begin.do#tagSamples.netui.textBox.TextBoxController.ProcessTextForm" />
*   <property value="80,80,80,80" name="elbowsX"/>
*   <property value="236,190,190,144" name="elbowsY"/>
*   <property value="North_1" name="fromPort"/>
*   <property value="South_1" name="toPort"/>
* </pageflow-object>
* </view-properties>
* ::
*/
public class TextBoxController extends PageFlowController
{
    /**
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin(ProcessTextForm form)
    {
        form.setText("default text");
        return new Forward("success", form);
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="showText.jsp"
     */
    protected Forward processText(ProcessTextForm form)
    {
        // Convert the text to uppercase, and store it in the Request object.
        getRequest().setAttribute("text", form.text.toUpperCase());
        return new Forward("success");
    }

    /**
     * FormData get and set methods may be overwritten by the Form Bean editor.
     */
    public static class ProcessTextForm extends FormData
    {
        private String text;

        public void setText(String text)
        {
            this.text = text;
        }

        public String getText()
        {
            return this.text;
        }
    }
}

```


tree Samples

This section contains source code for the following samples.

Samples Included in This Section

content Samples

FrameSet.jsp Sample

Tree.jsp Sample

TreeController.jspf Sample

treeImages Samples

content Samples

This section contains source code for the following samples.

Samples Included in This Section

I.jsp Sample

IA.jsp Sample

IA1.jsp Sample

IA2.jsp Sample

IB.jsp Sample

IB1.jsp Sample

IB2.jsp Sample

IC.jsp Sample

IC1.jsp Sample

IC2.jsp Sample

II.jsp Sample

IIA.jsp Sample

IIA1.jsp Sample

IIA2.jsp Sample

IIB.jsp Sample

IIB1.jsp Sample

IIB2.jsp Sample

IIC.jsp Sample

IIC1.jsp Sample

IIC2.jsp Sample

RootFolder.jsp Sample

I.jsp Sample

This topic includes the source code for the I.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      I.jsp
    </title>
  </head>
  <body>I.jsp</body>
</netui:html>
```


IA.jsp Sample

This topic includes the source code for the IA.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IA.jsp
    </title>
  </head>
  <body>
    <p>IA.jsp</p>
  </body>
</netui:html>
```


IA1.jsp Sample

This topic includes the source code for the IA1.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IA1.jsp
    </title>
  </head>
  <body>
    <p>IA1.jsp</p>
  </body>
</netui:html>
```


IA2.jsp Sample

This topic includes the source code for the IA2.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IA2.jsp
    </title>
  </head>
  <body>
    <p>IA2.jsp</p>
  </body>
</netui:html>
```


IB.jsp Sample

This topic includes the source code for the IB.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IB.jsp
    </title>
  </head>
  <body>
    <p>IB.jsp</p>
  </body>
</netui:html>
```


IB1.jsp Sample

This topic includes the source code for the IB1.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IB1.jsp
    </title>
  </head>
  <body>
    <p>
      IB1.jsp
    </p>
  </body>
</netui:html>
```


IB2.jsp Sample

This topic includes the source code for the IB2.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IB2.jsp
    </title>
  </head>
  <body>
    <p>
      IB2.jsp
    </p>
  </body>
</netui:html>
```


IC.jsp Sample

This topic includes the source code for the IC.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IC.jsp
    </title>
  </head>
  <body>
    <p>
      IC.jsp
    </p>
  </body>
</netui:html>
```


IC1.jsp Sample

This topic includes the source code for the IC1.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IC1.jsp
    </title>
  </head>
  <body>
    <p>
      IC1.jsp
    </p>
  </body>
</netui:html>
```


IC2.jsp Sample

This topic includes the source code for the IC2.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IC2.jsp
    </title>
  </head>
  <body>
    <p>
      IC2.jsp
    </p>
  </body>
</netui:html>
```


II.jsp Sample

This topic includes the source code for the II.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      II.jsp
    </title>
  </head>
  <body>
    <p>II.jsp</p>
  </body>
</netui:html>
```


IIA.jsp Sample

This topic includes the source code for the IIA.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IIA.jsp
    </title>
  </head>
  <body>
    <p>
      IIA.jsp
    </p>
  </body>
</netui:html>
```


IIA1.jsp Sample

This topic includes the source code for the IIA1.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IIA1.jsp
    </title>
  </head>
  <body>
    <p>
      IIA1.jsp
    </p>
  </body>
</netui:html>
```


IIA2.jsp Sample

This topic includes the source code for the IIA2.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IIA2.jsp
    </title>
  </head>
  <body>
    <p>
      IIA2.jsp
    </p>
  </body>
</netui:html>
```


IIB.jsp Sample

This topic includes the source code for the IIB.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IIB.jsp
    </title>
  </head>
  <body>
    <p>
      IIB.jsp
    </p>
  </body>
</netui:html>
```


IIB1.jsp Sample

This topic includes the source code for the IIB1.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IIB1.jsp
    </title>
  </head>
  <body>
    <p>
      IIB1.jsp
    </p>
  </body>
</netui:html>
```


IIB2.jsp Sample

This topic includes the source code for the IIB2.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IIB2.jsp
    </title>
  </head>
  <body>
    <p>
      IIB2.jsp
    </p>
  </body>
</netui:html>
```


IIC.jsp Sample

This topic includes the source code for the IIC.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IIC.jsp
    </title>
  </head>
  <body>
    <p>
      IIC.jsp
    </p>
  </body>
</netui:html>
```


IIC1.jsp Sample

This topic includes the source code for the IIC1.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IIC1.jsp
    </title>
  </head>
  <body>
    <p>
      IIC1.jsp
    </p>
  </body>
</netui:html>
```


IIC2.jsp Sample

This topic includes the source code for the IIC2.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IIC2.jsp
    </title>
  </head>
  <body>
    <p>
      IIC2.jsp
    </p>
  </body>
</netui:html>
```


RootFolder.jsp Sample

This topic includes the source code for the RootFolder.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      RootFolder.jsp
    </title>
  </head>
  <body>
    <p>RootFolder.jsp</p>
  </body>
</netui:html>
```


FrameSet.jsp Sample

This topic includes the source code for the FrameSet.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      Frame Set
    </title>
    <netui:base target="/tree/" />
  </head>
  <frameset cols="20%,*">
    <frame src="tree.jsp" name="navFrame" id="navFrame">
    <frame src="content/RootFolder.jsp" name="contentFrame" id="contentFrame">
  </frameset>
</netui:html>
```


Tree.jsp Sample

This topic includes the source code for the Tree.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/

Sample Source Code

```
<%@ taglib uri="netui-tags-html.tld" prefix="netui" %>
<html>
<head>
<title>Tree Tag</title>
<netui:base />
</head>
<body bgcolor="#ccffcc">
    <netui:tree
        tree="{session.tree}"
        imageRoot="treeImages"
        style="tree-control"
        action="treeState">
        <netui:node label="Root Folder" expanded="true" action="treeState" target="contentFrame">
            <netui:node label="I" expanded="false" action="treeState" target="contentFrame">
                <netui:node label="A" expanded="false" action="treeState" target="contentFrame">
                    <netui:node label="1" action="treeState" target="contentFrame"/>
                    <netui:node label="2" action="treeState" target="contentFrame"/>
                </netui:node>
                <netui:node label="B" expanded="false" action="treeState" target="contentFrame">
                    <netui:node label="1" action="treeState" target="contentFrame"/>
                    <netui:node label="2" action="treeState" target="contentFrame"/>
                </netui:node>
                <netui:node label="C" expanded="false" action="treeState" target="contentFrame">
                    <netui:node label="1" action="treeState" target="contentFrame"/>
                    <netui:node label="2" action="treeState" target="contentFrame"/>
                </netui:node>
            </netui:node>
            <netui:node label="II" expanded="false" action="treeState" target="contentFrame">
                <netui:node label="A" expanded="false" action="treeState" target="contentFrame">
                    <netui:node label="1" action="treeState" target="contentFrame"/>
                    <netui:node label="2" action="treeState" target="contentFrame"/>
                </netui:node>
                <netui:node label="B" expanded="false" action="treeState" target="contentFrame">
                    <netui:node label="1" action="treeState" target="contentFrame"/>
                    <netui:node label="2" action="treeState" target="contentFrame"/>
                </netui:node>
                <netui:node label="C" expanded="false" action="treeState" target="contentFrame">
                    <netui:node label="1" action="treeState" target="contentFrame"/>
                    <netui:node label="2" action="treeState" target="contentFrame"/>
                </netui:node>
            </netui:node>
        </netui:tree>
    <hr />
    <netui:anchor target="_top" href="/WebApp/tagSamples/tagSamplesController.jspf" style="font-size
```



```
</body>  
</html>
```


TreeController.jspf Sample

This topic includes the source code for the TreeController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree/

Sample Source Code

```
package tagSamples.netui.tree;

import com.bea.wlw.netui.pageflow.PageFlowController;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.FormData;
import com.bea.wlw.netui.tags.html.Node;

import javax.servlet.http.HttpSession;

import com.bea.wlw.netui.tags.html.TreeNode;
import java.util.HashMap;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui/tree/treeController.jspf"/>
 * <pageflow-object id="action:treeState.do">
 *   <property value="80" name="x"/>
 *   <property value="260" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="60" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:content/RootFolder.jsp">
 *   <property value="300" name="x"/>
 *   <property value="60" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:content/I.jsp">
 *   <property value="320" name="x"/>
 *   <property value="120" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:content/IA.jsp">
 *   <property value="320" name="x"/>
 *   <property value="180" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:content/IA1.jsp">
 *   <property value="460" name="x"/>
 *   <property value="180" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:content/IA2.jsp">
 *   <property value="560" name="x"/>
 *   <property value="180" name="y"/>
```



```

* </pageflow-object>
* <pageflow-object id="page:content/IB.jsp">
*   <property value="460" name="x"/>
*   <property value="240" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:content/IB1.jsp">
*   <property value="320" name="x"/>
*   <property value="240" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:content/IB2.jsp">
*   <property value="560" name="x"/>
*   <property value="240" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:content/IC.jsp">
*   <property value="320" name="x"/>
*   <property value="300" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:content/IC1.jsp">
*   <property value="460" name="x"/>
*   <property value="300" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:content/IC2.jsp">
*   <property value="560" name="x"/>
*   <property value="300" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:content/II.jsp">
*   <property value="320" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:content/IIA.jsp">
*   <property value="320" name="x"/>
*   <property value="420" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:content/IIA1.jsp">
*   <property value="460" name="x"/>
*   <property value="420" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:content/IIA2.jsp">
*   <property value="560" name="x"/>
*   <property value="420" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:content/IIB.jsp">
*   <property value="320" name="x"/>
*   <property value="500" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:content/IIB1.jsp">
*   <property value="460" name="x"/>
*   <property value="500" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:content/IIB2.jsp">
*   <property value="560" name="x"/>
*   <property value="500" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:content/IIC.jsp">
*   <property value="320" name="x"/>
*   <property value="580" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:content/IIC1.jsp">
*   <property value="460" name="x"/>
*   <property value="580" name="y"/>
* </pageflow-object>

```


navtagSamples.html Sample

```
* <pageflow-object id="page:content/IIC2.jsp">
*   <property value="560" name="x"/>
*   <property value="580" name="y"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:tree.jsp#@action:treeState.do@">
*   <property value="100,100,80,80" name="elbowsX"/>
*   <property value="616,460,460,304" name="elbowsY"/>
*   <property value="North_1" name="fromPort"/>
*   <property value="South_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="page:tree.jsp">
*   <property value="100" name="x"/>
*   <property value="660" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:frameSet.jsp">
*   <property value="80" name="x"/>
*   <property value="180" name="y"/>
* </pageflow-object>
* <pageflow-object id="forward:path#0#content/RootFolder.jsp#@action:treeState.do@">
*   <property value="116,190,190,264" name="elbowsX"/>
*   <property value="252,252,52,52" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="0" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#0.0#content/I.jsp#@action:treeState.do@">
*   <property value="116,200,200,284" name="elbowsX"/>
*   <property value="252,252,112,112" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="0.0" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#0.0.0#content/IA.jsp#@action:treeState.do@">
*   <property value="116,200,200,284" name="elbowsX"/>
*   <property value="252,252,172,172" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="0.0.0" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#0.0.0.0#content/IA1.jsp#@action:treeState.do@">
*   <property value="116,270,270,424" name="elbowsX"/>
*   <property value="252,252,172,172" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="0.0.0.0" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#0.0.0.1#content/IA2.jsp#@action:treeState.do@">
*   <property value="116,320,320,524" name="elbowsX"/>
*   <property value="252,252,172,172" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="0.0.0.1" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#0.0.1#content/IB.jsp#@action:treeState.do@">
*   <property value="116,270,270,424" name="elbowsX"/>
*   <property value="252,252,232,232" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="0.0.1" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#0.0.1.0#content/IB1.jsp#@action:treeState.do@">
```


navtagSamples.html Sample

```
* <property value="116,200,200,284" name="elbowsX" />
* <property value="252,252,232,232" name="elbowsY" />
* <property value="East_1" name="fromPort" />
* <property value="West_1" name="toPort" />
* <property value="0.0.1.0" name="label" />
* </pageflow-object>
* <pageflow-object id="forward:path#0.0.1.1#content/IB2.jsp#@action:treeState.do@">
* <property value="116,320,320,524" name="elbowsX" />
* <property value="252,252,232,232" name="elbowsY" />
* <property value="East_1" name="fromPort" />
* <property value="West_1" name="toPort" />
* <property value="0.0.1.1" name="label" />
* </pageflow-object>
* <pageflow-object id="forward:path#0.0.2#content/IC.jsp#@action:treeState.do@">
* <property value="116,200,200,284" name="elbowsX" />
* <property value="252,252,292,292" name="elbowsY" />
* <property value="East_1" name="fromPort" />
* <property value="West_1" name="toPort" />
* <property value="0.0.2" name="label" />
* </pageflow-object>
* <pageflow-object id="forward:path#0.0.2.0#content/IC1.jsp#@action:treeState.do@">
* <property value="116,270,270,424" name="elbowsX" />
* <property value="252,252,292,292" name="elbowsY" />
* <property value="East_1" name="fromPort" />
* <property value="West_1" name="toPort" />
* <property value="0.0.2.0" name="label" />
* </pageflow-object>
* <pageflow-object id="forward:path#0.0.2.1#content/IC2.jsp#@action:treeState.do@">
* <property value="116,320,320,524" name="elbowsX" />
* <property value="252,252,292,292" name="elbowsY" />
* <property value="East_1" name="fromPort" />
* <property value="West_1" name="toPort" />
* <property value="0.0.2.1" name="label" />
* </pageflow-object>
* <pageflow-object id="forward:path#0.1#content/II.jsp#@action:treeState.do@">
* <property value="116,200,200,284" name="elbowsX" />
* <property value="252,252,352,352" name="elbowsY" />
* <property value="East_1" name="fromPort" />
* <property value="West_1" name="toPort" />
* <property value="0.1" name="label" />
* </pageflow-object>
* <pageflow-object id="forward:path#0.1.0#content/IIA.jsp#@action:treeState.do@">
* <property value="116,200,200,284" name="elbowsX" />
* <property value="252,252,412,412" name="elbowsY" />
* <property value="East_1" name="fromPort" />
* <property value="West_1" name="toPort" />
* <property value="0.1.0" name="label" />
* </pageflow-object>
* <pageflow-object id="forward:path#0.1.0.0#content/IIA1.jsp#@action:treeState.do@">
* <property value="116,270,270,424" name="elbowsX" />
* <property value="252,252,412,412" name="elbowsY" />
* <property value="East_1" name="fromPort" />
* <property value="West_1" name="toPort" />
* <property value="0.1.0.0" name="label" />
* </pageflow-object>
* <pageflow-object id="forward:path#0.1.0.1#content/IIA2.jsp#@action:treeState.do@">
* <property value="116,320,320,524" name="elbowsX" />
* <property value="252,252,412,412" name="elbowsY" />
* <property value="East_1" name="fromPort" />
* <property value="West_1" name="toPort" />
* <property value="0.1.0.1" name="label" />
```


navtagSamples.html Sample

```

* </pageflow-object>
* <pageflow-object id="forward:path#0.1.1#content/IIB.jsp#@action:treeState.do@">
*   <property value="116,200,200,284" name="elbowsX"/>
*   <property value="263,263,492,492" name="elbowsY"/>
*   <property value="East_2" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="0.1.1" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#0.1.1.0#content/IIB1.jsp#@action:treeState.do@">
*   <property value="116,270,270,424" name="elbowsX"/>
*   <property value="263,263,492,492" name="elbowsY"/>
*   <property value="East_2" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="0.1.1.0" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#0.1.1.1#content/IIB2.jsp#@action:treeState.do@">
*   <property value="116,320,320,524" name="elbowsX"/>
*   <property value="263,263,492,492" name="elbowsY"/>
*   <property value="East_2" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="0.1.1.1" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#0.1.2#content/IIC.jsp#@action:treeState.do@">
*   <property value="116,200,200,284" name="elbowsX"/>
*   <property value="263,263,572,572" name="elbowsY"/>
*   <property value="East_2" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="0.1.2" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#0.1.2.0#content/IIC1.jsp#@action:treeState.do@">
*   <property value="116,270,270,424" name="elbowsX"/>
*   <property value="263,263,572,572" name="elbowsY"/>
*   <property value="East_2" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="0.1.2.0" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#0.1.2.1#content/IIC2.jsp#@action:treeState.do@">
*   <property value="116,320,320,524" name="elbowsX"/>
*   <property value="263,263,572,572" name="elbowsY"/>
*   <property value="East_2" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="0.1.2.1" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#tree#tree.jsp#@action:treeState.do@">
*   <property value="69,69,64,64" name="elbowsX"/>
*   <property value="304,464,464,641" name="elbowsY"/>
*   <property value="South_0" name="fromPort"/>
*   <property value="West_0" name="toPort"/>
*   <property value="tree" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#begin#frameSet.jsp#@action:begin.do@">
*   <property value="80,80,80,80" name="elbowsX"/>
*   <property value="104,120,120,136" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="begin" name="label"/>
* </pageflow-object>
* </view-properties>
* ::
*/
public class treeController extends PageFlowController

```



```

{
    /**
     * @jpf:action
     * @jpf:forward name="0" path="content/RootFolder.jsp"
     * @jpf:forward name="0.0" path="content/I.jsp"
     * @jpf:forward name="0.0.0" path="content/IA.jsp"
     * @jpf:forward name="0.0.0.0" path="content/IA1.jsp"
     * @jpf:forward name="0.0.0.1" path="content/IA2.jsp"
     * @jpf:forward name="0.0.1" path="content/IB.jsp"
     * @jpf:forward name="0.0.1.0" path="content/IB1.jsp"
     * @jpf:forward name="0.0.1.1" path="content/IB2.jsp"
     * @jpf:forward name="0.0.2" path="content/IC.jsp"
     * @jpf:forward name="0.0.2.0" path="content/IC1.jsp"
     * @jpf:forward name="0.0.2.1" path="content/IC2.jsp"
     * @jpf:forward name="0.1" path="content/II.jsp"
     * @jpf:forward name="0.1.0" path="content/IIA.jsp"
     * @jpf:forward name="0.1.0.0" path="content/IIA1.jsp"
     * @jpf:forward name="0.1.0.1" path="content/IIA2.jsp"
     * @jpf:forward name="0.1.1" path="content/IIB.jsp"
     * @jpf:forward name="0.1.1.0" path="content/IIB1.jsp"
     * @jpf:forward name="0.1.1.1" path="content/IIB2.jsp"
     * @jpf:forward name="0.1.2" path="content/IIC.jsp"
     * @jpf:forward name="0.1.2.0" path="content/IIC1.jsp"
     * @jpf:forward name="0.1.2.1" path="content/IIC2.jsp"
     * @jpf:forward name="tree" path="tree.jsp"
     */
    public Forward treeState()
    {
        /**
         * The tree info is stored as an attribute of the session object.
         * The <netui:tree> tag on tree.jsp databinds to this attribute.
         * the tree info is stored as the tree's root node (which contains
         * information about each of the child nodes).
         */
        HttpSession session = getRequest().getSession();
        TreeNode rootNode = (TreeNode) session.getAttribute("tree");

        String nodeSel = null;
        String nodeExpanded = null;

        /**
         * Handles expansion / collapse of a tree node.
         *
         * Get the String name of the content node or the expandable/collapsible node
         * selected by the user.
         */
        nodeSel = getRequest().getParameter(TreeNode.SELECTED_NODE);
        nodeExpanded = getRequest().getParameter(TreeNode.EXPAND_NODE);

        /**
         * If the user selected an expandable/collapsible node...
         */
        if (nodeExpanded != null)
        {
            /**
             * ...then get the TreeNode object based on the node's String name...
             */
            TreeNode node = rootNode.findNode(nodeExpanded);
            if (node != null)
            {
                /**

```


navtagSamples.html Sample

```
        * ...and reverse the expand/collapse state of the node.
        * (I.e. if the node was previously collapsed, then expand it;
        * if it was previously expanded, then collapse it.)
        */
        node.setExpanded(!node.isExpanded());

    }
    /*
    * When a node is selected for expansion/collapse, display changes only in the
    * navigation frame.
    */
    return new Forward("tree");
}

return new Forward(nodeSel);
}

/**
 * @jpf:action
 * @jpf:forward name="begin" path="frameSet.jsp"
 */
public Forward begin()
{
    return new Forward("begin");
}
}
```


treeImages Samples

This section contains source code for the following samples.

Samples Included in This Section

tree_dynamic Samples

This section contains source code for the following samples.

Samples Included in This Section

content Samples

FrameSet.jsp Sample

Toc.xml Sample

Tree.jsp Sample

TreeController.jspf Sample

treeImages Samples

content Samples

This section contains source code for the following samples.

Samples Included in This Section

A.jsp Sample

Aa.jsp Sample

B.jsp Sample

Bb.jsp Sample

C.jsp Sample

Cc.jsp Sample

D.jsp Sample

DynamicTreeSample.jsp Sample

E.jsp Sample

F.jsp Sample

G.jsp Sample

H.jsp Sample

I.jsp Sample

J.jsp Sample

K.jsp Sample

L.jsp Sample

M.jsp Sample

N.jsp Sample

O.jsp Sample

P.jsp Sample

Q.jsp Sample

R.jsp Sample

S.jsp Sample

T.jsp Sample

U.jsp Sample

V.jsp Sample

W.jsp Sample

X.jsp Sample

Y.jsp Sample

Z.jsp Sample

A.jsp Sample

This topic includes the source code for the A.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      Web Application Page
    </title>
  </head>
  <body>
    <p>a</p>
  </body>
</netui:html>
```


Aa.jsp Sample

This topic includes the source code for the Aa.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IA1.jsp
    </title>
  </head>
  <body>
    <p>aa</p>
  </body>
</netui:html>
```


B.jsp Sample

This topic includes the source code for the B.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      I.jsp
    </title>
  </head>
  <body>b</body>
</netui:html>
```


Bb.jsp Sample

This topic includes the source code for the Bb.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IA2.jsp
    </title>
  </head>
  <body>
    <p>bb</p>
  </body>
</netui:html>
```


C.jsp Sample

This topic includes the source code for the C.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IA.jsp
    </title>
  </head>
  <body>
    <p>c</p>
  </body>
</netui:html>
```


Cc.jsp Sample

This topic includes the source code for the Cc.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IB.jsp
    </title>
  </head>
  <body>
    <p>cc</p>
  </body>
</netui:html>
```


D.jsp Sample

This topic includes the source code for the D.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IA1.jsp
    </title>
  </head>
  <body>
    <p>d</p>
  </body>
</netui:html>
```


DynamicTreeSample.jsp Sample

This topic includes the source code for the DynamicTreeSample.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      dynamicTreeSample.jsp
    </title>
  </head>
  <body>
    <h3>Dynamic Tree Sample</h3>
  </body>
</netui:html>
```


E.jsp Sample

This topic includes the source code for the E.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IA2.jsp
    </title>
  </head>
  <body>
    <p>e</p>
  </body>
</netui:html>
```


F.jsp Sample

This topic includes the source code for the F.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IB.jsp
    </title>
  </head>
  <body>
    <p>f</p>
  </body>
</netui:html>
```


G.jsp Sample

This topic includes the source code for the G.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IB1.jsp
    </title>
  </head>
  <body>
    <p>g</p>
  </body>
</netui:html>
```


H.jsp Sample

This topic includes the source code for the H.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IB2.jsp
    </title>
  </head>
  <body>
    <p>h</p>
  </body>
</netui:html>
```


I.jsp Sample

This topic includes the source code for the I.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      Web Application Page
    </title>
  </head>
  <body>
    <p>i</p>
  </body>
</netui:html>
```


J.jsp Sample

This topic includes the source code for the J.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IC.jsp
    </title>
  </head>
  <body>
    <p>j</p>
  </body>
</netui:html>
```


K.jsp Sample

This topic includes the source code for the K.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IC1.jsp
    </title>
  </head>
  <body>
    <p>k</p>
  </body>
</netui:html>
```


L.jsp Sample

This topic includes the source code for the L.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IC2.jsp
    </title>
  </head>
  <body>
    <p>l</p>
  </body>
</netui:html>
```


M.jsp Sample

This topic includes the source code for the M.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      II.jsp
    </title>
  </head>
  <body>
    <p>m</p>
  </body>
</netui:html>
```


N.jsp Sample

This topic includes the source code for the N.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IIA.jsp
    </title>
  </head>
  <body>
    <p>n</p>
  </body>
</netui:html>
```


O.jsp Sample

This topic includes the source code for the O.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IIA1.jsp
    </title>
  </head>
  <body>
    <p>o</p>
  </body>
</netui:html>
```


P.jsp Sample

This topic includes the source code for the P.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IIA2.jsp
    </title>
  </head>
  <body>
    <p>p</p>
  </body>
</netui:html>
```


Q.jsp Sample

This topic includes the source code for the Q.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IIB.jsp
    </title>
  </head>
  <body>
    <p>q</p>
  </body>
</netui:html>
```


R.jsp Sample

This topic includes the source code for the R.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IIB1.jsp
    </title>
  </head>
  <body>
    <p>r</p>
  </body>
</netui:html>
```


S.jsp Sample

This topic includes the source code for the S.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IIB2.jsp
    </title>
  </head>
  <body>
    <p>s</p>
  </body>
</netui:html>
```


T.jsp Sample

This topic includes the source code for the T.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IIC.jsp
    </title>
  </head>
  <body>
    <p>t</p>
  </body>
</netui:html>
```


U.jsp Sample

This topic includes the source code for the U.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IIC1.jsp
    </title>
  </head>
  <body>
    <p>u</p>
  </body>
</netui:html>
```


V.jsp Sample

This topic includes the source code for the V.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IIC2.jsp
    </title>
  </head>
  <body>
    <p>v</p>
  </body>
</netui:html>
```


W.jsp Sample

This topic includes the source code for the W.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IC.jsp
    </title>
  </head>
  <body>
    <p>w</p>
  </body>
</netui:html>
```


X.jsp Sample

This topic includes the source code for the X.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      Web Application Page
    </title>
  </head>
  <body>
    <p>x</p>
  </body>
</netui:html>
```


Y.jsp Sample

This topic includes the source code for the Y.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
    <head>
        <title>
            I.jsp
        </title>
    </head>
    <body>y</body>
</netui:html>
```


Z.jsp Sample

This topic includes the source code for the Z.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/content/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      IA.jsp
    </title>
  </head>
  <body>
    <p>z</p>
  </body>
</netui:html>
```


FrameSet.jsp Sample

This topic includes the source code for the FrameSet.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      Frame Set
    </title>
    <netui:base target="/tree_dynamic/" />
  </head>
  <frameset cols="20%,*">
    <frame src="tree.jsp" name="navFrame" id="navFrame">
    <frame src="content/dynamicTreeSample.jsp" name="contentFrame" id="contentFrame">
  </frameset>
</netui:html>
```


Toc.xml Sample

This topic includes the source code for the Toc.xml Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/

Sample Source Code

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<toc-node label="Dynamic Tree Sample" url="dynamicTreeSample.jsp">
  <toc-node label="a" url="a.jsp">
    <toc-node label="b" url="b.jsp">
      <toc-node label="c" url="c.jsp"/>
      <toc-node label="d" url="d.jsp"/>
      <toc-node label="e" url="e.jsp"/>
      <toc-node label="f" url="f.jsp"/>
      <toc-node label="g" url="g.jsp">
        <toc-node label="h" url="h.jsp"/>
        <toc-node label="i" url="i.jsp"/>
      </toc-node>
    </toc-node>
    <toc-node label="j" url="j.jsp">
      <toc-node label="k" url="k.jsp"/>
    </toc-node>
    <toc-node label="l" url="l.jsp"/>
  <toc-node label="m" url="m.jsp">
    <toc-node label="n" url="n.jsp"/>
    <toc-node label="o" url="o.jsp"/>
  </toc-node>
  <toc-node label="p" url="p.jsp">
    <toc-node label="q" url="q.jsp"/>
    <toc-node label="r" url="r.jsp"/>
    <toc-node label="s" url="s.jsp"/>
    <toc-node label="t" url="t.jsp"/>
    <toc-node label="u" url="u.jsp"/>
    <toc-node label="v" url="v.jsp">
      <toc-node label="w" url="w.jsp"/>
      <toc-node label="x" url="x.jsp">
        <toc-node label="y" url="y.jsp"/>
        <toc-node label="z" url="z.jsp"/>
      </toc-node>
    </toc-node>
    <toc-node label="aa" url="aa.jsp">
      <toc-node label="bb" url="bb.jsp"/>
      <toc-node label="cc" url="cc.jsp"/>
    </toc-node>
  </toc-node>
</toc-node>
<toc-node label="a" url="aa.jsp">
  <toc-node label="b" url="aa.jsp">
    <toc-node label="c" url="aa.jsp">
      <toc-node label="d" url="aa.jsp">
        <toc-node label="b" url="b.jsp"/>
      </toc-node>
    </toc-node>
  </toc-node>
</toc-node>
```


navtagSamples.html Sample

```
        <toc-node label="b" url="b.jsp"/>
        <toc-node label="b" url="b.jsp"/>
    </toc-node>
    <toc-node label="aa" url="aa.jsp">
        <toc-node label="m" url="c.jsp"/>
        <toc-node label="m" url="c.jsp"/>
        <toc-node label="m" url="c.jsp"/>
    </toc-node>
    <toc-node label="aa" url="aa.jsp">
        <toc-node label="n" url="n.jsp"/>
        <toc-node label="n" url="n.jsp"/>
        <toc-node label="n" url="n.jsp"/>
    </toc-node>
</toc-node>
</toc-node>
</toc-node>
</toc-node>
```


Tree.jsp Sample

This topic includes the source code for the Tree.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/

Sample Source Code

```
<%@ taglib uri="netui-tags-html.tld" prefix="netui" %>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<html>
<head>
<title>Tree Tag</title>
<!--netui:base /-->
</head>
<body bgcolor="#ccffcc">
    <netui:tree tree="{pageFlow._rootNode}" action="treeState" imageRoot="treeImages"/>
<hr />
<netui:anchor target="_top" href="/WebApp/tagSamples/tagSamplesController.jspf" style="font-size: 1.2em;" />
</body>
</html>
```


TreeController.jpf Sample

This topic includes the source code for the TreeController.jpf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui/tree_dynamic/

Sample Source Code

```
package tagSamples.netui.tree_dynamic;

import com.bea.wlw.netui.pageflow.PageFlowController;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.FormData;

import com.bea.wlw.netui.tags.html.TreeNode;
import com.bea.xml.XmlObject;
import java.io.File;
import javax.xml.parsers.*;

/**
 * This sample demonstrates how to build a navigation tree dynamically from an arbitrary XML document.
 *
 * Any XML document can be consumed by this controller and displayed as a set of links,
 * arranged as an expandable/collapsible tree of nodes.
 *
 * The XML document is parsed (by the makeTree() method below) and from
 * the parsed data a set of TreeNodes is constructed (by calling the TreeNode API).
 * TreeNodes are the server-side representations of <netui:node> tags.
 * The TreeNodes are displayed by data binding the TreeNodes to a <netui:tree> tag (on tree.jsp).
 *
 * Any attributes in the XML document can be parsed for href and label content.
 * If an element cannot be parsed for url and label content, then
 * a dummy TreeNode is created for that element.
 *
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui/tree_dynamic/treeController.jpf"/>
 * <pageflow-object id="action:treeState.do">
 *   <property value="80" name="x"/>
 *   <property value="160" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="60" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:tree.jsp#@action:treeState.do@">
 *   <property value="204,160,160,116" name="elbowsX"/>
 *   <property value="152,152,141,141" name="elbowsY"/>
 *   <property value="West_1" name="fromPort"/>
 *   <property value="East_0" name="toPort"/>
 * </pageflow-object>
```


navtagSamples.html Sample

```

* <pageflow-object id="page:tree.jsp">
*   <property value="240" name="x"/>
*   <property value="160" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:frameSet.jsp">
*   <property value="240" name="x"/>
*   <property value="60" name="y"/>
* </pageflow-object>
* <pageflow-object id="forward:path#tree#tree.jsp#@action:treeState.do@">
*   <property value="116,160,160,204" name="elbowsX"/>
*   <property value="152,152,141,141" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_0" name="toPort"/>
*   <property value="tree" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#begin#frameSet.jsp#@action:begin.do@">
*   <property value="116,160,160,204" name="elbowsX"/>
*   <property value="52,52,52,52" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="begin" name="label"/>
* </pageflow-object>
* </view-properties>
* ::
*/
public class treeController extends PageFlowController
{
    /**
     * This TreeNode object is the top-level parent node of the tree.
     * The makeTree() method constructs and adds children TreeNodes to this top level node.
     *
     * The tree is displayed by data binding the top-level node (along with its
     * children branch nodes) to a <netui:tree> tag (on tree.jsp).
     */
    public TreeNode _rootNode = null;

    public void onCreate() throws Exception
    {
        //System.out.println(getClass().getResource("/content/toc1.xml").getFile());

        //String beaHomePath = weblogic.Home.getFile().getParentFile().toString() + "/samples/w
        String beaHomePath = weblogic.Home.getPath().replaceAll("/server", "/samples/workshop/S
        System.out.println(beaHomePath);

        _rootNode = this.makeTree(
            "http://localhost:7001/WebApp/tagSamples/netui/tree_dynamic/content/",
            beaHomePath + "tagSamples/netui/tree_dynamic/toc.xml",
            "url",
            "label",
            true);
    }

    /**
     * Parses an XML docuemnt and creates a set of links, arranging them as an expandable and c
     * with the same shape as the XML document.
     *
     * The labelAttribute and hrefAttribute parameters specify the attributes in the XML docume
     * hold the label and href content.
     *
     * The links are constructed from TreeNode objects, the server-side representations of <net
     * The method returns a single TreeNode containing the remaining TreeNode as children.
    
```


navtagSamples.html Sample

```

*
* @param String rootHref The url fragment to prepend to each links' href attribute.
* @param String tocFile Location of the toc.xml file. A link will be made for each
* element in the file.
* @param String hrefAttribute The name of the attribute where the href content can be found.
* @param String labelAttribute The name of the attribute where the label content can be found.
* @param boolean nodesInit Whether the nodes should be initially open or closed.
*
* @return TreeNode The top-level node containing all the child, branch nodes.
*/
public TreeNode makeTree(String rootHref, String tocFile, String hrefAttribute, String labelAttribute)
    throws Exception
{
    // Get the toc.xml file
    File fl = new File(tocFile);
    // Parse it as an org.w3c.doc.Document
    DocumentBuilderFactory factory = DocumentBuilderFactory.newInstance();
    factory.setNamespaceAware(true);
    DocumentBuilder parser = factory.newDocumentBuilder();
    org.w3c.dom.Document document = parser.parse(fl);
    // Get the list of Nodes.
    org.w3c.dom.NodeList nodeList = document.getElementsByTagName("*");

    // Make an Array of TreeNode, each TreeNode has the label and url of the nodes in toc.xml.
    // No parent information is added to the TreeNodes yet.
    int length = nodeList.getLength();
    TreeNode[] treeNodeArr = new TreeNode[length];
    for(int i = 0; i<length; i++)
    {
        // Try to make a TreeNode based on the org.w3c.dom.Node.
        // If the node does not have both "label" and "url" attributes...
        try
        {
            treeNodeArr[i] = new TreeNode(
                null,
                nodeList.item(i).getAttributes().getNamedItem(labelAttribute).getNodeValue(),
                null,
                rootHref
                    + nodeList.item(i).getAttributes().getNamedItem(hrefAttribute).getNodeValue(),
                "contentFrame",
                nodesInit);
        }
        catch(Exception e)
        {
            // ...make a dummy TreeNode
            treeNodeArr[i] = new TreeNode(
                null,
                "[-label-]",
                null,
                "[-href-]",
                "contentFrame",
                nodesInit);
            System.out.println("<Warning> Could not parse " + labelAttribute + " and " + hrefAttribute
                + " attributes in node: <" + nodeList.item(i).getNodeName() + ">, #" + i);
        }
    }

    // Make a parent mapping: parentMap[child_i] = parent_k.
    int[] parentMap = new int[length];
    // for each Node...
    for(int i = 0; i<length; i++)

```


navtagSamples.html Sample

```

{
    // ... find its parent (loop goes from 0 - i for the sake of efficiency, no parent
    org.w3c.dom.Node parentNode = nodeList.item(i).getParentNode();
    for(int k = 0; k<i; k++)
    {
        if(parentNode == nodeList.item(k))
        {
            parentMap[i] = k;
        }
    }
}

// Assign parentage to the Array of TreeNodes.
// The top-level TreeNode is made the rootNode.
TreeNode rootNode = treeNodeArr[0];
// Apply parent map to the TreeNode Array
for(int i=1; i<length; i++)
{
    if(treeNodeArr[parentMap[i]] != null)
    {
        treeNodeArr[parentMap[i]].addChild(treeNodeArr[i]);
    }
}

return rootNode;
}

/**
 * Handles the state of the tree when a a link is clicked.
 *
 * @jpf:action
 * @jpf:forward name="tree" path="tree.jsp"
 */
public Forward treeState()
{
    String nodeSel = null;
    String nodeExpanded = null;

    /*
     * Handles expansion / collapse of a tree node.
     *
     * Get the String name of the content node or the expandable/collapsible node
     * selected by the user.
     */
    nodeSel = getRequest().getParameter(TreeNode.SELECTED_NODE);
    nodeExpanded = getRequest().getParameter(TreeNode.EXPAND_NODE);

    /*
     * If the user selected an expandable/collapsible node...
     */
    if (nodeExpanded != null)
    {
        /*
         * ...then get the TreeNode object based on the node's String name...
         */
        TreeNode node = _rootNode.findNode(nodeExpanded);
        if (node != null)
        {
            /*
             * ...and reverse the expand/collapse state of the node.
             * (I.e. if the node was previously collapsed, then expand it;

```


navtagSamples.html Sample

```
        * if it was previously expanded, then collapse it.)
        */
        node.setExpanded(!node.isExpanded());

    }
    /*
    * When a node is selected for expansion/collapse, display changes only in the
    * navigation frame.
    */
    return new Forward("tree");
}

return new Forward(nodeSel);
}

/**
 * @jpf:action
 * @jpf:forward name="begin" path="frameSet.jsp"
 */
public Forward begin()
{
    return new Forward("begin");
}

}
```


treeImages Samples

This section contains source code for the following samples.

Samples Included in This Section

netui_databinding Samples

This section contains source code for the following samples.

Samples Included in This Section

callControl Samples

callMethod Samples

callPageFlow Samples

cellRepeater Samples

choice Samples

declarePageInput Samples

getData Samples

grid Samples

message Samples

pad Samples

repeater Samples

callControl Samples

This section contains source code for the following samples.

Samples Included in This Section

CallControl.jsp Sample

HelloWorld.jws Sample

HelloWorldControl.jcx Sample

CallControl.jsp Sample

This topic includes the source code for the CallControl.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/callControl/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui-data:declareControl type="tagSamples.netui_databinding.callControl.HelloWorldControl" co
<netui:html>
    <head>
        <title>
            calControl.jsp
        </title>
    </head>
    <body>
        <jsp:include page="/resources/jsp/header.jsp"/>
        <h3>CallControl Tag Sample</h3>
        <blockquote>
            <p>The following message was returned from a method on a Web Service.
            <p>The method was called through a Web Service Control.
            <p><netui-data:callControl controlId="helloWorldControl" method="hello" resultId="hello
            <%=pageContext.getAttribute("helloMessage")%>

            <p style="font-size:10pt;"><b>Note:</b> reliance on the netui-data:callControl tag is m
            The data binding capabilities of Page Flows are advanced to the point that users should
            the netui-data:callControl tag. Instead users are encouraged to call controls from wit
            and use data binding expressions such as {pageFlow...}, {actionForm...} to move data be

        <hr>
        <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples<
    </body>
</netui:html>
```


HelloWorld.jws Sample

This topic includes the source code for the HelloWorld.jws Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/callControl/

Sample Source Code

```
package tagSamples.netui_databinding.callControl;

public class HelloWorld implements com.bea.jws.WebService
{
    static final long serialVersionUID = 1L;

    /**
     * @common:operation
     */
    public String hello()
    {
        return "Hello, World!";
    }
}
```


HelloWorldControl.jcx Sample

This topic includes the source code for the HelloWorldControl.jcx Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/callControl/

Sample Source Code

```
package tagSamples.netui_databinding.callControl;

/**
 * @jc:location http-url="HelloWorld.jws" jms-url="HelloWorld.jws"
 * @jc:wSDL file="#HelloWorldWSDL"
 * @editor-info:link autogen-style="java" source="HelloWorld.jws" autogen="true"
 */
public interface HelloWorldControl extends com.bea.control.ControlExtension, com.bea.control.Se
{

    public java.lang.String hello ();

    static final long serialVersionUID = 1L;

}

/** @common:define name="HelloWorldWSDL" value::
<?xml version="1.0" encoding="utf-8"?>
<definitions xmlns="http://schemas.xmlsoap.org/wsdl/" xmlns:conv="http://www.openuri.org/20
    <types>
        <s:schema elementFormDefault="qualified" targetNamespace="http://www.openuri.org/" xmlns
            <s:element name="hello">
                <s:complexType>
                    <s:sequence/>
                </s:complexType>
            </s:element>
            <s:element name="helloResponse">
                <s:complexType>
                    <s:sequence>
                        <s:element name="helloResult" type="s:string" minOccurs="0"/>
                    </s:sequence>
                </s:complexType>
            </s:element>
            <s:element name="string" nillable="true" type="s:string"/>
        </s:schema>
    </types>
    <message name="helloSoapIn">
        <part name="parameters" element="s0:hello"/>
    </message>
    <message name="helloSoapOut">
        <part name="parameters" element="s0:helloResponse"/>
    </message>
    <message name="helloHttpGetIn"/>
    <message name="helloHttpGetOut">
        <part name="Body" element="s0:string"/>
    </message>
</definitions>
```


navtagSamples.html Sample

```
</message>
<message name="helloHttpPostIn"/>
<message name="helloHttpPostOut">
  <part name="Body" element="s0:string"/>
</message>
<portType name="HelloWorldSoap">
  <operation name="hello">
    <input message="s0:helloSoapIn"/>
    <output message="s0:helloSoapOut"/>
  </operation>
</portType>
<portType name="HelloWorldHttpGet">
  <operation name="hello">
    <input message="s0:helloHttpGetIn"/>
    <output message="s0:helloHttpGetOut"/>
  </operation>
</portType>
<portType name="HelloWorldHttpPost">
  <operation name="hello">
    <input message="s0:helloHttpPostIn"/>
    <output message="s0:helloHttpPostOut"/>
  </operation>
</portType>
<binding name="HelloWorldSoap" type="s0:HelloWorldSoap">
  <soap:binding transport="http://schemas.xmlsoap.org/soap/http" style="document"/>
  <operation name="hello">
    <soap:operation soapAction="http://www.openuri.org/hello" style="document"/>
    <input>
      <soap:body use="literal"/>
    </input>
    <output>
      <soap:body use="literal"/>
    </output>
  </operation>
</binding>
<binding name="HelloWorldHttpGet" type="s0:HelloWorldHttpGet">
  <http:binding verb="GET"/>
  <operation name="hello">
    <http:operation location="/hello"/>
    <input>
      <http:urlEncoded/>
    </input>
    <output>
      <mime:mimeType part="Body"/>
    </output>
  </operation>
</binding>
<binding name="HelloWorldHttpPost" type="s0:HelloWorldHttpPost">
  <http:binding verb="POST"/>
  <operation name="hello">
    <http:operation location="/hello"/>
    <input>
      <mime:content type="application/x-www-form-urlencoded"/>
    </input>
    <output>
      <mime:mimeType part="Body"/>
    </output>
  </operation>
</binding>
<service name="HelloWorld">
  <port name="HelloWorldSoap" binding="s0:HelloWorldSoap">
```


navtagSamples.html Sample

```
    <soap:address location="http://localhost:7001/tagSamples/netui_databinding/callControl">
  </port>
  <port name="HelloWorldHttpGet" binding="s0:HelloWorldHttpGet">
    <http:address location="http://localhost:7001/tagSamples/netui_databinding/callControl">
  </port>
  <port name="HelloWorldHttpPost" binding="s0:HelloWorldHttpPost">
    <http:address location="http://localhost:7001/tagSamples/netui_databinding/callControl">
  </port>
</service>
</definitions>
* ::
*/
```


callMethod Samples

This section contains source code for the following samples.

Samples Included in This Section

CallMethodController.jspf Sample

Index.jsp Sample

CallMethodController.jspf Sample

This topic includes the source code for the CallMethodController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/callMethod/

Sample Source Code

```
package tagSamples.netui_databinding.callMethod;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui_databinding/callMethod/CallMethodController."
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="240" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
 *   <property value="116,160,160,204" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 *   <property value="success" name="label"/>
 * </pageflow-object>
 * </view-properties>
 * ::
 */
public class CallMethodController extends PageFlowController
{
    /**
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin()
    {
        return new Forward("success");
    }

    public String hello()
    {
        return "Hello, World!";
    }
}
```


Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/callMethod/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      index.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <h3>CallMethod Tag Sample</h3>
    <blockquote>
      <p>The following message was returned by a method on the Controller file: CallMethodCon
      <p><netui-data:callMethod object="{pageFlow}" method="hello" resultId="helloMessage"></
      <%= pageContext.getAttribute("helloMessage") %>

      <p style="font-size:10pt;"><b>Note:</b> reliance on the netui-data:callMethod tag is no
      The data binding capabilities of Page Flows are advanced to the point that users should
      the netui-data:callMethod tag. Instead users are encouraged to call Java classes from
      the Controller file and then use data binding expressions such as
      {pageFlow...}, {actionForm...} to move data between your JSP pages and the Controller f

    </blockquote>
    <hr>
    <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples<
  </body>
</netui:html>
```


callPageFlow Samples

This section contains source code for the following samples.

Samples Included in This Section

CallPageFlowController.jspf Sample

Index.jsp Sample

Simple.jsp Sample

Sum.jsp Sample

CallPageFlowController.jspf Sample

This topic includes the source code for the CallPageFlowController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/callPageFlow/

Sample Source Code

```
/*
 * The JSP pages in this sample use the <netui-data:callPageFlow> tag
 * to invoke methods defined in this page flow file.
 */
package tagSamples.netui_databinding.callPageFlow;

// java imports
import java.io.Serializable;

import java.util.ArrayList;
import java.util.List;

// internal imports
import com.bea.wlw.netui.pageflow.PageFlowController;
import com.bea.wlw.netui.pageflow.Forward;

// external imports

/**
 *
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui_databinding/callPageFlow/callPageFlowControl
 * <pageflow-object id="action:Sum.do">
 *   <property value="220" name="x"/>
 *   <property value="60" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:Simple.do">
 *   <property value="340" name="x"/>
 *   <property value="60" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:begin.do">
 *   <property value="100" name="x"/>
 *   <property value="60" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:sum.jsp#@@action:begin.do@">
 *   <property value="184,160,160,136" name="elbowsX"/>
 *   <property value="212,212,52,52" name="elbowsY"/>
 *   <property value="West_1" name="fromPort"/>
 *   <property value="East_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="page:sum.jsp">
 *   <property value="220" name="x"/>
 *   <property value="220" name="y"/>

```


navtagSamples.html Sample

```

* </pageflow-object>
* <pageflow-object id="action-call:@page:simple.jsp#@action:begin.do@">
*   <property value="304,220,220,136" name="elbowsX"/>
*   <property value="212,212,63,63" name="elbowsY"/>
*   <property value="West_1" name="fromPort"/>
*   <property value="East_2" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="page:simple.jsp">
*   <property value="340" name="x"/>
*   <property value="220" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:index.jsp">
*   <property value="100" name="x"/>
*   <property value="220" name="y"/>
* </pageflow-object>
* <pageflow-object id="forward:path#Sum#sum.jsp#@action:Sum.do@">
*   <property value="104,140,140,176" name="elbowsY"/>
*   <property value="North_1" name="toPort"/>
*   <property value="220,220,220,220" name="elbowsX"/>
*   <property value="Sum" name="label"/>
*   <property value="South_1" name="fromPort"/>
* </pageflow-object>
* <pageflow-object id="forward:path#Simple#simple.jsp#@action:Simple.do@">
*   <property value="104,140,140,176" name="elbowsY"/>
*   <property value="North_1" name="toPort"/>
*   <property value="340,340,340,340" name="elbowsX"/>
*   <property value="Simple" name="label"/>
*   <property value="South_1" name="fromPort"/>
* </pageflow-object>
* <pageflow-object id="forward:path#index#index.jsp#@action:begin.do@">
*   <property value="104,140,140,176" name="elbowsY"/>
*   <property value="100,100,100,100" name="elbowsX"/>
*   <property value="North_1" name="toPort"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="index" name="label"/>
* </pageflow-object>
* </view-properties>
* ::
*
*/
public class callPageFlowController extends PageFlowController
{
    private String defaultText = "Hello World!";

    private Cart cart = null;

    public String getDefaultText()
    {
        return defaultText;
    }

    public String echo(String echo)
    {
        return echo;
    }

    public Cart getCart()
    {
        return cart;
    }
}

```


navtagSamples.html Sample

```
public Double sumCartItems(List items)
{
    if(items == null) return new Double(0);

    double sum = 0.0;
    for(int i = 0; i < items.size(); i++)
    {
        LineItem item = (LineItem)items.get(i);
//        sum += item.getQuantity() * item.getPrice();
        sum += item.getTotal();
    }

    return new Double(sum);
}

public String getShippingState(int shipState)
{
    if(shipState == LineItem.IN_TRANSIT)
        return "inTransit";
    else if(shipState == LineItem.NOT_SHIPPED)
        return "notShipped";
    else if(shipState == LineItem.ARRIVED)
        return "arrived";
    else return "unknown";
}

/**
 * @jpf:action
 * @jpf:forward name="Sum" path="sum.jsp"
 */
public Forward Sum()
{
    if(cart == null)
        cart = initCart();

    return new Forward("Sum");
}

/**
 * @jpf:action
 * @jpf:forward name="Simple" path="simple.jsp"
 */
public Forward Simple()
{
    return new Forward("Simple");
}

/**
 * @jpf:action
 * @jpf:forward name="index" path="index.jsp"
 */
public Forward begin()
{
    cart = initCart();
    return new Forward("index");
}

private Cart initCart()
{
    Cart c = new Cart();
    c.addItem(new LineItem("Product A", 3, 9.95, 1));
}
```


navtagSamples.html Sample

```
c.addItem(new LineItem("Product C", 2, 19.95, 2));
c.addItem(new LineItem("Product B", 5, 29.95, 3));
c.addItem(new LineItem("Product D", 1, 39.95, 4));
c.addItem(new LineItem("Product E", 3, 59.95, 3));
c.addItem(new LineItem("Product F", 2, 1.95, 2));
c.addItem(new LineItem("Product G", 2, 4.95, 2));

return c;
}

public static class Cart
    implements Serializable
{
    private List items = null;

    public void addItem(LineItem item)
    {
        if(items == null) items = new ArrayList();

        items.add(item);
    }

    public List getLineItemList()
    {
        return items;
    }

    public LineItem[] getLineItemArray()
    {
        if(items == null) return null;
        else return (LineItem[])items.toArray();
    }
}

public static class LineItem
    implements Serializable
{
    public static final int NOT_SHIPPED = 1;
    public static final int IN_TRANSIT = 2;
    public static final int ARRIVED = 3;
    public static final int UNKNOWN = 4;

    private String name = null;
    private int quantity = 0;
    private double price = 0.0;
    private double total = 0.0;
    private int shipState = NOT_SHIPPED;

    public LineItem(String name, int quantity, double price, int shipState)
    {
        this.name = name;
        this.quantity = quantity;
        this.price = price;
        this.total = price * quantity;
        this.shipState = shipState;
    }

    public String getName() {return name;}
    public double getPrice() {return price;}
    public int getQuantity() {return quantity;}
    public double getTotal() {return total;}
}
```


navtagSamples.html Sample

```
    public int getShipState() {return shipState;}  
  }  
}
```


Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/callPageFlow/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@taglib prefix="netui" uri="netui-tags-html.tld"%>

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
<html>
  <head>
    <netui:base/>
    <title>Demonstrate callPageFlow Tags</title>
    <link href="../../resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>

  <body>

    <jsp:include page="/resources/jsp/header.jsp"/>

    <blockquote>

      <p><b>Call Page Flow Sample</b></p>

      <p>The following JSP pages demonstrate the use of the <netui-data:callPageFlow> tag:</p>
      <p><netui:anchor action="Simple.do">simple.jsp</netui:anchor></p>
      <p><netui:anchor action="Sum.do">sum.jsp</netui:anchor></p>

    </blockquote>

    <hr>
    <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples</netui:anchor>

  </body>
</html>
```


Simple.jsp Sample

This topic includes the source code for the Simple.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/callPageFlow/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@taglib prefix="netui" uri="netui-tags-html.tld"%>

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
<html>
  <head>
    <netui:base/>
    <title>Demonstrate callPageFlow Tags</title>
    <link href="../../../resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>

  <body style="margin:0">

    <jsp:include page="/resources/jsp/header.jsp"/>

    <blockquote>

      <p><b>Simple Page Flow Calls</b></p>

      <netui-data:callPageFlow method="getDefaultText" resultId="jpfText"/>

      <p>The following text was returned by a method call without parameters:</p>

      <font color="red"><netui:label value="{pageContext.jpfText}"/></font></p>

      <netui-data:callPageFlow method="echo" resultId="jpfSaid">
        <netui-data:methodParameter value="Hello World!"/>
      </netui-data:callPageFlow>

      <p>The following text was returned by a method call with a single parameter:</p>

      <font color="red"><netui:label value="{pageContext.jpfSaid}"/></font></p>

      <hr size=1 align=left width=75%>

      <p><b>Implementation note:</b> the source files for this feature
        sample are in:</p>

      <p>&lt;WEBLOGIC_HOME&gt;\samples\workshop\SamplesApp\WebApp\callPageFlow</p>

      <p>&nbsp;</p>

      <p><netui:anchor action="begin">Return to Call Page Flow Sample Home</netui:anchor></p>
```


navtagSamples.html Sample

```
</blockquote>  
</body>  
</html>
```


Sum.jsp Sample

This topic includes the source code for the Sum.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/callPageFlow/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
<html>
  <head>
    <netui:base/>
    <title>Demonstrate callPageFlow Tags</title>
    <link href="../../../resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>

  <body style="margin:0">

    <jsp:include page="/resources/jsp/header.jsp"/>

    <blockquote>

      <b>Sum Items in Cart</b><br/>
      <netui-data:repeater dataSource="{pageFlow.cart.lineItemList}">
        <netui-data:repeaterHeader>
          <table class="table">
            <tr class="tablehead">
              <td>
                Name
              </td>
              <td>
                Quantity
              </td>
              <td>
                Item Price
              </td>
              <td>
                Total Price
              </td>
            </tr>
          </netui-data:repeaterHeader>
          <netui-data:repeaterItem>
            <tr class="row">
              <td>
                <netui:label value="{container.item.name}"/>
              </td>
              <td>
                <center><netui:label value="{container.item.quantity}"/></center>
              </td>
            </tr>
          </netui-data:repeaterItem>
        </netui-data:repeater>
      </blockquote>
    </body>
  </html>
```


navtagSamples.html Sample

```

        <td>
            <netui:label value="{container.item.price}">
                <netui:formatNumber pattern="$#,###,###.00"/>
            </netui:label>
        </td>
        <td>
            <netui:label value="{container.item.total}">
                <netui:formatNumber pattern="$#,###,###.00"/>
            </netui:label>
        </td>
    </tr>
</netui-data:repeaterItem>
<netui-data:repeaterFooter>
    <tr>
        <td></td>
        <td></td>
        <td bgcolor="#ffcccc">Sum:</td>
        <td bgcolor="#ffcccc">
            <%--
                The following netui-data:callPageFlow tag calls the sumCartItems method
                on the page flow callPageFlowController.jspf.
                The result, stored in the property "cartSum", is displayed by the netui:lab
                tag below. This property is accessible by the data binding expression
                    {pageContext.cartSum}.
            --%>
            <netui-data:callPageFlow method="sumCartItems" resultId="cartSum">
                <netui-data:methodParameter value="{pageFlow.cart.lineItemList}"/>
            </netui-data:callPageFlow>
            <netui:label value="{pageContext.cartSum}">
                <netui:formatNumber pattern="$#,###,###.00"/>
            </netui:label>
        </td>
    </tr>
</table>
</netui-data:repeaterFooter>
</netui-data:repeater>

<hr size=1 align=left width=75%>

<p><b>Implementation note:</b> the source files for this feature
    sample are in:</p>

<p>&lt;WEBLOGIC_HOME&gt;\samples\workshop\SamplesApp\WebApp\callPageFlow</p>

<p>&nbsp;</p>

<p><netui:anchor action="begin">Return to Call Page Flow Sample Home</netui:anchor></p>

</blockquote>

</body>

</html>

```


cellRepeater Samples

This section contains source code for the following samples.

Samples Included in This Section

CellRepeaterController.jspf Sample

Index.jsp Sample

CellRepeaterController.jspf Sample

This topic includes the source code for the CellRepeaterController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/cellRepeater/

Sample Source Code

```
package tagSamples.netui_databinding.cellRepeater;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui_databinding/cellRepeater/CellRepeaterControl
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="240" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
 *   <property value="116,160,160,204" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 *   <property value="success" name="label"/>
 * </pageflow-object>
 * </view-properties>
 * ::
 */
public class CellRepeaterController extends PageFlowController
{
    String[] menuItems = {"apples", "oranges", "grapefruit", "bananas", "ham sandwich", "grille
        "tomato soup", "split pea soup", "fish and chips", "fries", "cole slaw", "lasagne", "ha

    protected void onCreate()
    {
        getSession().setAttribute("menu", menuItems);
    }

    /**
     * This method represents the point of entry into the pageflow
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin()
    {

```


navtagSamples.html Sample

```
        return new Forward("success");  
    }  
}
```


Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/cellRepeater/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      index.jsp
    </title>
    <link href="../../resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <h3>CellRepeater Tag Sample</h3>
    <blockquote>
      <h4>Menu Items</h4>
      <netui-data:cellRepeater dataSource="{session.menu}" columns="3" cellClass="cell">
        <netui:label value="{container.item}"/>
      </netui-data:cellRepeater>
    </blockquote>
    <hr>
    <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples</netui:anchor>
  </body>
</netui:html>
```


choice Samples

This section contains source code for the following samples.

Samples Included in This Section

ChoiceController.jspf Sample

Index.jsp Sample

Items.jsp Sample

ItemsDBControl.jcx Sample

Shipping.jsp Sample

ChoiceController.jspf Sample

This topic includes the source code for the ChoiceController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/choice/

Sample Source Code

```
package tagSamples.netui_databinding.choice;

import com.bea.wlw.netui.pageflow.Forward;
import tagSamples.netui_databinding.choice.ItemsDBControl;
import weblogic.jws.control.DatabaseFilter;
import javax.sql.RowSet;
import java.sql.SQLException;
import com.bea.wlw.netui.databinding.form.RowSetForm;
import com.bea.wlw.netui.pageflow.FormData;
import com.bea.wlw.netui.tags.databinding.SortFilterService;
import java.util.ArrayList;
import java.util.List;
import java.io.Serializable;

/**
 * The page flow demonstrates the use of the netui:choice tag.
 * See items.jsp and shipping.jsp for syntax details.
 *
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui_databinding/choice/choiceController.jspf"/>
 * <pageflow-object id="action:begin.do">
 *   <property value="120" name="x"/>
 *   <property value="120" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="320" name="x"/>
 *   <property value="120" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:error.jsp">
 *   <property value="240" name="x"/>
 *   <property value="860" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:items.jsp">
 *   <property value="320" name="x"/>
 *   <property value="220" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:shipping.jsp">
 *   <property value="320" name="x"/>
 *   <property value="320" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#start#index.jsp#@action:begin.do@">
 *   <property value="112,112,112,112" name="elbowsY"/>
 *   <property value="156,220,220,284" name="elbowsX"/>

```


navtagSamples.html Sample

```

*   <property value="West_1" name="toPort"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="start" name="label"/>
* </pageflow-object>
* <pageflow-object id="control:tagSamples.netui_databinding.choice.ItemsDBControl#myControl">
*   <property value="28" name="x"/>
*   <property value="34" name="y"/>
* </pageflow-object>
* <pageflow-object id="formbeanprop:tagSamples.netui_databinding.choice.choiceController.DatabaseF
* <pageflow-object id="formbeanprop:tagSamples.netui_databinding.choice.choiceController.DatabaseF
* <pageflow-object id="formbeanprop:tagSamples.netui_databinding.choice.choiceController.DatabaseF
* <pageflow-object id="formbeanprop:tagSamples.netui_databinding.choice.choiceController.DatabaseF
* <pageflow-object id="formbean:tagSamples.netui_databinding.choice.choiceController.DatabaseF
* </view-properties>
* ::
*
*/
public class choiceController extends com.bea.wlw.netui.pageflow.PageFlowController
{
    /**
     * The Items database control.
     * @common:control
     */
    private ItemsDBControl myControl;

    private transient RowSet allRows;
    private transient SortFilterService sortFilterService;
    private transient String gridName = "choiceTagControllerGridName";
    private Cart cart = null;

    public Cart getCart()
    {
        return cart;
    }

    public Double sumCartItems(List items)
    {
        if(items == null) return new Double(0);

        double sum = 0;
        for(int i = 0; i < items.size(); i++)
        {
            LineItem item = (LineItem)items.get(i);
            sum += item.getQuantity() * item.getPrice();
        }

        return new Double(sum);
    }

    public String getShippingState(int shipState)
    {
        if(shipState == LineItem.IN_TRANSIT)
            return "inTransit";
        else if(shipState == LineItem.NOT_SHIPPED)
            return "notShipped";
        else if(shipState == LineItem.ARRIVED)
            return "arrived";
        else return "unknown";
    }
}

```


navtagSamples.html Sample

```
public String isItemOnSale(int quantityavailable)
{
    if(quantityavailable < 10)
        return "true";
    else
        return "false";
}

/**
 * This method represents the point of entry into the page group
 *
 * @jpf:action
 * @jpf:forward name="start" path="index.jsp"
 * @jpf:catch method="sqlExceptionHandler" type="SQLException"
 */
public Forward begin()
    throws Exception
{
    // Initiate the allRows object, displayed on items.jsp.
    sortFilterService = SortFilterService.getInstance( getRequest () );
    allRows = myControl.getAllItems( getSortFilterService ().getDatabaseFilter ( gridName )

    // Initiate the cart object, displayed on shipping.jsp.
    if(cart == null)
        cart = initCart();

    return new Forward( "start" );
}

/**
 * @jpf:exception-handler
 * @jpf:forward name="errorPage" path="/error.jsp"
 */
protected Forward sqlExceptionHandler( SQLException aSQLException, String aString, String a
{
    // log sql exception here
    return new Forward("errorPage");
}

public SortFilterService getSortFilterService()
{
    return sortFilterService;
}

public RowSet getAllRows()
{
    return allRows;
}

private Cart initCart()
{
    Cart c = new Cart();
    c.addItem(new LineItem("Product A", 3, 9.95, 1));
    c.addItem(new LineItem("Product C", 2, 19.95, 2));
    c.addItem(new LineItem("Product B", 5, 29.95, 3));
    c.addItem(new LineItem("Product D", 1, 39.95, 4));
    c.addItem(new LineItem("Product E", 3, 59.95, 3));
}
```


navtagSamples.html Sample

```
c.addItem(new LineItem("Product F", 2, 1.95, 2));
c.addItem(new LineItem("Product G", 2, 4.95, 2));

return c;
}

public static class Cart
    implements Serializable
{
    private List items = null;

    public void addItem(LineItem item)
    {
        if(items == null) items = new ArrayList();

        items.add(item);
    }

    public List getLineItemList()
    {
        return items;
    }

    public LineItem[] getLineItemArray()
    {
        if(items == null) return null;
        else return (LineItem[])items.toArray();
    }
}

public static class LineItem
    implements Serializable
{
    public static final int NOT_SHIPPED = 1;
    public static final int IN_TRANSIT = 2;
    public static final int ARRIVED = 3;
    public static final int UNKNOWN = 4;

    private String name = null;
    private int quantity = 0;
    private double price = 0.0;
    private int shipState = NOT_SHIPPED;

    public LineItem(String name, int quantity, double price, int shipState)
    {
        this.name = name;
        this.quantity = quantity;
        this.price = price;
        this.shipState = shipState;
    }

    public String getName() {return name;}
    public double getPrice() {return price;}
    public int getQuantity() {return quantity;}
    public int getShipState() {return shipState;}
}

public static class DatabaseForm extends RowSetForm
{

```


navtagSamples.html Sample

```
public DatabaseForm()
{
    super ();
}

private int itemnumber;
private String itemname;
private int quantityavailable;
private Double price;

public int getItemnumber()
{
    return itemnumber;
}

public void setItemnumber( int newOne )
{
    this.itemnumber = newOne;
}

public String getItemname()
{
    return itemname;
}

public void setItemname( String newOne )
{
    this.itemname = newOne;
    registerChange ( "itemname" );
}

public int getQuantityavailable()
{
    return quantityavailable;
}

public void setQuantityavailable( int newOne )
{
    this.quantityavailable = newOne;
    registerChange ( "quantityavailable" );
}

public Double getPrice()
{
    return price;
}

public void setPrice( Double newOne )
{
    this.price = newOne;
    registerChange ( "price" );
}
}
```


Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/choice/

Sample Source Code

```
<!--Generated by WebLogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<html>
  <head>
    <netui:base/>
    <title>
      /WebApp/choiceTag/index.jsp
    </title>
    <link href="../../resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <blockquote>
      <h3>Choice Tag Sample</h3>
      <p>The following JSP pages demonstrate the use of the <netui-data:choice>
        and <netui-data:choiceMethod> tags.</p>
      <p><a href="items.jsp">items.jsp</a>
      <p><a href="shipping.jsp">shipping.jsp</a>

    </blockquote>
    <hr>
    <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples</netui:anchor>
  </body>
</html>
```


Items.jsp Sample

This topic includes the source code for the Items.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/choice/

Sample Source Code

```
<!--Generated by Weblogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<html>
<head>
    <title>
        items.jsp
    </title>
    <link href="../../../resources/css/style.css" type="text/css" rel="stylesheet"/>
</head>
<body>
    <jsp:include page="/resources/jsp/header.jsp"/>

    <blockquote>
    <%--
The repeater element is used to render complex data types (Arrays, Maps, RowSets, etc.)
as HTML.
In this case, the repeater element is databound to a RowSet and renders that
RowSet as an HTML table. (The repeater element is bound to a data set via its dataSource
attribute.)
--%>
<netui-data:repeater dataSource="{pageFlow.allRows}" defaultText="no records">
    <netui-data:repeaterHeader>
        <table class="table" border="1">
            <thead><tr><td colspan="4"><h2>Items</h2></td></tr></thead>
            <tr class="tablehead">
                <td>ID Number</td>
                <td>Name</td>
                <td>Quantity Available</td>
                <td>Price</td>
            </tr>
        </netui-data:repeaterHeader>
    <%--
The repeaterItem element renders a single HTML table row for each row
within the RowSet.
The RowSet as a whole is referenced by the XScript expression 'container'.
The individual rows of the RowSet are referenced by the expression 'container.item'.
The fields of an individual row are referenced by expression 'container.item.[fieldname]'.

Each row is rendered in one of two different ways by the use of the
choiceMethod and choice elements. Before the repeaterItem renders an individual row,
the page flow method isItemOnSale is consulted: if that method returns true, the row is
rendered with a red background color; if it returns false, the row is rendered
```


navtagSamples.html Sample

with a white background color.

```
--%>
<netui-data:repeaterItem>
  <netui-data:choiceMethod object="{pageFlow}" method="isItemOnSale">
    <netui-data:methodParameter value="{container.item.quantityavailable}"/>
  </netui-data:choiceMethod>
  <netui-data:choice value="true">
    <tr class="row" bgcolor="#FF9999">
      <td><netui:label value="{container.item.itemnumber}"/></td>
      <td><netui:label value="{container.item.itemname}"/></td>
      <td><netui:label value="{container.item.quantityavailable}"/></td>
      <td><netui:label value="{container.item.price}"/> Clearance Item</td>
    </tr>
  </netui-data:choice>
  <netui-data:choice value="false">
    <tr class="row">
      <td><netui:label value="{container.item.itemnumber}"/></td>
      <td><netui:label value="{container.item.itemname}"/></td>
      <td><netui:label value="{container.item.quantityavailable}"/></td>
      <td><netui:label value="{container.item.price}"/></td>
    </tr>
  </netui-data:choice>
</netui-data:repeaterItem>
<netui-data:repeaterFooter>
  </table>
</netui-data:repeaterFooter>
</netui-data:repeater>

<hr width="90%">
<p><netui:anchor action="begin.do">Return to choiceTag Samples Home</netui:anchor></p>
<p>&nbsp;</p>
</blockquote>
</body>
</html>
```


ItemsDBControl.jcx Sample

This topic includes the source code for the ItemsDBControl.jcx Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/choice/

Sample Source Code

```
package tagSamples.netui_databinding.choice;

import java.sql.SQLException;
import javax.sql.RowSet;
import com.bea.control.DatabaseControl;
import com.bea.control.DatabaseFilter;

/**
 * @jc:connection data-source-jndi-name="cgSampleDataSource"
 * @common:schema file="#rowset-schemas" inline="true"
 * @common:define name="rowset-schemas" value::
 *
 *   <xsd:schema targetNamespace="http://www.tempuri.org" xmlns="http://www.tempuri.org" xmlns:xs="http://www.w3.org/2001/XMLSchema-1" >
 *     <xsd:element wld:DefaultNamespace="http://www.tempuri.org" name="ITEMSRowSet" wld:RowSet="true" >
 *       <xsd:complexType>
 *         <xsd:choice maxOccurs="unbounded" >
 *           <xsd:element name="ITEMSRow" >
 *             <xsd:complexType>
 *               <xsd:sequence>
 *                 <xsd:element name="ITEMNUMBER" wld:AutoIncrement="true" type="xsd:int" wld:readOnly="true" />
 *                 <xsd:element name="ITEMNAME" wld:AutoIncrement="false" type="xsd:string" wld:readOnly="true" />
 *                 <xsd:element name="QUANTITYAVAILABLE" wld:AutoIncrement="false" type="xsd:int" wld:readOnly="true" />
 *                 <xsd:element name="PRICE" wld:AutoIncrement="false" type="xsd:double" wld:readOnly="true" />
 *               </xsd:sequence>
 *               <xsd:anyAttribute namespace="http://www.bea.com/2202/10/weblogicdata" processContents="lax" />
 *             </xsd:complexType>
 *           </xsd:element>
 *         </xsd:choice>
 *       </xsd:complexType>
 *     </xsd:element>
 *   </xsd:schema>::
 */

public interface ItemsDBControl extends com.bea.control.ControlExtension, DatabaseControl
{
    /**
     * @jc:sql command-type="grid"
     *
     *   rowset-name="ITEMSRowSet"
     *   statement::
     *
     *     SELECT ITEMNUMBER,ITEMNAME,QUANTITYAVAILABLE,PRICE FROM ITEMS
     *
     *     {sql: filter.getWhereClause ()}
     *
     *     {sql: filter.getOrderByClause ()}
     *
     *   ::
     */
    public RowSet getAllItems ( DatabaseFilter filter )
        throws SQLException;
}
```


navtagSamples.html Sample

```
/**
 * @jc:sql command-type="detail"
 *          rowset-name="ITEMSRowSet"
 *          statement::
 *          SELECT ITEMNUMBER,ITEMNAME,QUANTITYAVAILABLE,PRICE FROM ITEMS
 *          ::
 */
public RowSet.getItems ( Integer x )
    throws SQLException;

/**
 * @jc:sql command-type="update"
 *          rowset-name="ITEMSRowSet"
 */
public RowSet updateItems ( RowSet changedRs )
    throws SQLException;

/**
 * @jc:sql command-type="delete"
 *          rowset-name="ITEMSRowSet"
 */
public void deleteItems ( RowSet oldRs )
    throws SQLException;

/**
 * @jc:sql command-type="insert"
 *          rowset-name="ITEMSRowSet"
 */
public void insertItems ( RowSet changedRs )
    throws SQLException;

/**
 * @jc:sql command-type="templateRow"
 *          rowset-name="ITEMSRowSet"
 */
public RowSet.getItemsTemplate ()
    throws SQLException;

/**
 * @jc:sql command-type="insertedRow"
 *          rowset-name="ITEMSRowSet"
 *          statement::
 *          SELECT ITEMNUMBER,ITEMNAME,QUANTITYAVAILABLE,PRICE FROM ITEMS
 *          ::
 */
public RowSet getInsertedItems ()
    throws SQLException;

}
```


Shipping.jsp Sample

This topic includes the source code for the Shipping.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/choice/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
<html>
  <head>
    <title>Shipping</title>
    <link href="../../resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>

    <blockquote>
      <h1>Shipping</h1>
      <p><b>Product Ship Status</b>
      <p><netui-data:repeater dataSource="{pageFlow.cart.lineItemList}">
        <netui-data:repeaterHeader>
          <table class="table" border=true>
            <tr class="tablehead"><td>Name</td><td>Shipped Date</td><td>Arrival Date (est)</td>
          </netui-data:repeaterHeader>
          <netui-data:repeaterItem>
            <%--
              The following netui-data:choiceMethod tag calls the getShippingState method, which
              returns one of four values: "inTransit", "arrived", "notShipped", or "unknown".
              The four netui-data:choice tags below are used to display four corresponding HTML table
              rows.
            --%>
            <netui-data:choiceMethod object="{pageFlow}" method="getShippingState">
              <netui-data:methodParameter value="{container.item.shipState}"/>
            </netui-data:choiceMethod>
            <%--
              If the call to the method getShippedState returns "inTransit" display this row.
            --%>
            <netui-data:choice value="inTransit">
              <tr class="row" bgcolor="#ffffcc">
                <td><netui:label value="{container.item.name}"/></td>
                <td><netui:label value="12/29/2002"/></td>
                <td><netui:label value="1/8/2003"/></td>
              </tr>
            </netui-data:choice>
            <%--
              If the call to the method getShippedState returns "arrived" display this row.
            --%>
            <netui-data:choice value="arrived">
              <tr class="row" bgcolor="#ccffcc">
```


navtagSamples.html Sample

```
<td><netui:label value="{container.item.name}"/></td>
<td colspan=2><netui:label value="Arrived"/></td>
</tr>
</netui-data:choice>
<%--
If the call to the method getShippedState returns "notShipped" display this row.
--%>
<netui-data:choice value="notShipped">
  <tr class="row" bgcolor="#ffcccc">
    <td><netui:label value="{container.item.name}"/></td>
    <td colspan=2><netui:label value="Not Yet Shipped"/></td>
  </tr>
</netui-data:choice>
<%--
If the call to the method getShippedState returns a value other than the three above
display this row.
--%>
<netui-data:choice default="true">
  <tr class="row">
    <td><netui:label value="{container.item.name}"/></td>
    <td class="rowerror" colspan=2><netui:label value="Error; status unknown."
  </tr>
</netui-data:choice>
</netui-data:repeaterItem>
<netui-data:repeaterFooter>
  </table>

  </netui-data:repeaterFooter>
</netui-data:repeater>

<hr width="90%">
<p><netui:anchor action="begin.do">Return to choiceTag Samples Home</netui:anchor></p>
<p>&nbsp;</p>
</blockquote>

</body>
</html>
```


declarePageInput Samples

This section contains source code for the following samples.

Samples Included in This Section

Index.jsp Sample

ItemsDBControl.jcx Sample

Next.jsp Sample

PageInputController.jpf Sample

Simple.jsp Sample

Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/declarePageInput/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<!-- netui-data:declarePageInput name="Products" type="java.lang.String[]" / -->
<netui:html>
  <head>
    <netui:base/>
    <title>
      Declare Page Input Sample
    </title>
    <link href="../../resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/> <br/>

    <blockquote>

      <h3>Declare Page Input Sample</h3>

      <p>This sample shows how you can use the <netui-data:declarePageInput>
      tag to accomplish several tasks.</p>

      <ul type="square">

        <li><p>The <netui-datat:declarePageInput> allows you to declare
        variables that will be passed from the page flow controller to the
        JSP page. A variable so declared can be accessed from the <i>pageInput</i> data
        binding context. </li>

        <li><p>The presence of <netui-data:declarePageInput> tags in a JSP file
        helps to indicate clearly the type of data expected at run time. This
        information about the incoming data helps your team understand any
        data dependencies a given JSP page may have.</li>

        <li><p>At design time each <netui-data:declarePageInput> tag, once added
        to a JSP page, enables an additional WebLogic Workshop IDE feature to discover properti
        about your source code.
        <p>For example, the presence of a
        <netui-data:declarePageInput> tag on a JSP page causes
        the Workshop IDE to display the variable declared in the <netui-data:declarePageInput>
        in the Data Palette's "Page Inputs" section.
        Once the variable is displayed in the Data Palette, you can (1) drag and drop the varia
        the Data Palette, and (2) set properties on the variable.</li>

      </ul>

    </blockquote>

  </body>
</netui:html>
```


navtagSamples.html Sample

```
</ul>

<hr width="90%">

<h3>Start Declare Page Input Sample...</h3>

<p>In the first part of this sample, the target page, simple.jsp,
contains three <netui-data:declarePageInput>
tags which declare and initialize three variables that reside on the page flow controller.
PageInputController.jspf.</p>
<p>&nbsp;</p>
<p><netui:anchor action="simple">To simple.jsp</netui:anchor><br/>

</blockquote>
<hr>
<netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples</netui:anchor>

</body>
</netui:html>
```


ItemsDBControl.jcx Sample

This topic includes the source code for the ItemsDBControl.jcx Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/declarePageInput/

Sample Source Code

```
package tagSamples.netui_databinding.declarePageInput;

import com.bea.control.*;
import java.sql.SQLException;

/**
 * Defines a new database control.
 *
 * The @jc:connection tag indicates which WebLogic data source will be used by
 * this database control. Please change this to suit your needs. You can see a
 * list of available data sources by going to the WebLogic console in a browser
 * (typically http://localhost:7001/console) and clicking Services, JDBC,
 * Data Sources.
 *
 * @jc:connection data-source-jndi-name="cgDataSource"
 */
public interface ItemsDBControl extends DatabaseControl, com.bea.control.ControlExtension
{
    static public class Item
    {
        public int itemnumber;
        public String itemname;
        public int quantityavailable;
        public double price;
    }

    static final long serialVersionUID = 1L;

    /**
     * @jc:sql statement="SELECT ITEMNUMBER, ITEMNAME, QUANTITYAVAILABLE, PRICE FROM ITEMS"
     */
    Item[] getAllItems() throws SQLException;
}
```


Next.jsp Sample

This topic includes the source code for the Next.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/declarePageInput/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>

<!--
This netui-data:declarePageInput tag creates and initializes the variable "items" of type
pageInput.ItemsDBControl.Item[].
Note that the Workshop IDE is aware of this variable and displays it in the Data Palette's
Page Inputs section.
-->
<netui-data:declarePageInput name="items" type="pageInput.ItemsDBControl.Item[]"/>

<netui:html>
  <head>
    <title>
      Declare Page Input Sample: next.jsp
    </title>
    <link href="../../../resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>

  <body>

    <jsp:include page="/resources/jsp/header.jsp"/> <br/>
    <blockquote>
      <h3>Declare Page Input Sample: next.jsp</h3>

      <p>On this page, a <netui-data:declarePageInput> tag declares
      and initializes a variable of type pageInput.ItemsDBControl.Item[]. Note that this type
      is defined within a Database control file.

      <p><netui-data:declarePageInput name="items" type="pageInput.ItemsDBControl.Item[]"/>

      <p>The Workshop IDE is aware of this variable and displays it
      in the Data Palette's Page Inputs section.

      <p>
        
      </p>

      <p>At design time you can drag and drop this variable on the JSP page to display the variable.

      <p>The following <netui-data:repeater> tag was created by dragging and dropping the
      "items" from the Data Palette.
```


navtagSamples.html Sample

```
<p>&nbsp;</p>
<p><b>An array of product items:</b>
<netui-data:repeater dataSource="{pageInput.items}">
  <netui-data:repeaterHeader>
    <ul> </netui-data:repeaterHeader>
  <netui-data:repeaterItem>
    <li>
      <netui:label value="{container.item.itemname}" style="color:red;" />
    </li>
  </netui-data:repeaterItem>
  <netui-data:repeaterFooter> </ul> </netui-data:repeaterFooter>
</netui-data:repeater>

<p>That concludes the Declare Page Input sample </p>
</blockquote>

<hr>
<p><netui:anchor action="begin">Re-run this sample</netui:anchor>
<p><netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Sampl

</body>
</netui:html>
```


PageInputController.jpf Sample

This topic includes the source code for the PageInputController.jpf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/declarePageInput/

Sample Source Code

```
package tagSamples.netui_databinding.declarePageInput;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;
import com.bea.wlw.netui.pageflow.FormData;
import tagSamples.netui_databinding.declarePageInput.ItemsDBControl;
import java.sql.SQLException;
import tagSamples.netui_databinding.declarePageInput.ItemsDBControl.Item;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui_databinding/declarePageInput/PageInputContr
 * <pageflow-object id="action:begin.do">
 *   <property value="60" name="x"/>
 *   <property value="60" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:simple.do">
 *   <property value="60" name="x"/>
 *   <property value="140" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:next.do">
 *   <property value="60" name="x"/>
 *   <property value="220" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:index.jsp#@@action:simple.do@">
 *   <property value="324,210,210,96" name="elbowsX"/>
 *   <property value="52,52,132,132" name="elbowsY"/>
 *   <property value="West_1" name="fromPort"/>
 *   <property value="East_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="360" name="x"/>
 *   <property value="60" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:simple.jsp#@@action:next.do@">
 *   <property value="324,210,210,96" name="elbowsX"/>
 *   <property value="143,143,212,212" name="elbowsY"/>
 *   <property value="West_2" name="fromPort"/>
 *   <property value="East_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="page:simple.jsp">
 *   <property value="360" name="x"/>
 *   <property value="140" name="y"/>
```


navtagSamples.html Sample

```

* </pageflow-object>
* <pageflow-object id="action-call:@page:next.jsp#@action:begin.do@">
*   <property value="324,210,210,96" name="elbowsX"/>
*   <property value="212,212,52,52" name="elbowsY"/>
*   <property value="West_1" name="fromPort"/>
*   <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="page:next.jsp">
*   <property value="360" name="x"/>
*   <property value="220" name="y"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
*   <property value="96,210,210,324" name="elbowsX"/>
*   <property value="52,52,52,52" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#simple#simple.jsp#@action:simple.do@">
*   <property value="96,210,210,324" name="elbowsX"/>
*   <property value="132,132,132,132" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="simple" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#next.jsp#@action:next.do@">
*   <property value="96,210,210,324" name="elbowsX"/>
*   <property value="212,212,212,212" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="control:tagSamples.netui_databinding.declarePageInput.ItemsDBControl#it">
*   <property value="26" name="x"/>
*   <property value="34" name="y"/>
* </pageflow-object>
* <pageflow-object id="formbeanprop:tagSamples.netui_databinding.declarePageInput.PageInputCon">
* <pageflow-object id="formbean:tagSamples.netui_databinding.declarePageInput.PageInputControl">
* </view-properties>
* ::
*/
public class PageInputController extends PageFlowController
{
    protected global.Global globalApp;

    /**
     * @common:control
     */
    private tagSamples.netui_databinding.declarePageInput.ItemsDBControl itemsDB;

    /**
     * This method represents the point of entry into the pageflow
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin()
    {
        return new Forward("success");
    }
}

```


navtagSamples.html Sample

```
/**
 * @jpf:action
 * @jpf:forward name="simple" path="simple.jsp"
 */
public Forward simple()
{
    Forward f = new Forward("simple");

    f.addPageInput("fooBean", new FooBean());
    f.addPageInput("barBean", new BarBean());
    f.addPageInput("simpleForm", new SimpleForm());
    return f;
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="next.jsp"
 */
public Forward next()
    throws SQLException
{
    Item[] items = itemsDB.getAllItems();
    return new Forward("success", "items", items);
}

public static class FooBean
{
    private String foo = "A Foo String";

    public String getFoo()
    {
        return foo;
    }

    public void setFoo(String foo)
    {
        this.foo = foo;
    }
}

public static class BarBean
{
    private String bar = "A Bar String";
    private boolean barBoolean = true;

    public boolean getBarBoolean()
    {
        return barBoolean;
    }

    public String getBar()
    {
        return bar;
    }

    public void setBar(String bar)
    {
        this.bar = bar;
    }
}
```


navtagSamples.html Sample

```
}  
  
public static class SimpleForm  
    extends FormData  
{  
    private String stringProperty = "A String Property";  
  
    public String getStringProperty()  
    {  
        return stringProperty;  
    }  
  
    public void setStringProperty(String stringProperty)  
    {  
        this.stringProperty = stringProperty;  
    }  
}  
}
```


Simple.jsp Sample

This topic includes the source code for the Simple.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/declarePageInput/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>

<netui-data:declarePageInput name="fooBean" type="pageInput.PageInputController.FooBean"/>
<netui-data:declarePageInput name="barBean" type="pageInput.PageInputController.BarBean"/>
<netui-data:declarePageInput name="simpleForm" type="pageInput.PageInputController.SimpleForm"/>

<netui:html>
  <head>
    <title>
      Declare Page Input Sample: simple.jsp
    </title>
    <link href="../../resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>
  <body>

    <jsp:include page="/resources/jsp/header.jsp"/> <br/>

    <blockquote>

      <h3>Declare Page Input Sample: simple.jsp</h3>

      <p>This JSP page contains the following <netui-data:declarePageInput> tags.</p>

      <p>
        <code>
          <netui-data:declarePageInput name="fooBean" type="pageInput.PageInputController$FooBean"/>
          <netui-data:declarePageInput name="barBean" type="pageInput.PageInputController$BarBean"/>
          <netui-data:declarePageInput name="simpleForm" type="pageInput.PageInputController$SimpleForm"/>
        </code>
      </p>

      <p>This causes the IDE to become aware of three new data types, and display those data types in the Data Palette's Page Inputs section.</p>

      

      <p>At design time, you can drag and drop these data types onto the JSP page to create <netui:label> tags.
    </p>

    <p>The following <netui:label> tags were created by dragging and dropping from the Data Palette's Page Inputs section.</p>
```


navtagSamples.html Sample

```
<p>
  <p><b>fooBean.foo:</b> <netui:label style="color:red" value="{pageInput.fooBean.foo}"
  <b>barBean.bar:</b> <netui:label style="color:red" value="{pageInput.barBean.bar}"></
  <b>simpleForm.stringProperty:</b> <netui:label style="color:red" value="{pageInput.si
</p>

<hr width="90%">

<h3>Continue Declare Page Input Sample...</h3>

<p>
  Navigate to the second part of this sample.
  In the second part, we have declared page inputs from
  a database control.</p>
  <p><netui:anchor action="next">To next.jsp</netui:anchor><br/>

  </blockquote>

</body>
</netui:html>
```


getData Samples

This section contains source code for the following samples.

Samples Included in This Section

GetDataController.jspf Sample

Index.jsp Sample

GetDataController.jspf Sample

This topic includes the source code for the GetDataController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/getData/

Sample Source Code

```
package tagSamples.netui_databinding.getData;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui_databinding/getData/GetDataController.jspf"/>
 * <pageflow-object id="page:index.jsp">
 *   <property value="240" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
 *   <property value="116,160,160,204" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 *   <property value="success" name="label"/>
 * </pageflow-object>
 * </view-properties>
 * ::
 */
public class GetDataController extends PageFlowController
{
    public String myData = "Hello, World!";

    /**
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin()
    {
        return new Forward("success");
    }
}
```


Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/getData/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      index.jsp
    </title>
    <link href="../../resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <h3>GetData Tag Sample</h3>
    <blockquote>
      <netui-data:getData resultId="extractedData" value="{pageFlow.myData}"/>

      <p>The following message was extracted from the Controller file and made available to the
      JSP scriptlet using the <netui-data:getData> tag:

      <p>&nbsp;   <%= pageContext.getAttribute("extractedData")%>
    </blockquote>
    <hr>
    <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples</netui:anchor>
  </body>
</netui:html>
```


grid Samples

This section contains source code for the following samples.

Samples Included in This Section

DetailsItems.jsp Sample

Grid.jsp Sample

GridController.jspf Sample

InsertItems.jsp Sample

itemsrowsetcontrol Samples

UpdateItems.jsp Sample

DetailsItems.jsp Sample

This topic includes the source code for the DetailsItems.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/grid/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
    <%
        response.setHeader( "Pragma", "No-cache" );
        response.setHeader( "Cache-Control", "no-cache" );
        response.setHeader( "Expires", "1" );
    %>
<netui-template:template templatePage="/resources/jsp/template.jsp">
    <netui-template:setAttribute value="ItemsRowSetControl - Details View" name="title"/>
    <netui-template:section name="bodySection">
        <blockquote>
            <span class="pagehead">
                <netui:label value="ItemsRowSetControl - Details View"/>
            </span>
            <br/>
            <br/>
            <table>
                <tr class="tablebody">
                    <td>Itemnumber:</td>
                    <td>
                        <netui:content value="{request.databaseForm.itemnumber}"/>
                    </td>
                </tr>
                <tr class="tablebody">
                    <td>Itemname:</td>
                    <td>
                        <netui:content value="{request.databaseForm.itemname}"/>
                    </td>
                </tr>
                <tr class="tablebody">
                    <td>Quantityavailable:</td>
                    <td>
                        <netui:content value="{request.databaseForm.quantityavailable}"/>
                    </td>
                </tr>
                <tr class="tablebody">
                    <td>Price:</td>
                    <td>
                        <netui:content value="{request.databaseForm.price}"/>
                    </td>
                </tr>
            </table>
            <br/>
        </blockquote>
    </netui-template:section>
</netui-template:template>
```


navtagSamples.html Sample

```
<netui:imageAnchor action="updateItems" border="0" src='<%=request.getContextPath() + "
    <netui:parameterMap map="{pageFlow.sortFilterService.rowIdQueryParamsMap}"/>
</netui:imageAnchor>
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
<netui:imageAnchor action="deleteItems" border="0" src='<%=request.getContextPath() + "
    <netui:parameterMap map="{pageFlow.sortFilterService.rowIdQueryParamsMap}"/>
</netui:imageAnchor>
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
<netui:imageAnchor action="showGrid" border="0" src='<%=request.getContextPath() + "/re
    <netui:parameterMap map="{pageFlow.sortFilterService.queryParamsMap}"/>
</netui:imageAnchor>
</blockquote>
</netui-template:section>
</netui-template:template>
```


Grid.jsp Sample

This topic includes the source code for the Grid.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/grid/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui-template:template templatePage="/resources/jsp/grid_template.jsp">
    <netui-template:setAttribute value="ItemsRowSetControl - Grid View" name="title"/>
    <netui-template:section name="bodySection">
        <blockquote>
            <span class="pagehead">
                <netui:label value="ItemsRowSetControl - Grid View"/>
            </span>
            <br/>
            <br/>
            <netui-data:grid dataSource="{pageFlow.allRows}" name="{pageFlow.gridName}">
                <netui-data:gridStyle styleClassPrefix="gridStyle"/>
                <netui-data:pager pageSize="5" renderInHeader="true" action="pageAction" renderInFooter="true"/>
                <netui-data:columns filterAction="begin" sortAction="begin">
                    <netui-data:anchorColumn action="detailsItems" addRowId="true" title="Details"/>
                    <netui-data:anchorColumn action="updateItems" addRowId="true" title="Edit"/>
                    <netui-data:basicColumn filterable="true" title="Itemnumber" sortable="true" name="itemnumber"/>
                    <netui-data:basicColumn filterable="true" title="Itemname" sortable="true" name="itemname"/>
                    <netui-data:basicColumn filterable="true" title="Quantityavailable" sortable="true" name="quantityavailable"/>
                    <netui-data:expressionColumn title="" value="Our Price: {container.item.price}"/>
                </netui-data:columns>
            </netui-data:grid>
            <netui:imageAnchor action="insertItems" align="center" border="0" src='<%=request.getCo
                Insert
            </netui:imageAnchor>
        </blockquote>
        <hr>
        <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples</netui:anchor>
    </netui-template:section>
</netui-template:template>
```


GridController.jspf Sample

This topic includes the source code for the GridController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/grid/

Sample Source Code

```
package tagSamples.netui_databinding.grid;
import com.bea.wlw.netui.pageflow.Forward;

import tagSamples.netui_databinding.grid.itemsrowsetcontrol.ItemsRowSetControl;
import java.util.Map;
import java.util.Iterator;
import javax.sql.RowSet;
import java.sql.SQLException;
import com.bea.wlw.netui.databinding.form.RowSetForm;
import com.bea.wlw.netui.pageflow.FormData;

import com.bea.wlw.netui.pageflow.PageFlowController;
import com.bea.wlw.netui.tags.databinding.SortFilterService;
import com.bea.wlw.netui.databinding.form.RowSetFormException;
import com.bea.wlw.netui.databinding.exception.RowIdentifierParseException;
import weblogic.jdbc.rowset.OptimisticConflictException;
import weblogic.jdbc.rowset.WLCachedRowSet;

/**
 * PageFlow class generated from control ItemsRowSetControl
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui_databinding/grid/GridController.jspf"/>
 * <pageflow-object id="action:begin.do">
 *   <property value="400" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:insertItems.do#tagSamples.netui_databinding.grid.GridController.">
 *   <property value="160" name="x"/>
 *   <property value="300" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:submitInsert.do#tagSamples.netui_databinding.grid.GridController.">
 *   <property value="280" name="x"/>
 *   <property value="400" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:cancelInsert.do">
 *   <property value="160" name="x"/>
 *   <property value="500" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:detailsItems.do#tagSamples.netui_databinding.grid.GridController.">
 *   <property value="400" name="x"/>
 *   <property value="300" name="y"/>
 * </pageflow-object>
```


navtagSamples.html Sample

```
* <pageflow-object id="action:showGrid.do">
*   <property value="400" name="x"/>
*   <property value="500" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:updateItems.do#tagSamples.netui_databinding.grid.GridController.">
*   <property value="640" name="x"/>
*   <property value="300" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:submitUpdate.do#tagSamples.netui_databinding.grid.GridController.">
*   <property value="520" name="x"/>
*   <property value="400" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:cancelUpdate.do">
*   <property value="640" name="x"/>
*   <property value="500" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:deleteItems.do#tagSamples.netui_databinding.grid.GridController.">
*   <property value="280" name="x"/>
*   <property value="500" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:pageAction.do">
*   <property value="280" name="x"/>
*   <property value="200" name="y"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:grid.jsp#@action:detailsItems.do#tagSamples.netui_databinding.grid.GridController.">
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="400,400,400,400" name="elbowsX"/>
*   <property value="244,250,250,256" name="elbowsY"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:grid.jsp#@action:pageAction.do@">
*   <property value="364,340,340,316" name="elbowsX"/>
*   <property value="181,181,181,181" name="elbowsY"/>
*   <property value="West_0" name="fromPort"/>
*   <property value="East_0" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:grid.jsp#@action:insertItems.do#tagSamples.netui_databinding.grid.GridController.">
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="400,400,160,160" name="elbowsX"/>
*   <property value="244,250,250,256" name="elbowsY"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:grid.jsp#@action:updateItems.do#tagSamples.netui_databinding.grid.GridController.">
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="400,400,640,640" name="elbowsX"/>
*   <property value="244,250,250,256" name="elbowsY"/>
* </pageflow-object>
* <pageflow-object id="page:grid.jsp">
*   <property value="400" name="x"/>
*   <property value="200" name="y"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:insertItems.jsp#@action:cancelInsert.do@">
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="160,160,160,160" name="elbowsX"/>
*   <property value="444,450,450,456" name="elbowsY"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:insertItems.jsp#@action:submitInsert.do#tagSamples.netui_databinding.grid.GridController.">
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
```


navtagSamples.html Sample

```
* <property value="196,220,220,244" name="elbowsX" />
* <property value="392,392,392,392" name="elbowsY" />
* </pageflow-object>
* <pageflow-object id="page:insertItems.jsp">
*   <property value="160" name="x" />
*   <property value="400" name="y" />
* </pageflow-object>
* <pageflow-object id="action-call:@page:detailsItems.jsp##action:deleteItems.do#tagSamples.n
*   <property value="South_0" name="fromPort" />
*   <property value="North_1" name="toPort" />
*   <property value="389,389,280,280" name="elbowsX" />
*   <property value="444,450,450,456" name="elbowsY" />
* </pageflow-object>
* <pageflow-object id="action-call:@page:detailsItems.jsp##action:showGrid.do@">
*   <property value="South_1" name="fromPort" />
*   <property value="North_1" name="toPort" />
*   <property value="400,400,400,400" name="elbowsX" />
*   <property value="444,450,450,456" name="elbowsY" />
* </pageflow-object>
* <pageflow-object id="action-call:@page:detailsItems.jsp##action:updateItems.do#tagSamples.n
*   <property value="East_1" name="fromPort" />
*   <property value="West_1" name="toPort" />
*   <property value="436,520,520,604" name="elbowsX" />
*   <property value="392,392,292,292" name="elbowsY" />
* </pageflow-object>
* <pageflow-object id="page:detailsItems.jsp">
*   <property value="400" name="x" />
*   <property value="400" name="y" />
* </pageflow-object>
* <pageflow-object id="action-call:@page:updateItems.jsp##action:cancelUpdate.do@">
*   <property value="South_1" name="fromPort" />
*   <property value="North_1" name="toPort" />
*   <property value="640,640,640,640" name="elbowsX" />
*   <property value="444,450,450,456" name="elbowsY" />
* </pageflow-object>
* <pageflow-object id="action-call:@page:updateItems.jsp##action:submitUpdate.do#tagSamples.n
*   <property value="West_1" name="fromPort" />
*   <property value="East_1" name="toPort" />
*   <property value="604,580,580,556" name="elbowsX" />
*   <property value="392,392,392,392" name="elbowsY" />
* </pageflow-object>
* <pageflow-object id="page:updateItems.jsp">
*   <property value="640" name="x" />
*   <property value="400" name="y" />
* </pageflow-object>
* <pageflow-object id="page:/error.jsp">
*   <property value="160" name="x" />
*   <property value="200" name="y" />
* </pageflow-object>
* <pageflow-object id="forward:path#grid#grid.jsp##action:begin.do@">
*   <property value="South_0" name="fromPort" />
*   <property value="North_0" name="toPort" />
*   <property value="grid" name="label" />
*   <property value="389,389,389,389" name="elbowsX" />
*   <property value="144,150,150,156" name="elbowsY" />
* </pageflow-object>
* <pageflow-object id="forward:path#insert#insertItems.jsp##action:insertItems.do#tagSamples.n
*   <property value="160,160,160,160" name="elbowsX" />
*   <property value="344,350,350,356" name="elbowsY" />
*   <property value="South_1" name="fromPort" />
*   <property value="North_1" name="toPort" />
```


navtagSamples.html Sample

```
*   <property value="insert" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#inserted#detailsItems.jsp#@action:submitInsert.do#tagSamples.n
*   <property value="316,340,340,364" name="elbowsX"/>
*   <property value="392,392,381,381" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_0" name="toPort"/>
*   <property value="inserted" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#canceled#begin.do#@action:cancelInsert.do@">
*   <property value="South_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="canceled" name="label"/>
*   <property value="160,80,80" name="elbowsX"/>
*   <property value="580,580,92" name="elbowsY"/>
* </pageflow-object>
* <pageflow-object id="forward:path#view#detailsItems.jsp#@action:detailsItems.do#tagSamples.n
*   <property value="400,400,400,400" name="elbowsX"/>
*   <property value="344,350,350,356" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="view" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#showGrid#begin.do#@action:showGrid.do@">
*   <property value="South_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="showGrid" name="label"/>
*   <property value="400,80,80" name="elbowsX"/>
*   <property value="580,580,92" name="elbowsY"/>
* </pageflow-object>
* <pageflow-object id="forward:path#update#updateItems.jsp#@action:updateItems.do#tagSamples.n
*   <property value="640,640,640,640" name="elbowsX"/>
*   <property value="344,350,350,356" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="update" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#updated#detailsItems.do#@action:submitUpdate.do#tagSamples
*   <property value="North_1" name="fromPort"/>
*   <property value="South_2" name="toPort"/>
*   <property value="updated" name="label"/>
*   <property value="520,520,411,411" name="elbowsX"/>
*   <property value="356,350,350,344" name="elbowsY"/>
* </pageflow-object>
* <pageflow-object id="forward:path#canceled#begin.do#@action:cancelUpdate.do@">
*   <property value="South_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="canceled" name="label"/>
*   <property value="640,80,80" name="elbowsX"/>
*   <property value="580,580,92" name="elbowsY"/>
* </pageflow-object>
* <pageflow-object id="forward:path#deleted#begin.do#@action:deleteItems.do#tagSamples.netui-d
*   <property value="South_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="deleted" name="label"/>
*   <property value="280,80,80" name="elbowsX"/>
*   <property value="580,580,92" name="elbowsY"/>
* </pageflow-object>
* <pageflow-object id="forward:path#page#grid.jsp#@action:pageAction.do@">
*   <property value="316,340,340,364" name="elbowsX"/>
*   <property value="192,192,181,181" name="elbowsY"/>
```


navtagSamples.html Sample

```

*   <property value="East_1" name="fromPort"/>
*   <property value="West_0" name="toPort"/>
*   <property value="page" name="label"/>
* </pageflow-object>
* <pageflow-object id="control:tagSamples.netui_databinding.grid.itemsrowsetcontrol.ItemsRowSe
*   <property value="28" name="x"/>
*   <property value="34" name="y"/>
* </pageflow-object>
* <pageflow-object id="formbeanprop:tagSamples.netui_databinding.grid.GridController.DatabaseF
* <pageflow-object id="formbeanprop:tagSamples.netui_databinding.grid.GridController.DatabaseF
* <pageflow-object id="formbeanprop:tagSamples.netui_databinding.grid.GridController.DatabaseF
* <pageflow-object id="formbeanprop:tagSamples.netui_databinding.grid.GridController.DatabaseF
* <pageflow-object id="formbean:tagSamples.netui_databinding.grid.GridController.DatabaseForm"
* </view-properties>
* ::
* @jpf:catch type="RowSetFormException" method="rowSetFormExceptionHandler"
* @jpf:catch type="java.sql.SQLException" method="sqlExceptionHandler"
* @jpf:catch type="java.lang.reflect.UndeclaredThrowableException" method="exceptionHandler"
* @jpf:catch type="RowIdentifierParseException" method="rowIdentifierParseExceptionHandler"
* @jpf:catch type="OptimisticConflictException" method="ocExceptionHandler"
*/
public class GridController extends PageFlowController
{
    /**
     * This is the control used to generate this pageflow
     * @common:control
     */
    private tagSamples.netui_databinding.grid.itemsrowsetcontrol.ItemsRowSetControl myControl;

    // Uncomment this declaration to access Global.app.
    //
    //     protected global.Global globalApp;
    //

    // For an example of page flow exception handling see the example "catch" and "exception-ha
    // annotations in {project}/WEB-INF/src/global/Global.app

    private transient RowSet allRows;
    private transient SortFilterService sortFilterService;
    private transient String gridName = "gridControllerGridName";
    private transient RowSet lastRowFetched;

    /**
     * This method represents the point of entry into the page group
     * @jpf:action
     * @jpf:forward name="grid" path="grid.jsp"
     * @jpf:catch method="exceptionHandler" type="java.lang.Exception"
     */
    public Forward begin()
        throws Exception
    {
        sortFilterService = SortFilterService.getInstance(getRequest());
        allRows = myControl.getAllItems(getSortFilterService().getDatabaseFilter(getGridName()))
        return new Forward("grid");
    }

    /**
     * @jpf:action
     * @jpf:forward name="insert" path="insertItems.jsp"

```


navtagSamples.html Sample

```
*/
public Forward insertItems(DatabaseForm form)
    throws Exception
{
    return new Forward("insert");
}

/**
 * @jpf:action
 * @jpf:forward name="inserted" path="detailsItems.jsp"
 */
public Forward submitInsert(DatabaseForm aDatabaseForm)
    throws Exception
{
    getSortFilterService().reset();
    RowSet row = myControl.detailsItemsTemplate();

    aDatabaseForm.applyInsertValuesToRowSet(row);
    RowSet var = myControl.insertItems(row);
    aDatabaseForm.applyValuesToForm(var);

    lastRowFetched = myControl.getInserted();
    DatabaseForm form = new DatabaseForm();
    form.applyValuesToForm(lastRowFetched);

    getSortFilterService().addRowIdentifier(getGridName(),"itemnumber", form.getItemnumber());

    return new Forward("inserted",form);
}

/**
 * @jpf:action
 * @jpf:forward name="canceled" path="begin.do"
 */
public Forward cancelInsert()
    throws Exception
{
    return new Forward("canceled");
}

/**
 * @jpf:action
 * @jpf:forward name="view" path="detailsItems.jsp"
 */
public Forward detailsItems(DatabaseForm form)
    throws Exception
{
    lastRowFetched = getCurrentRow();
    form.applyValuesToForm(lastRowFetched);

    return new Forward("view",form);
}

/**
 * @jpf:action
 * @jpf:forward name="showGrid" path="begin.do"
 */
public Forward showGrid()
    throws Exception
{

```


navtagSamples.html Sample

```
        return new Forward("showGrid");
    }

    /**
     * @jpf:action
     * @jpf:forward name="update" path="updateItems.jsp"
     */
    public Forward updateItems(DatabaseForm form)
        throws Exception
    {
        lastRowFetched = getCurrentRow();
        form.applyValuesToForm(lastRowFetched);

        return new Forward("update",form);
    }

    /**
     * @jpf:action
     * @jpf:forward name="updated" path="detailsItems.do"
     */
    public Forward submitUpdate(DatabaseForm aDatabaseForm)
        throws Exception
    {
        if(lastRowFetched == null)
        {
            System.err.println("There is no last row to manipulate.");
            return new Forward("updated");
        }
        getSortFilterService().reset();
        RowSet row = getLastRowFetched();

        aDatabaseForm.applyUpdateValuesToRowSet(row);
        RowSet var = myControl.updateItems(row);
        lastRowFetched = null;

        return new Forward("updated");
    }

    /**
     * @jpf:action
     * @jpf:forward name="canceled" path="begin.do"
     */
    public Forward cancelUpdate()
        throws Exception
    {
        return new Forward("canceled");
    }

    /**
     * @jpf:action
     * @jpf:forward name="deleted" path="begin.do"
     */
    public Forward deleteItems(DatabaseForm aDatabaseForm)
        throws Exception
    {
        getSortFilterService().reset();

        RowSet row = getLastRowFetched();

        if( row == null )
        {
```


navtagSamples.html Sample

```
        System.err.println("There is no last row to manipulate.");
        return new Forward("deleted");
    }
    row.absolute(1);
    row.deleteRow();

    lastRowFetched = null;

    myControl.deleteItems(row);
    return new Forward("deleted");
}

/**
 * @jpf:action
 * @jpf:forward name="page" path="grid.jsp"
 */
public Forward pageAction()
    throws Exception
{
    sortFilterService = SortFilterService.getInstance(getRequest());
    return new Forward("page");
}

//
// Utility methods
//

private RowSet getCurrentRow()
{
    String columnName = null;
    try
    {
        columnName = "itemnumber";
        Integer pk0 = new Integer(SortFilterService.decodeUniqueIdentifier(getRequest(), ge
        lastRowFetched = myControl.detailsItems(pk0);

        int rowCount = (( WLCachedRowSet ) lastRowFetched ).size();
        if(rowCount == 1)
            return lastRowFetched;
        else throw new IllegalStateException("The RowSet for the primary key is not valid")
    }
    catch(Exception e)
    {
        RowIdentifierParseException ripe =
            new RowIdentifierParseException
                ("An exception occurred parsing the row identifier " + columnName + " f
        throw ripe;
    }
}

protected RowSet getLastRowFetched()
    throws Exception
{
    String columnName = null;
    if(lastRowFetched != null)
    {
        columnName = "itemnumber";
        Integer pk0 = new Integer(SortFilterService.decodeUniqueIdentifier(getRequest(), ge
```



```

        lastRowFetched.absolute(1);

        if( pk0.equals(lastRowFetched.getObject("itemnumber")))
        {
            return lastRowFetched;
        }
        else
        {
            return getCurrentRow();
        }
    }
    else
    {
        return getCurrentRow();
    }
}

/**
 * @jpf:exception-handler
 * @jpf:forward name="errorPage" path="/error.jsp"
 */
protected Forward sqlExceptionHandler(SQLException ex,String actionName,String message,Form
{
    // log sql exception
    String displayMessage = "An exception occurred in the action " + actionName;
    getRequest().setAttribute("errorMessage", displayMessage);
    return new Forward("errorPage");
}

/**
 * @jpf:exception-handler
 * @jpf:forward name="errorPage" path="/error.jsp"
 */
protected Forward exceptionHandler(java.lang.Exception ex,String actionName,String message,
{
    // log general exception
    String displayMessage = "An exception occurred in the action " + actionName;
    getRequest().setAttribute("errorMessage", displayMessage);
    return new Forward("errorPage");
}

/**
 * @jpf:exception-handler
 * @jpf:forward name="errorPage" path="/error.jsp"
 */
protected Forward rowSetFormExceptionHandler(RowSetFormException ex,String actionName,Strin
{
    // log rowset exception
    String displayMessage = "An exception occurred in the action " + actionName;
    getRequest().setAttribute("errorMessage", displayMessage);
    return new Forward("errorPage");
}

/**
 * @jpf:exception-handler
 * @jpf:forward name="errorPage" path="/error.jsp"

```


navtagSamples.html Sample

```
*/
protected Forward rowIdentifierParseExceptionHandler(RowIdentifierParseException ex,String
{
    // log rowset exception
    String displayMessage = "An exception occurred in the action " + actionName;
    getRequest().setAttribute("errorMessage", displayMessage);
    return new Forward("errorPage");
}

/**
 * @jpf:exception-handler
 * @jpf:forward name="errorPage" path="/error.jsp"
 */
protected Forward ocExceptionHandler(OptimisticConflictException ex,String actionName,String
{
    // log optimistic concurrency exception
    String displayMessage = "A version conflict occurs when the underlying data in the data
    getRequest().setAttribute("errorMessage", displayMessage);
    return new Forward("errorPage");
}

public SortFilterService getSortFilterService()
{
    return sortFilterService;
}

protected void beforeAction()
{
    if(getSortFilterService() == null)
    {
        sortFilterService = SortFilterService.getInstance(getRequest());
    }

    sortFilterService.updateRowId(getRequest());
}

public String getGridName()
{
    return gridName;
}

public RowSet getAllRows()
{
    return allRows;
}

/**
 * Database form class
 * This class is tailored after the db control specified during generation
 */
public static class DatabaseForm extends RowSetForm
{
    public DatabaseForm()
    {

```


navtagSamples.html Sample

```
        super();
    }

    private Integer itemnumber;
    private String itemname;
    private Integer quantityavailable;
    private Double price;

    public Integer getItemnumber()
    {
        return itemnumber;
    }

    public void setItemnumber(Integer newOne)
    {
        registerChange("itemnumber");
        this.itemnumber = newOne;
    }

    public String getItemname()
    {
        return itemname;
    }

    public void setItemname(String newOne)
    {
        registerChange("itemname");
        this.itemname = newOne;
    }

    public Integer getQuantityavailable()
    {
        return quantityavailable;
    }

    public void setQuantityavailable(Integer newOne)
    {
        registerChange("quantityavailable");
        this.quantityavailable = newOne;
    }

    public Double getPrice()
    {
        return price;
    }

    public void setPrice(Double newOne)
    {
        registerChange("price");
        this.price = newOne;
    }
}
}
```


InsertItems.jsp Sample

This topic includes the source code for the InsertItems.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/grid/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui-template:template templatePage="/resources/jsp/template.jsp">
    <netui-template:setAttribute value="ItemsRowSetControl - Insert View" name="title"/>
    <netui-template:section name="bodySection">
        <blockquote>
            <span class="pagehead">
                <netui:label value="ItemsRowSetControl - Insert View"/>
            </span>
            <br/>
            <netui:form action="submitInsert">
                <netui:parameterMap map="{pageFlow.sortFilterService.rowIdQueryParamsMap}"/>
                <table>
                    <tr class="tablebody">
                        <td>Itemname:</td>
                        <td>
                            <netui:textBox dataSource="{actionForm.itemname}"/>
                        </td>
                    </tr>
                    <tr class="tablebody">
                        <td>Quantityavailable:</td>
                        <td>
                            <netui:textBox dataSource="{actionForm.quantityavailable}"/>
                        </td>
                    </tr>
                    <tr class="tablebody">
                        <td>Price:</td>
                        <td>
                            <netui:textBox dataSource="{actionForm.price}"/>
                        </td>
                    </tr>
                </table>
                <br/>
                <netui:imageButton src='<%=request.getContextPath() + "/resources/images/insert.gif" %>' />
                <netui:imageAnchor action="cancelInsert" border="0" src='<%=request.getContextPath() + "/resources/images/cancel.gif" %>' />
                <netui:parameterMap map="{pageFlow.sortFilterService.queryParamsMap}"/>
            </netui:form>
        </blockquote>
    </netui-template:section>
</netui-template:template>
```


itemsrowsetcontrol Samples

This section contains source code for the following samples.

Samples Included in This Section

ItemsRowSetControl.jcx Sample

ItemsRowSetControl.jcx Sample

This topic includes the source code for the ItemsRowSetControl.jcx Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/grid/itemsrowsetcontrol

Sample Source Code

```
package tagSamples.netui_databinding.grid.itemsrowsetcontrol;
import java.sql.SQLException;
import javax.sql.RowSet;
import com.bea.control.DatabaseControl;
import com.bea.control.DatabaseFilter;
import com.bea.control.ControlExtension;

/**
 * @jc:connection data-source-jndi-name="cgDataSource"
 * @common:schema file="#rowset-schemas" inline="true"
 * @common:define name="rowset-schemas" value::
 *   <xsd:schema targetNamespace="java:///itemsrowsetcontrol" xmlns="java:///itemsrowsetcontrol"
 *   <xsd:element name="ITEMSRowSet" wld:DefaultNamespace="java:///itemsrowsetcontrol" wld:RootElementName="ITEMSRowSet"
 *   <xsd:complexType>
 *     <xsd:choice maxOccurs="unbounded">
 *       <xsd:element name="ITEMSRow" wld:DatabaseProductName="PointBase">
 *         <xsd:complexType>
 *           <xsd:sequence>
 *             <xsd:element name="ITEMNUMBER" type="xsd:int" wld:JDBCType="INTEGER" minOccurs="0" maxOccurs="1"/>
 *             </xsd:element>
 *             <xsd:element name="ITEMNAME" type="xsd:string" wld:JDBCType="VARCHAR" minOccurs="0" maxOccurs="1"/>
 *             </xsd:element>
 *             <xsd:element name="QUANTITYAVAILABLE" type="xsd:int" wld:JDBCType="INTEGER" minOccurs="0" maxOccurs="1"/>
 *             </xsd:element>
 *             <xsd:element name="PRICE" type="xsd:double" wld:JDBCType="DOUBLE" minOccurs="0" maxOccurs="1"/>
 *             </xsd:element>
 *           </xsd:sequence>
 *           <xsd:anyAttribute namespace="http://www.bea.com/2002/10/weblogicdata" processContents="lax"/>
 *         </xsd:complexType>
 *       </xsd:element>
 *     </xsd:choice>
 *   </xsd:complexType>
 * </xsd:element>
 * </xsd:schema>::
 */
public interface ItemsRowSetControl extends ControlExtension, DatabaseControl
{
    /** Disable default Java serialization */
    public final static long serialVersionUID = 1L;

    /**
     * @jc:sql command-type="grid"
     *   rowset-name="ITEMSRowSet"
     */
}
```


navtagSamples.html Sample

```
*    max-rows="1000"
*    statement::
*    SELECT ITEMNUMBER,ITEMNAME,QUANTITYAVAILABLE,PRICE FROM WEBLOGIC.ITEMS {sql: filter.ge
*    ::
*/
public RowSet getAllItems(DatabaseFilter filter)
    throws SQLException;

/**
 * @jc:sql command-type="detail"
 *    rowset-name="ITEMSRowSet"
 *    statement::
 *    SELECT ITEMNUMBER,ITEMNAME,QUANTITYAVAILABLE,PRICE FROM WEBLOGIC.ITEMS WHERE ITEMNUMBE
 *    ::
 */
public RowSet detailsItems(Integer x)
    throws SQLException;

/**
 * @jc:sql command-type="update"
 *    rowset-name="ITEMSRowSet"
 */
public RowSet updateItems(RowSet changedRs)
    throws SQLException;

/**
 * @jc:sql command-type="delete"
 *    rowset-name="ITEMSRowSet"
 */
public void deleteItems(RowSet oldRs)
    throws SQLException;

/**
 * @jc:sql command-type="templateRow"
 *    rowset-name="ITEMSRowSet"
 */
public RowSet detailsItemsTemplate()
    throws SQLException;

/**
 * @jc:sql command-type="insert"
 *    rowset-name="ITEMSRowSet"
 */
public RowSet insertItems(RowSet changedRs)
    throws SQLException;

/**
 * @jc:sql command-type="insertedRow"
 *    rowset-name="ITEMSRowSet"
 *    statement::
 *    SELECT ITEMNUMBER,ITEMNAME,QUANTITYAVAILABLE,PRICE FROM WEBLOGIC.ITEMS WHERE ITEMNUMBE
 *    ::
 */
public RowSet getInserted()
    throws SQLException;
}
```


UpdateItems.jsp Sample

This topic includes the source code for the UpdateItems.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/grid/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
    <%
        response.setHeader( "Pragma", "No-cache" );
        response.setHeader( "Cache-Control", "no-cache" );
        response.setHeader( "Expires", "1" );
    %>
<netui-template:template templatePage="/resources/jsp/template.jsp">
    <netui-template:setAttribute value="ItemsRowSetControl - Edit View" name="title"/>
    <netui-template:section name="bodySection">
        <blockquote>
            <span class="pagehead">
                <netui:label value="ItemsRowSetControl - Edit View"/>
            </span>
            <br/>
            <netui:form action="submitUpdate">
                <netui:parameterMap map="{pageFlow.sortFilterService.rowIdQueryParamsMap}"/>
                <table>
                    <tr class="tablebody">
                        <td>Itemnumber:</td>
                        <td>
                            <netui:content value="{actionForm.itemnumber}"/>
                        </td>
                    </tr>
                    <tr class="tablebody">
                        <td>Itemname:</td>
                        <td>
                            <netui:textBox dataSource="{actionForm.itemname}"/>
                        </td>
                    </tr>
                    <tr class="tablebody">
                        <td>Quantityavailable:</td>
                        <td>
                            <netui:textBox dataSource="{actionForm.quantityavailable}"/>
                        </td>
                    </tr>
                    <tr class="tablebody">
                        <td>Price:</td>
                        <td>
                            <netui:textBox dataSource="{actionForm.price}"/>
                        </td>
                    </tr>
                </table>
            </netui:form>
        </blockquote>
    </netui-template:section>
</netui-template:template>
```



```
<br/>
<netui:imageButton src='<%=request.getContextPath() + "/resources/images/update.gif"' />
    &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~
    <netui:imageAnchor action="cancelUpdate" border="0" src='<%=request.getContextPath() + "/resources/images/cancel.png"' />
        <netui:parameterMap map="{pageFlow.sortFilterService.queryParamsMap}" />
    </netui:imageAnchor>
</netui:form>
</blockquote>
</netui-template:section>
</netui-template:template>
```


message Samples

This section contains source code for the following samples.

Samples Included in This Section

Index.jsp Sample

MessageController.jspf Sample

Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/message/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      index.jsp
    </title>
    <link href="../../resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <h3>Message Tag Sample</h3>
    <blockquote>
      <%
        pageContext.setAttribute("msgSkeleton", new String("Hello {0}. {1} {2}, the cur
      %>
      <netui-data:message value="{pageContext.msgSkeleton}" resultId="message">
        <netui-data:messageArg value="Mr"/>
        <netui-data:messageArg value="John"/>
        <netui-data:messageArg value="Smith"/>
        <netui-data:messageArg value="{pageFlow.currTime}"/>
      </netui-data:message>

      <p>The following message was produced out of a message schema:

      <ul><li>"Hello _____. _____, the time and date are _____. "</li></ul>

      <p>and four parameters:

      <ul>
        <li>Mr</li>
        <li>John</li>
        <li>Smith</li>
        <li>[the current date and time]</li>
      </ul>

      <p>&nbsp;<br>
      <p><netui:label style="font-size:s;" value="{pageContext.message}"/>
    </blockquote>
    <hr>
    <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples<
  </body>
</netui:html>
```


MessageController.jpf Sample

This topic includes the source code for the MessageController.jpf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/message/

Sample Source Code

```
package tagSamples.netui_databinding.message;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;
import java.util.Date;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties:
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui_databinding/message/MessageController.jpf"/>
 * <pageflow-object id="page:index.jsp">
 *   <property value="240" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
 *   <property value="116,160,160,204" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 *   <property value="success" name="label"/>
 * </pageflow-object>
 * </view-properties>
 * ::
 */
public class MessageController extends PageFlowController
{
    public Date currTime = new Date();

    /**
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin()
    {
        return new Forward("success");
    }
}
```


pad Samples

This section contains source code for the following samples.

Samples Included in This Section

Index.jsp Sample

PadController.jspf Sample

Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/pad/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      index.jsp
    </title>
    <link href="../../resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <h3>Pad Tag Sample</h3>
    <blockquote>
      The following lists use a <netui-data:pad> tag to control the number of elements
      that are rendered. There are eight iterations over each list, regardless of
      the actual size of each list. When the actual list runs out of elements, the word
      "undefined" is output.
    <!-- iterates over the Array elements, which are Vectors -->
    <netui-data:repeater dataSource="{pageFlow.vecArr}">
      <hr>
      <!-- iterates over the Vector elements, which are Strings -->
      <netui-data:repeater dataSource="{container.item}">
        <!-- Requires that there are 8 iterations, regardless of the size of Vector -->
        <netui-data:pad minRepeat="8" padText="undefined<br>"/>
        <netui-data:repeaterItem>
          <!-- Prints out the individual Strings.
          Note that the two occurrences of "{container.item}" in this sample are
          the first occurrence refers to the individual Vectors in the Vector[]
          the second refers to the individual elements within a Vector. -->
          <netui:label value="{container.item}" />
          <br>
        </netui-data:repeaterItem>
      </netui-data:repeater>
    </netui-data:repeater>
  </blockquote>
  <hr>
  <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples</netui:anchor>
</body>
</netui:html>
```


PadController.jspf Sample

This topic includes the source code for the PadController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/pad/

Sample Source Code

```
package tagSamples.netui_databinding.pad;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;
import java.util.List;
import java.util.Vector;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui_databinding/pad/PadController.jspf"/>
 * <pageflow-object id="page:index.jsp">
 *   <property value="240" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
 *   <property value="116,160,160,204" name="elbowsX"/>
 *   <property value="92,92,92,92" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>
 *   <property value="West_1" name="toPort"/>
 *   <property value="success" name="label"/>
 * </pageflow-object>
 * </view-properties>
 * ::
 */
public class PadController extends PageFlowController
{
    public Vector[] vecArr = new Vector[3];

    /**
     * Fills the Vector[] object with content.
     */
    protected void onCreate()
    {
        Vector vec1 = new Vector();
        vec1.add("apple");
        vec1.add("orange");
        vec1.add("banana");
        vec1.add("kiwi");
        vec1.add("pear");
    }
}
```



```

Vector vec2 = new Vector();
vec2.add("Mercury");
vec2.add("Venus");
vec2.add("Earth");
vec2.add("Mars");
vec2.add("Jupiter");

Vector vec3 = new Vector();
vec3.add("North America");
vec3.add("South America");
vec3.add("Europe");
vec3.add("Asia");
vec3.add("Australia");
vec3.add("Antarctica");

vecArr[0] = vec1;
vecArr[1] = vec2;
vecArr[2] = vec3;
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="index.jsp"
 */
protected Forward begin()
{
    return new Forward("success");
}
}

```


repeater Samples

This section contains source code for the following samples.

Samples Included in This Section

ArrayList.jsp Sample

ComplexJavaObj.jsp Sample

data Samples

Index.jsp Sample

Nested.jsp Sample

RepeaterController.jspf Sample

RowSet.jsp Sample

String.jsp Sample

StringArray.jsp Sample

Vector.jsp Sample

XMLBean.jsp Sample

XMLString.jsp Sample

ArrayList.jsp Sample

This topic includes the source code for the ArrayList.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/repeater/

Sample Source Code

```
<!--Generated by Weblogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<html>
  <head>
    <title>
      repeaterTag/arrayList.jsp
    </title>
    <netui:base/>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <p><b>An ArrayList rendered in an HTML table</b></p>
    <p><netui-data:callPageFlow method="getArrayList" resultId="arrayList"/>
    <netui-data:repeater dataSource="{pageFlow.arrayList}">
      <netui-data:repeaterHeader>
        <table border="1">
          <tr>
            <td><b>index</b></td>
            <td><b>name</b></td>
          </tr>
        </table>
      </netui-data:repeaterHeader>
      <netui-data:repeaterItem>
        <tr>
          <td>
            <netui:label value="{container.index}" />
          </td>
          <td>
            <netui:label value="{container.item}" />
          </td>
        </tr>
      </netui-data:repeaterItem>
      <netui-data:repeaterFooter>
        </table>
      </netui-data:repeaterFooter>
    </netui-data:repeater>
    <p><a href="index.jsp">Back to Repeater Samples Home</a>
  </body>
</html>
```


ComplexJavaObj.jsp Sample

This topic includes the source code for the ComplexJavaObj.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/repeater/

Sample Source Code

<!--

This page shows to nest one repeater tag within another.

Note that the XScript expression {container.item} means two different things in the outer and inner tables. In the outer table {container.item} refers to the individual Order objects; in the inner table {contain.item} refers to the individual OrderItems within each Order.

-->

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<html>
  <head>
    <title>
      repeaterTag/nested.jsp
    </title>
    <netui:base/>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <netui-data:callPageFlow method="getComplexJavaObject" resultId="order"/>
    <netui-data:repeater dataSource="{pageContext.order}">
      <netui-data:repeaterHeader>
        <p><b>A complex Java Object rendered in nested HTML tables</b></p>
        <p><table border="1" bgcolor="#ccffff">
          <tr>
            <td><b>Order ID</b></td>
            <td><b>Store ID</b></td>
            <td><b>Total Price</b></td>
            <td><b>Weight</b></td>
            <td><b>Order Items</b></td>
            <td><b>Tracking ID</b></td>
          </tr>
        </netui-data:repeaterHeader>
        <netui-data:repeaterItem>
          <tr>
            <td>
              <netui:label value="{container.item.orderID}" />
            </td>
            <td>
              <netui:label value="{container.item.storeID}" />
            </td>
            <td>
```


navtagSamples.html Sample

```
<netui:label value="{container.item.value}" />
</td>
<td>
    <netui:label value="{container.item.weight}" />
</td>
<td>
    <netui-data:repeater dataSource="{container.item.orderItems}">
        <netui-data:repeaterHeader>
            <table border="1" bgcolor="#ffcccc" style="font-size:8pt;">
                <tr>
                    <td><b>Name</b></td>
                    <td><b>Price</b></td>
                    <td><b>Quantity</b></td>
                </tr>
            </netui-data:repeaterHeader>
            <netui-data:repeaterItem>
                <tr>
                    <td><netui:label value="{container.item.itemName}" /></td>
                    <td><netui:label value="{container.item.itemPrice}" /></td>
                    <td><netui:label value="{container.item.itemQuantity}" /></td>
                </tr>
            </netui-data:repeaterItem>
            <netui-data:repeaterFooter>
            </table>
            </netui-data:repeaterFooter>
        </netui-data:repeater>
    </td>
<td>
        <netui:label value="{container.item.trackingID}" />
    </td>
</tr>
</netui-data:repeaterItem>
<netui-data:repeaterFooter>
</table>
</netui-data:repeaterFooter>
</netui-data:repeater>
<p><a href="index.jsp">Back to Repeater Samples Home</a>
</body>
</html>
```


data Samples

This section contains source code for the following samples.

Samples Included in This Section

Items.jcx Sample

ItemsRowSetControl.jcx Sample

Order.java Sample

OrderItem.java Sample

PurchaseOrder.xml Sample

Items.jcx Sample

This topic includes the source code for the Items.jcx Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/repeater/data/

Sample Source Code

```
package tagSamples.netui_databinding.repeater.data;

import com.bea.control.*;
import java.sql.SQLException;
import org.openuri.dbcontrol.xmlbean.ItemType;
import org.openuri.dbcontrol.xmlbean.ItemsArrayDocument;

/**
 * This database control returns XMLBean types based on the schema ItemsArray.xsd.
 *
 * See the the Schemas folder for the schema file ItemsArray.xsd and
 * its associated XMLBean types.
 *
 * @jc:connection data-source-jndi-name="cgSampleDataSource"
 */
public interface Items extends DatabaseControl, com.bea.control.ControlExtension
{

    static final long serialVersionUID = 1L;

    /**
     * @jc:sql statement="SELECT * FROM ITEMS"
     */
    ItemType[] getAllItems() throws SQLException;

    /**
     * @jc:sql statement="SELECT * FROM ITEMS WHERE ITEMNUMBER = {itemNumber}"
     */
    ItemType getIndividualItem(int itemNumber) throws SQLException;

}
```


ItemsRowSetControl.jcx Sample

This topic includes the source code for the ItemsRowSetControl.jcx Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/repeater/data/

Sample Source Code

```
// -----
//  Generated by WebLogic Workshop
//
//  Created on: Wed Jul 30 13:36:21 PDT 2003
//  By: steveh
// -----
package tagSamples.netui_databinding.repeater.data;
import java.sql.SQLException;
import javax.sql.RowSet;
import com.bea.control.DatabaseControl;
import com.bea.control.DatabaseFilter;
import com.bea.control.ControlExtension;

/**
 * @jc:connection data-source-jndi-name="cgDataSource"
 * @common:schema file="#rowset-schemas" inline="true"
 * @common:define name="rowset-schemas" value::
 *   <xsd:schema targetNamespace="java:///repeaterTag.data" xmlns="java:///repeaterTag.data" x
 *   <xsd:element name="ITEMSRowSet" wld:DefaultNamespace="java:///repeaterTag.data" wld:RowS
 *   <xsd:complexType>
 *     <xsd:choice maxOccurs="unbounded">
 *       <xsd:element name="ITEMSRow" wld:DatabaseProductName="PointBase">
 *         <xsd:complexType>
 *           <xsd:sequence>
 *             <xsd:element name="ITEMNUMBER" type="xsd:int" wld:JDBCType="INTEGER" minOccurs="0"
 *             </xsd:element>
 *             <xsd:element name="ITEMNAME" type="xsd:string" wld:JDBCType="VARCHAR" minOccurs="0"
 *             </xsd:element>
 *             <xsd:element name="QUANTITYAVAILABLE" type="xsd:int" wld:JDBCType="INTEGER" minOcc
 *             </xsd:element>
 *             <xsd:element name="PRICE" type="xsd:double" wld:JDBCType="DOUBLE" minOccurs="0" wl
 *             </xsd:element>
 *           </xsd:sequence>
 *           <xsd:anyAttribute namespace="http://www.bea.com/2002/10/weblogicdata" processConten
 *           </xsd:anyAttribute>
 *         </xsd:complexType>
 *       </xsd:element>
 *     </xsd:choice>
 *   </xsd:complexType>
 * </xsd:element>
 * </xsd:schema>::
 *
 */
public interface ItemsRowSetControl extends ControlExtension, DatabaseControl
{
```


navtagSamples.html Sample

```
/** Disable default Java serialization */
public final static long serialVersionUID = 1L;

/**
 * @jc:sql command-type="grid"
 *   rowset-name="ITEMSRowSet"
 *   max-rows="1000"
 *   statement::
 *     SELECT ITEMNUMBER,ITEMNAME,QUANTITYAVAILABLE,PRICE FROM WEBLOGIC.ITEMS {sql: filter.ge
 *   ::
 */
public RowSet getAllItems( DatabaseFilter filter )
    throws SQLException;

/**
 * @jc:sql command-type="detail"
 *   rowset-name="ITEMSRowSet"
 *   statement::
 *     SELECT ITEMNUMBER,ITEMNAME,QUANTITYAVAILABLE,PRICE FROM WEBLOGIC.ITEMS WHERE ITEMNUMBE
 *   ::
 */
public RowSet detailsItems( Integer x )
    throws SQLException;

/**
 * @jc:sql command-type="update"
 *   rowset-name="ITEMSRowSet"
 */
public RowSet updateItems( RowSet changedRs )
    throws SQLException;

/**
 * @jc:sql command-type="delete"
 *   rowset-name="ITEMSRowSet"
 */
public void deleteItems( RowSet oldRs )
    throws SQLException;

/**
 * @jc:sql command-type="templateRow"
 *   rowset-name="ITEMSRowSet"
 */
public RowSet detailsItemsTemplate()
    throws SQLException;

/**
 * @jc:sql command-type="insert"
 *   rowset-name="ITEMSRowSet"
 */
public RowSet insertItems( RowSet changedRs )
    throws SQLException;

/**
 * @jc:sql command-type="insertedRow"
 *   rowset-name="ITEMSRowSet"
 *   statement::
 *     SELECT ITEMNUMBER,ITEMNAME,QUANTITYAVAILABLE,PRICE FROM WEBLOGIC.ITEMS WHERE ITEMNUMBE
 *   ::
 */
public RowSet getInserted()
    throws SQLException;
```


}

Order.java Sample

This topic includes the source code for the Order.java Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/repeater/data/

Sample Source Code

```
package tagSamples.netui_databinding.repeater.data;

import java.io.Serializable;

public class Order implements Serializable
{
    public int orderID;
    public String storeID;
    public double value;
    public int weight;
    public OrderItem[] orderItems;
    public String trackingID;

    public Order() {}

    public Order(int orderID, String storeID, double value, int weight,
        OrderItem[] orderItems, String trackingID)
    {
        this.orderID = orderID;
        this.storeID = storeID;
        this.value = this.calculateValue(orderItems);
        this.weight = this.calculateWeight(orderItems);
        this.orderItems = orderItems;
        this.trackingID = trackingID;
    }

    public double calculateValue(OrderItem[] orderItems)
    {
        value = 0.0;
        for (int i = 0; i < orderItems.length; i++)
        {
            value += orderItems[i].itemQuantity * orderItems[i].itemPrice;
        }
        return value;
    }

    public int calculateWeight(OrderItem[] orderItems) {
        weight = 0;
        for (int i = 0; i < orderItems.length; i++) {
            weight += orderItems[i].itemQuantity * 2;
        }
        return weight;
    }
}
```


OrderItem.java Sample

This topic includes the source code for the OrderItem.java Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/repeater/data/

Sample Source Code

```
package tagSamples.netui_databinding.repeater.data;

import java.io.Serializable;

public class OrderItem implements Serializable
{
    public String itemName;
    public double itemPrice;
    public int itemQuantity;

    public OrderItem() {}

    public OrderItem(String itemName, double itemPrice, int itemQuantity)
    {
        this.itemName = itemName;
        this.itemPrice = itemPrice;
        this.itemQuantity = itemQuantity;
    }
}
```


PurchaseOrder.xml Sample

This topic includes the source code for the PurchaseOrder.xml Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/repeater/data/

Sample Source Code

```
<batchWidgetOrder batchID="3DJ" xmlns="http://www.openuri.org/">
  <order id="13">
    <storeID>ABCD</storeID>
    <shipTo>
      <name>Carl</name>
      <address>1 A St.</address>
      <city>Seattle</city>
      <state>WA</state>
      <zip>98104</zip>
    </shipTo>
    <billTo>
      <name>Bob</name>
      <address>1 A St.</address>
      <city>Seattle</city>
      <state>WA</state>
      <zip>98104</zip>
    </billTo>
    <orderItems>
      <item id="34K">
        <name>Big Widget</name>
        <price decimal="2">23233</price>
        <quantity>5</quantity>
      </item>
      <item id="3d4K">
        <name>S Widget</name>
        <price decimal="2">16995</price>
        <quantity>8</quantity>
      </item>
    </orderItems>
  </order>
  <order id="46">
    <storeID>WXYZ</storeID>
    <shipTo>
      <name>Bob</name>
      <address>123 B</address>
      <city>Boston</city>
      <state>MA</state>
      <zip>02138</zip>
    </shipTo>
    <billTo>
      <name>Bob</name>
      <address>123 A</address>
      <city>Boston</city>
      <state>MA</state>
      <zip>02138</zip>
```


navtagSamples.html Sample

```
</billTo>
<orderItems>
  <item id="3D">
    <name>BWidget</name>
    <price decimal="2">199</price>
    <quantity>3</quantity>
  </item>
</orderItems>
</order>
</batchWidgetOrder>
```


Index.jsp Sample

This topic includes the source code for the Index.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/repeater/

Sample Source Code

```
<!--Generated by Weblogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<html>
  <head>
    <title>
      repeaterTag/index.jsp
    </title>
  <netui:base/>
</head>
<body>
  <jsp:include page="/resources/jsp/header.jsp"/>
  <h3>Repeater Tag Sample</h3>
  <blockquote>
    <p>This sample demonstrates the variety of data types that can be rendered by the
    <netui-data:repeater> tag.

    <p>The following data types (among others) are supported by the <netui-data:repeater>

    <ul>
      <li><a href="string.jsp">A String</a></li>
      <li><a href="stringArray.jsp">An array of Strings</a></li>
      <li><a href="arrayList.jsp">An ArrayList</a></li>
      <li><a href="vector.jsp">A Vector</a></li>
      <li><a href="rowSet.jsp">A RowSet</a> (<b>Note:</b> RowSets are also supported by t
      <li><a href="complexJavaObj.jsp">A Complex Java Object</a></li>
      <li><a href="XMLString.jsp">An XMLString</a></li>
      <li><a href="XMLBean.jsp">An XMLBean</a></li>
      <li><a href="nested.jsp">Nested <netui-data:repeater> tags render a multidimensi
    </ul>
  </blockquote>
  <hr>
  <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jspf">Return to Tag Samples<
</body>
</html>
```


Nested.jsp Sample

This topic includes the source code for the Nested.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/repeater/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      nested.jsp
    </title>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>

    <%
      String[][] multiDimArr = {
        { "1", "2", "3", "4", "5" },
        { "a", "b", "c", "d", "e" },
        { "!", "@", "#", "$", "%" },
        { "A", "B", "C", "D", "E" }
      };
      pageContext.setAttribute("multiDimArr", multiDimArr);
    %>

    <p><b>A multi-dimensional Array rendered as an HTML table.</b>
    <p>
    <table border="1">
    <netui-data:repeater dataSource="{pageContext.multiDimArr}">
      <tr>
        <netui-data:repeater dataSource="{container.item}">
          <td><netui:label value="{container.item}" /></td>
        </netui-data:repeater>
      </tr>
    </netui-data:repeater>
    </table>

    <p><a href="index.jsp">Back to Repeater Samples Home</a>
  </body>
</netui:html>
```


RepeaterController.jpf Sample

This topic includes the source code for the RepeaterController.jpf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/repeater/

Sample Source Code

```
package tagSamples.netui_databinding.repeater;

import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;

import java.util.ArrayList;
import java.util.Vector;
import java.io.Serializable;
import java.sql.SQLException;
import javax.sql.RowSet;
import tagSamples.netui_databinding.repeater.data.Order;
import tagSamples.netui_databinding.repeater.data.OrderItem;
import com.bea.xml.XmlException;
import java.io.File;
import java.io.IOException;
import com.bea.wlw.netui.util.XMLString;
import org.openuri.dbcontrol.xmlbean.ItemType;
import weblogic.jws.control.DatabaseFilter;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/netui_databinding/repeater/repeaterController.jpf">
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="240" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:arrayList.jsp">
 *   <property value="60" name="x"/>
 *   <property value="300" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:complexJavaObj.jsp">
 *   <property value="360" name="x"/>
 *   <property value="300" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="page:nested.jsp">
 *   <property value="460" name="x"/>
 *   <property value="300" name="y"/>
 * </pageflow-object>
```


navtagSamples.html Sample

```

* <pageflow-object id="page:rowSet.jsp">
*   <property value="60" name="x"/>
*   <property value="220" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:string.jsp">
*   <property value="160" name="x"/>
*   <property value="220" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:stringArray.jsp">
*   <property value="160" name="x"/>
*   <property value="300" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:vector.jsp">
*   <property value="260" name="x"/>
*   <property value="220" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:XMLBean.jsp">
*   <property value="260" name="x"/>
*   <property value="300" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:XMLString.jsp">
*   <property value="360" name="x"/>
*   <property value="220" name="y"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
*   <property value="116,160,160,204" name="elbowsX"/>
*   <property value="92,92,92,92" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="control:tagSamples.netui_databinding.repeater.data.Items#itemsControl">
*   <property value="35" name="x"/>
*   <property value="34" name="y"/>
* </pageflow-object>
* <pageflow-object id="control:tagSamples.netui_databinding.repeater.data.ItemsRowSetControl#i
*   <property value="26" name="x"/>
*   <property value="34" name="y"/>
* </pageflow-object>
* </view-properties>
* ::
*/
public class repeaterController extends PageFlowController
{
    /**
     * @common:control
     */
    public tagSamples.netui_databinding.repeater.data.Items itemsControl;

    /**
     * @common:control
     */
    public tagSamples.netui_databinding.repeater.data.ItemsRowSetControl itemsRS;

    /**
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin()
        throws SQLException
    {

```


navtagSamples.html Sample

```
initArrayList();
initVector();
initComplexJavaObject();
initXMLStr();
initXMLBean();
return new Forward( "success" );
}

/**
 * This String is displayed on string.jsp.
 */
public String strName = "Joe";

/**
 * This array of String is displayed on stringArray.jsp.
 */
public String[] strArr = {"Joe", "Jane", "John", "Mary", "Jason", "Kim"};

public ArrayList arrList = new ArrayList();

public Vector vec = new Vector();

public ArrayList complexJavaObj = new ArrayList();

public XMLString xmlstring;

public org.openuri.dbcontrol.xmlbean.ItemType[] xmlbean;

public void initArrayList()
{
    arrList.clear();
    {
        for(int i = 0; i < strArr.length; i++)
        {
            arrList.add(i, strArr[i]);
        }
    }
}

/**
 * This ArrayList returned by this method is displayed on arrayList.jsp.
 */
public ArrayList getArrayList()
{
    return arrList;
}

public void initVector()
{
    vec.clear();
    for(int i = 0; i < strArr.length; i++)
    {
        vec.add(i, strArr[i]);
    }
}

/**
 * The Vector returned by this method is displayed on vector.jsp
 */
public Vector getVector()
{
```


navtagSamples.html Sample

```

        return vec;
    }

    /**
     * The RowSet returned by this method is displayed on rowSet.jsp.
     */
    public RowSet getRowSet()
        throws Exception
    {
        DatabaseFilter filt = new DatabaseFilter();
        RowSet itemsResults;
        itemsResults = itemsRS.getAllItems(filt);
        return itemsResults;
    }

    /**
     * The complex Java object returned by this method is displayed on complexJavaObject.jsp
     */
    public void initComplexJavaObject()
    {
        OrderItem ordItem1 = new OrderItem("Pencil", 11.11, 1);
        OrderItem ordItem2 = new OrderItem("Pen", 22.22, 2);
        OrderItem ordItem3 = new OrderItem("Screwdriver", 33.33, 3);
        OrderItem ordItem4 = new OrderItem("Hammer", 44.44, 4);
        OrderItem ordItem5 = new OrderItem("Blue Suede Shoes", 55.55, 5);
        OrderItem ordItem6 = new OrderItem("Beach Sandels", 66.66, 6);
        OrderItem ordItem7 = new OrderItem("Clogs", 77.77, 7);

        complexJavaObj.add(new Order(111, "Kay's Mart", 11.11, 11, new OrderItem[] {ordItem1, c
        complexJavaObj.add(new Order(222, "Wally's Mart", 22.22, 22, new OrderItem[] {ordItem3,
        complexJavaObj.add(new Order(333, "Bill's Shoes", 33.33, 33, new OrderItem[] {ordItem5,

        //return complexJavaObj;
    }

    public ArrayList getComplexJavaObject()
    {
        return complexJavaObj;
    }

    public XMLString initXMLStr()
    {
        xmlstring = new XMLString(
            "<employees>" +
            "<employee title=\"CEO\"><first>Mary</first><last>Smith</la
            "<employee title=\"President\"><first>Mark</first><last>Jon
            "<employee title=\"Vice President\"><first>Matt</first><las
            "<employee title=\"Salesperson\"><first>John</first><last>D
            "<employee title=\"Office Manager\"><first>Jane</first><las
            "</employees>"
        );

        return xmlstring;
    }

    public XMLString getXMLStr()
    {
        return xmlstring;
    }

    public void initXMLBean()

```


navtagSamples.html Sample

```
        throws SQLException
    {
        xmlbean = itemsControl.getAllItems();
    }

    /*
     * The XMLBean returned by this method is displayed on XMLBean.jsp
     */
    public ItemType[] getXMLBean()
    {
        return xmlbean;
    }

    public ItemType[] getAllItemsBean()
        throws SQLException
    {
        return itemsControl.getAllItems();
    }
}
```


RowSet.jsp Sample

This topic includes the source code for the RowSet.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/repeater/

Sample Source Code

```
<!--Generated by Weblogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<html>
  <head>
    <title>
      repeaterTag/rowSet.jsp
    </title>
    <netui:base/>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <p><b>A RowSet rendered in an HTML table</b></p>
    <p><netui-data:callPageFlow method="getRowSet" resultId="rowset"/>
    <netui-data:repeater dataSource="{pageContext.rowset}">
      <netui-data:repeaterHeader>
        <table border="1">
          <tr bgcolor="#ccccff">
            <td><b>Item Number</b></td>
            <td><b>Item Name</b></td>
            <td><b>Quantity Available</b></td>
            <td><b>Price</b></td>
          </tr>
        </netui-data:repeaterHeader>
        <netui-data:repeaterItem>
          <tr>
            <td>
              <netui:label value="{container.item.itemnumber}" />
            </td>
            <td>
              <netui:label value="{container.item.itemname}" />
            </td>
            <td>
              <netui:label value="{container.item.quantityavailable}" />
            </td>
            <td>
              <netui:label value="{container.item.price}">
                <netui:formatNumber type="currency"/>
              </netui:label>
            </td>
          </tr>
        </netui-data:repeaterItem>
        <netui-data:repeaterFooter>
```


navtagSamples.html Sample

```
        </table>
    </netui-data:repeaterFooter>
</netui-data:repeater>
    <p><a href="index.jsp">Back to Repeater Samples Home</a>
</body>
</html>
```


String.jsp Sample

This topic includes the source code for the String.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/repeater/

Sample Source Code

```
<!--Generated by Weblogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<html>
  <head>
    <title>
      repeaterTag/string.jsp
    </title>
    <netui:base/>
  </head>

  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <p><b>A single String rendered by the <netui-data:repeater> tag</b>
    <p><netui-data:repeater dataSource="{pageFlow.strName}">
      <netui:label value="{container.item}" />
    </netui-data:repeater>
    <p><a href="index.jsp">Back to Repeater Samples Home</a>
  </body>
</html>
```


StringArray.jsp Sample

This topic includes the source code for the StringArray.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/repeater/

Sample Source Code

```
<!--Generated by Weblogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<html>
  <head>
    <title>
      repeaterTag/array.jsp
    </title>
    <netui:base/>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <p><b>An array rendered as an unordered list.</b></p>
    <netui-data:repeater dataSource="{pageFlow.strArr}">
      <netui-data:repeaterHeader>
        <ul>
          </netui-data:repeaterHeader>
          <netui-data:repeaterItem>
            <li>
              <netui:label value="{container.item}" />
            </li>
          </netui-data:repeaterItem>
          <netui-data:repeaterFooter>
            </ul>
          </netui-data:repeaterFooter>
        </netui-data:repeater>
        <p><a href="index.jsp">Back to Repeater Samples Home</a>
      </body>
    </html>
```


Vector.jsp Sample

This topic includes the source code for the Vector.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/repeater/

Sample Source Code

```
<!--Generated by Weblogic Workshop-->
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<html>
  <head>
    <title>
      repeaterTag/vector.jsp
    </title>
    <netui:base/>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <p><b>A Vector rendered in an HTML table</b></p>
    <p><netui-data:callPageFlow method="getVector" resultId="vec"/>
    <netui-data:repeater dataSource="{pageContext.vec}">
      <netui-data:repeaterHeader>
        <table border="1">
          <tr>
            <td><b>index</b></td>
            <td><b>name</b></td>
          </tr>
        </table>
      </netui-data:repeaterHeader>
      <netui-data:repeaterItem>
        <tr>
          <td>
            <netui:label value="{container.index}" />
          </td>
          <td>
            <netui:label value="{container.item}" />
          </td>
        </tr>
      </netui-data:repeaterItem>
      <netui-data:repeaterFooter>
        </table>
      </netui-data:repeaterFooter>
    </netui-data:repeater>
    <p><a href="index.jsp">Back to Repeater Samples Home</a>
  </body>
</html>
```


XMLBean.jsp Sample

This topic includes the source code for the XMLBean.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/repeater/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui:html>
  <head>
    <title>
      XMLBean.jsp
    </title>
  </head>
  <body>
    <netui-data:callPageFlow method="getXMLBean" resultId="xmlbean"></netui-data:callPageFlow>
    <netui-data:repeater dataSource="{pageContext.xmlbean}">
      <netui-data:repeaterHeader>
        <table class="tablebody" border="1">
          <tr class="tablehead" valign="top">
            <th>ItemNumber</th>
            <th>ItemName</th>
            <th>Price</th>
            <th>QuantityAvailable</th>
          </tr>
        </netui-data:repeaterHeader>
        <netui-data:repeaterItem>
          <tr valign="top">
            <td><netui:label value="{container.item.itemNumber}" defaultValue="&nbsp;">
            <td><netui:label value="{container.item.itemName}" defaultValue="&nbsp;"></net
            <td><netui:label value="{container.item.price}" defaultValue="&nbsp;"></net
            <td><netui:label value="{container.item.quantityAvailable}" defaultValue="&
          </tr>
        </netui-data:repeaterItem>
        <netui-data:repeaterFooter></table></netui-data:repeaterFooter>
      </netui-data:repeater>
      <p><a href="index.jsp">Back to Repeater Samples Home</a>
    </body>
  </netui:html>
```


XMLString.jsp Sample

This topic includes the source code for the XMLString.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_databinding/repeater/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui-html"%>
<%@taglib prefix="netui" uri="netui-tags-html.tld"%>

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
<html>
  <head>
    <title>Read Test</title>
    <netui:base/>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <p><b>An XMLString rendered in an HTML table</b></p>
    <p><netui-data:callPageFlow method="getXMLStr" resultId="xml"/>
    <netui-data:repeater dataSource="{pageContext.xml.employee}">
      <netui-data:repeaterHeader>
        <table border=1><tr><td><b>Title</b></td><td><b>First</b></td><td><b>Last</b></td></tr>
      </netui-data:repeaterHeader>
      <netui-data:repeaterItem>
        <tr>
          <td><netui-html:label value="{container.item.@title}"/></td>
          <td><netui-html:label value="{container.item.first}"/></td>
          <td><netui-html:label value="{container.item.last}"/></td>
        </tr>
      </netui-data:repeaterItem>
      <netui-data:repeaterFooter>
        </table>
      </netui-data:repeaterFooter>
    </netui-data:repeater>
    <p>The XMLString rendered above:</p>
    <pre>&lt;employees>
      &lt;employee title="CEO">
        &lt;first>Mary&lt;/first>
        &lt;last>Smith&lt;/last>
      &lt;/employee>
      &lt;employee title="President">
        &lt;first>Mark&lt;/first>
        &lt;last>Jones&lt;/last>
      &lt;/employee>
      &lt;employee title="Vice President">
        &lt;first>Matt&lt;/first>
        &lt;last>Nelson&lt;/last>
      &lt;/employee>
      &lt;employee title="Salesperson">
```


navtagSamples.html Sample

```
<first>John</first>
<last>Doe</last>
</employee>
<employee title="Office Manager">
  <first>Jane</first>
  <last>Doe</last>
</employee>
</employees></pre>
<p><a href="index.jsp">Back to Repeater Samples Home</a>
</body>
</html>
```


netui_template Samples

This section contains source code for the following samples.

Samples Included in This Section

template Samples

template Samples

This section contains source code for the following samples.

Samples Included in This Section

DefaultPage.jsp Sample

Template.jsp Sample

TemplateUsingJSP.jsp Sample

DefaultPage.jsp Sample

This topic includes the source code for the DefaultPage.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_template/template/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>

<p style="font-size:10pt;">This is the default text used when a content page fails to set conte
<p><%= 1 + 1 %>
```


Template.jsp Sample

This topic includes the source code for the Template.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_template/template/

Sample Source Code

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>

<netui:html>
  <head>
    <netui:base />
    <title>
      <netui-template:attribute name="title"/>
    </title>
    <link href="<%=request.getContextPath()%>/resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>
  <body>
    <netui-template:includeSection name="topImage"/>
    <h3><netui-template:attribute name="title"/></h3>
    <table border="1">
      <tr>
        <td colspan="3" bgcolor="<netui-template:attribute name="headerColor" defaultVa
          <netui-template:includeSection name="tableHeader"/>
        </td>
      </tr>
      <tr>
        <td width="30%"><h3>Left Column</h3></td>
        <td width="30%"><h3>Center Column</h3></td>
        <td width="30%"><h3>Right Column</h3></td>
      </tr>
      <tr>
        <td><netui-template:includeSection name="leftCol"/></td>
        <td><netui-template:includeSection name="centerCol"/></td>
        <td><netui-template:includeSection name="rightCol" defaultPage="defaultPage.jsp"></td>
      </tr>
      <tr>
        <td colspan="3" bgcolor="<netui-template:attribute name="footerColor" defaultVa
          <netui-template:includeSection name="tableFooter"/>
        </td>
      </tr>
    </table>
    <hr>
    <netui:anchor href="/WebApp/tagSamples/tagSamplesController.jsp">Return to Tag Samples</netui:anchor>
  </body>
</netui:html>
```


TemplateUsingJSP.jsp Sample

This topic includes the source code for the TemplateUsingJSP.jsp Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/netui_template/template/

Sample Source Code

```
<%@ page language="java" contentType="text/html; charset=UTF-8"%>
<%@ taglib uri="netui-tags-databinding.tld" prefix="netui-data"%>
<%@ taglib uri="netui-tags-html.tld" prefix="netui"%>
<%@ taglib uri="netui-tags-template.tld" prefix="netui-template"%>
<netui-template:template templatePage="./template.jsp">

    <netui-template:setAttribute name="title" value="Template Tags Sample"/>
    <netui-template:setAttribute name="headerColor" value="lightgreen"/>
    <netui-template:setAttribute name="footerColor" value="lightblue"/>

    <netui-template:section name="topImage">
        <jsp:include page="/resources/jsp/header.jsp" />
    </netui-template:section>

    <netui-template:section name="tableHeader">
        <h1>header text</h1>
    </netui-template:section>

    <netui-template:section name="leftCol">
        <netui-template:visible visible="true">
            <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit,
            sed diam nonummy nibh euismod tincidunt ut laoreet dolore
            magna aliquam erat volutpat. Ut wisi enim ad minim veniam,
            quis nostrud exerci tation ullamcorper suscipit lobortis nisl
            ut aliquip ex ea commodo consequat.</p>
        </netui-template:visible>
    </netui-template:section>

    <netui-template:section name="centerCol" visible="false">
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit,
        sed diam nonummy nibh euismod tincidunt ut laoreet dolore
        magna aliquam erat volutpat. Ut wisi enim ad minim veniam,
        quis nostrud exerci tation ullamcorper suscipit lobortis nisl
        ut aliquip ex ea commodo consequat.</p>
    </netui-template:section>

    <!--Because this section is commented out, the "rightCol" placeholder will
    use the "defaultPage.jsp" for its content.-->
    <%--netui-template:section name="rightCol">
        <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit,
        sed diam nonummy nibh euismod tincidunt ut laoreet dolore
        magna aliquam erat volutpat. Ut wisi enim ad minim veniam,
        quis nostrud exerci tation ullamcorper suscipit lobortis nisl
        ut aliquip ex ea commodo consequat.</p>
    </netui-template:section--%>
```


navtagSamples.html Sample

```
<netui-template:section name="tableFooter">  
  <h1>footer text</h1>  
</netui-template:section>  
  
</netui-template:template>
```


TagSamplesController.jspf Sample

This topic includes the source code for the TagSamplesController.jspf Sample.

Sample Location

This sample is located in the following directory in your WebLogic Workshop installation:

BEA_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/tagSamples/

Sample Source Code

```
package tagSamples;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;

/**
 * @jpf:controller
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/tagSamples/tagSamplesController.jspf"/>
 * <pageflow-object id="action:begin.do">
 *   <property value="2480" name="x"/>
 *   <property value="60" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:toCallPageFlow.do">
 *   <property value="220" name="x"/>
 *   <property value="260" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:toFormatTags.do">
 *   <property value="340" name="x"/>
 *   <property value="260" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:toFileUpload.do">
 *   <property value="560" name="x"/>
 *   <property value="260" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:toTree.do">
 *   <property value="720" name="x"/>
 *   <property value="260" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:toRewrite.do">
 *   <property value="820" name="x"/>
 *   <property value="260" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:toScript.do">
 *   <property value="920" name="x"/>
 *   <property value="260" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:toChoice.do">
 *   <property value="1040" name="x"/>
 *   <property value="260" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:toAnchor.do">
 *   <property value="2120" name="x"/>
 *   <property value="260" name="y"/>
```


navtagSamples.html Sample

```
* </pageflow-object>
* <pageflow-object id="action:toBindingUpdateErrors.do">
*   <property value="2980" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toButton.do">
*   <property value="1140" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toCallMethod.do">
*   <property value="3120" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toCellRepeater.do">
*   <property value="3240" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toCheckBox.do">
*   <property value="1240" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toCheckBoxOption.do">
*   <property value="1360" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toContent.do">
*   <property value="1480" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toControl.do">
*   <property value="3360" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toCustomTags.do">
*   <property value="3640" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toDeclarePageInput.do">
*   <property value="1800" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toExceptions.do">
*   <property value="1580" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toForm.do">
*   <property value="1920" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toGetData.do">
*   <property value="3800" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toGrid.do">
*   <property value="2020" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toImageAnchor.do">
*   <property value="2340" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
```


navtagSamples.html Sample

```
* <pageflow-object id="action:toImageButton.do">
*   <property value="2480" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toLabel.do">
*   <property value="2600" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toMessage.do">
*   <property value="3900" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toPad.do">
*   <property value="4000" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toPageFlowSamples.do">
*   <property value="2720" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toParameter.do">
*   <property value="2840" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toParameterMap.do">
*   <property value="4140" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toRadioButton.do">
*   <property value="4260" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toRepeater.do">
*   <property value="2220" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toSelect.do">
*   <property value="4380" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toTemplate.do">
*   <property value="460" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toTextArea.do">
*   <property value="4480" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toTextBox.do">
*   <property value="4580" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action:toDynamicTree.do">
*   <property value="640" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp@#@action:toParameter.do@">
*   <property value="2516,2660,2660,2804" name="elbowsX"/>
*   <property value="163,163,252,252" name="elbowsY"/>
*   <property value="East_2" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
```


navtagSamples.html Sample

```
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp#@action:toTextArea.do@">
*   <property value="2516,3480,3480,4444" name="elbowsX"/>
*   <property value="163,163,252,252" name="elbowsY"/>
*   <property value="East_2" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp#@action:toGetData.do@">
*   <property value="2516,3140,3140,3764" name="elbowsX"/>
*   <property value="163,163,252,252" name="elbowsY"/>
*   <property value="East_2" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp#@action:toParameterMap.do@">
*   <property value="2516,3310,3310,4104" name="elbowsX"/>
*   <property value="163,163,252,252" name="elbowsY"/>
*   <property value="East_2" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp#@action:toButton.do@">
*   <property value="2444,1810,1810,1176" name="elbowsX"/>
*   <property value="163,163,252,252" name="elbowsY"/>
*   <property value="West_2" name="fromPort"/>
*   <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp#@action:toRadioButton.do@">
*   <property value="2516,3370,3370,4224" name="elbowsX"/>
*   <property value="163,163,252,252" name="elbowsY"/>
*   <property value="East_2" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp#@action:toForm.do@">
*   <property value="2444,2200,2200,1956" name="elbowsX"/>
*   <property value="163,163,252,252" name="elbowsY"/>
*   <property value="West_2" name="fromPort"/>
*   <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp#@action:toDynamicTree.do@">
*   <property value="2444,1560,1560,676" name="elbowsX"/>
*   <property value="152,152,252,252" name="elbowsY"/>
*   <property value="West_1" name="fromPort"/>
*   <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp#@action:toTree.do@">
*   <property value="2444,1600,1600,756" name="elbowsX"/>
*   <property value="163,163,252,252" name="elbowsY"/>
*   <property value="West_2" name="fromPort"/>
*   <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp#@action:toLabel.do@">
*   <property value="2516,2540,2540,2564" name="elbowsX"/>
*   <property value="163,163,241,241" name="elbowsY"/>
*   <property value="East_2" name="fromPort"/>
*   <property value="West_0" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp#@action:toCustomTags.do@">
*   <property value="2516,3060,3060,3604" name="elbowsX"/>
*   <property value="163,163,252,252" name="elbowsY"/>
*   <property value="East_2" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
* </pageflow-object>
```


navtagSamples.html Sample

```
* <pageflow-object id="action-call:@page:index.jsp##@action:toCheckBox.do@">
*   <property value="2444,1860,1860,1276" name="elbowsX"/>
*   <property value="163,163,252,252" name="elbowsY"/>
*   <property value="West_2" name="fromPort"/>
*   <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp##@action:toDeclarePageInput.do@">
*   <property value="2444,2140,2140,1836" name="elbowsX"/>
*   <property value="163,163,252,252" name="elbowsY"/>
*   <property value="West_2" name="fromPort"/>
*   <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp##@action:toSelect.do@">
*   <property value="2516,3430,3430,4344" name="elbowsX"/>
*   <property value="163,163,252,252" name="elbowsY"/>
*   <property value="East_2" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp##@action:toChoice.do@">
*   <property value="2444,1760,1760,1076" name="elbowsX"/>
*   <property value="163,163,252,252" name="elbowsY"/>
*   <property value="West_2" name="fromPort"/>
*   <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp##@action:toMessage.do@">
*   <property value="2516,3190,3190,3864" name="elbowsX"/>
*   <property value="163,163,252,252" name="elbowsY"/>
*   <property value="East_2" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp##@action:toPageFlowSamples.do@">
*   <property value="2516,2600,2600,2684" name="elbowsX"/>
*   <property value="163,163,252,252" name="elbowsY"/>
*   <property value="East_2" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp##@action:toContent.do@">
*   <property value="2444,1980,1980,1516" name="elbowsX"/>
*   <property value="163,163,252,252" name="elbowsY"/>
*   <property value="West_2" name="fromPort"/>
*   <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp##@action:toImageButton.do@">
*   <property value="2480,2480,2480,2480" name="elbowsX"/>
*   <property value="204,210,210,216" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp##@action:toPad.do@">
*   <property value="2516,3240,3240,3964" name="elbowsX"/>
*   <property value="163,163,252,252" name="elbowsY"/>
*   <property value="East_2" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp##@action:toGrid.do@">
*   <property value="2444,2250,2250,2056" name="elbowsX"/>
*   <property value="163,163,252,252" name="elbowsY"/>
*   <property value="West_2" name="fromPort"/>
*   <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp##@action:toCallMethod.do@">
```


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```
* <property value="2516,2800,2800,3084" name="elbowsX"/>
* <property value="163,163,252,252" name="elbowsY"/>
* <property value="East_2" name="fromPort"/>
* <property value="West_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp##@action:toRewrite.do@">
* <property value="2444,1650,1650,856" name="elbowsX"/>
* <property value="163,163,252,252" name="elbowsY"/>
* <property value="West_2" name="fromPort"/>
* <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp##@action:toCallPageFlow.do@">
* <property value="2444,1350,1350,256" name="elbowsX"/>
* <property value="163,163,252,252" name="elbowsY"/>
* <property value="West_2" name="fromPort"/>
* <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp##@action:toExceptions.do@">
* <property value="2444,2030,2030,1616" name="elbowsX"/>
* <property value="163,163,252,252" name="elbowsY"/>
* <property value="West_2" name="fromPort"/>
* <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp##@action:toAnchor.do@">
* <property value="2444,2300,2300,2156" name="elbowsX"/>
* <property value="163,163,252,252" name="elbowsY"/>
* <property value="West_2" name="fromPort"/>
* <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp##@action:toControl.do@">
* <property value="2516,2920,2920,3324" name="elbowsX"/>
* <property value="163,163,252,252" name="elbowsY"/>
* <property value="East_2" name="fromPort"/>
* <property value="West_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp##@action:toCellRepeater.do@">
* <property value="2516,2860,2860,3204" name="elbowsX"/>
* <property value="163,163,252,252" name="elbowsY"/>
* <property value="East_2" name="fromPort"/>
* <property value="West_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp##@action:toBindingUpdateErrors.do@">
* <property value="2516,2730,2730,2944" name="elbowsX"/>
* <property value="163,163,252,252" name="elbowsY"/>
* <property value="East_2" name="fromPort"/>
* <property value="West_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp##@action:toTextBox.do@">
* <property value="2516,3530,3530,4544" name="elbowsX"/>
* <property value="163,163,252,252" name="elbowsY"/>
* <property value="East_2" name="fromPort"/>
* <property value="West_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp##@action:toFormatTags.do@">
* <property value="2444,1410,1410,376" name="elbowsX"/>
* <property value="163,163,252,252" name="elbowsY"/>
* <property value="West_2" name="fromPort"/>
* <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp##@action:toCheckBoxOption.do@">
* <property value="2444,1920,1920,1396" name="elbowsX"/>
```


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```
* <property value="163,163,252,252" name="elbowsY"/>
* <property value="West_2" name="fromPort"/>
* <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp#@action:toImageAnchor.do@">
*   <property value="2444,2410,2410,2376" name="elbowsX"/>
*   <property value="163,163,252,252" name="elbowsY"/>
*   <property value="West_2" name="fromPort"/>
*   <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp#@action:toTemplate.do@">
*   <property value="2444,1470,1470,496" name="elbowsX"/>
*   <property value="163,163,252,252" name="elbowsY"/>
*   <property value="West_2" name="fromPort"/>
*   <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp#@action:toRepeater.do@">
*   <property value="2444,2350,2350,2256" name="elbowsX"/>
*   <property value="163,163,252,252" name="elbowsY"/>
*   <property value="West_2" name="fromPort"/>
*   <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="page:index.jsp">
*   <property value="2480" name="x"/>
*   <property value="160" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui_databinding/callPageFlow/callPageFlowController.jspf">
*   <property value="220" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui/formatTags/formatTagsController.jspf">
*   <property value="340" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui/fileUpload/fileUploadController.jspf">
*   <property value="560" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui/tree/treeController.jspf">
*   <property value="700" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui/rewrite/RewriteController.jspf">
*   <property value="800" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui/scriptContainer/ScriptContainerController.jspf">
*   <property value="920" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui_databinding/choice/choiceController.jspf">
*   <property value="1040" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui/anchor/AnchorController.jspf">
*   <property value="2120" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui/bindingUpdateErrors/BindingUpdateErrorsController.jspf">
*   <property value="2980" name="x"/>
*   <property value="380" name="y"/>
```


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```
* </pageflow-object>
* <pageflow-object id="external-jpf:netui/button/ButtonController.jspf">
*   <property value="1140" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui_databinding/callMethod/CallMethodController.jspf">
*   <property value="3120" name="x"/>
*   <property value="380" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui_databinding/cellRepeater/CellRepeaterController.jspf">
*   <property value="3240" name="x"/>
*   <property value="380" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui/checkbox/CheckBoxController.jspf">
*   <property value="1240" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui/checkboxOption/CheckBoxOptionController.jspf">
*   <property value="1360" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui/content/ContentController.jspf">
*   <property value="1480" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:netui_databinding/callControl/callControl.jsp">
*   <property value="3360" name="x"/>
*   <property value="420" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:custom_tags/CustomTags.jsp">
*   <property value="3640" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui_databinding/declarePageInput/PageInputController.jspf">
*   <property value="1800" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui/exceptions/ExceptionsController.jspf">
*   <property value="1580" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui/form/FormController.jspf">
*   <property value="1920" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui_databinding/getData/GetDataController.jspf">
*   <property value="3800" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui_databinding/grid/GridController.jspf">
*   <property value="2020" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui/imageAnchor/ImageAnchorController.jspf">
*   <property value="2340" name="x"/>
*   <property value="380" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui/imageButton/ImageButtonController.jspf">
*   <property value="2480" name="x"/>
*   <property value="380" name="y"/>
* </pageflow-object>
```


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```
* <pageflow-object id="external-jpf:netui/label/LabelController.jpf">
*   <property value="2600" name="x"/>
*   <property value="380" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui_databinding/message/MessageController.jpf">
*   <property value="3900" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui_databinding/pad/PadController.jpf">
*   <property value="4000" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:/Controller.jpf">
*   <property value="2720" name="x"/>
*   <property value="380" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:netui/parameter/index.jsp">
*   <property value="2840" name="x"/>
*   <property value="380" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui/parameterMap/ParameterMapController.jpf">
*   <property value="4140" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui/radioButtons/RadioButtonsController.jpf">
*   <property value="4260" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui_databinding/repeater/repeaterController.jpf">
*   <property value="2220" name="x"/>
*   <property value="380" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui/select/selectController.jpf">
*   <property value="4380" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:netui_template/template/templateUsingJSP.jsp">
*   <property value="460" name="x"/>
*   <property value="400" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui/textArea/TextAreaController.jpf">
*   <property value="4480" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui/textBox/TextBoxController.jpf">
*   <property value="4580" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:netui/tree_dynamic/treeController.jpf">
*   <property value="640" name="x"/>
*   <property value="360" name="y"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
*   <property value="2480,2480,2480,2480" name="elbowsX"/>
*   <property value="104,110,110,116" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui_databinding/callPageFlow/callPageFlowControl
*   <property value="220,220,220,220" name="elbowsX"/>
```


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```
* <property value="304,310,310,316" name="elbowsY"/>
* <property value="South_1" name="fromPort"/>
* <property value="North_1" name="toPort"/>
* <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/formatTags/formatTagsController.jspf#@action:"
* <property value="340,340,340,340" name="elbowsX"/>
* <property value="304,310,310,316" name="elbowsY"/>
* <property value="South_1" name="fromPort"/>
* <property value="North_1" name="toPort"/>
* <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/fileUpload/fileUploadController.jspf#@action:"
* <property value="560,560,560,560" name="elbowsX"/>
* <property value="304,310,310,316" name="elbowsY"/>
* <property value="South_1" name="fromPort"/>
* <property value="North_1" name="toPort"/>
* <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/tree/treeController.jspf#@action:toTree.do@"
* <property value="720,720,700,700" name="elbowsX"/>
* <property value="304,310,310,316" name="elbowsY"/>
* <property value="South_1" name="fromPort"/>
* <property value="North_1" name="toPort"/>
* <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/rewrite/RewriteController.jspf#@action:toRewr
* <property value="820,820,800,800" name="elbowsX"/>
* <property value="304,310,310,316" name="elbowsY"/>
* <property value="South_1" name="fromPort"/>
* <property value="North_1" name="toPort"/>
* <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/scriptContainer/ScriptContainerController.jp
* <property value="920,920,920,920" name="elbowsX"/>
* <property value="304,310,310,316" name="elbowsY"/>
* <property value="South_1" name="fromPort"/>
* <property value="North_1" name="toPort"/>
* <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui_databinding/choice/choiceController.jspf#@act
* <property value="1040,1040,1040,1040" name="elbowsX"/>
* <property value="304,310,310,316" name="elbowsY"/>
* <property value="South_1" name="fromPort"/>
* <property value="North_1" name="toPort"/>
* <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/anchor/AnchorController.jspf#@action:toAnchor
* <property value="2120,2120,2120,2120" name="elbowsX"/>
* <property value="304,310,310,316" name="elbowsY"/>
* <property value="South_1" name="fromPort"/>
* <property value="North_1" name="toPort"/>
* <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/bindingUpdateErrors/BindingUpdateErrorsContr
* <property value="2980,2980,2980,2980" name="elbowsX"/>
* <property value="304,320,320,336" name="elbowsY"/>
* <property value="South_1" name="fromPort"/>
* <property value="North_1" name="toPort"/>
* <property value="success" name="label"/>
* </pageflow-object>
```


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```
* <pageflow-object id="forward:path#success#netui/button/ButtonController.jspf#@action:toButton
*   <property value="1140,1140,1140,1140" name="elbowsX"/>
*   <property value="304,310,310,316" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui_databinding/callMethod/CallMethodController.
*   <property value="3120,3120,3120,3120" name="elbowsX"/>
*   <property value="304,320,320,336" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui_databinding/cellRepeater/CellRepeaterControl
*   <property value="3240,3240,3240,3240" name="elbowsX"/>
*   <property value="304,320,320,336" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/checkbox/CheckBoxController.jspf#@action:toCh
*   <property value="1240,1240,1240,1240" name="elbowsX"/>
*   <property value="304,310,310,316" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/checkboxOption/CheckBoxOptionController.jspf#
*   <property value="1360,1360,1360,1360" name="elbowsX"/>
*   <property value="304,310,310,316" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/content/ContentController.jspf#@action:toCont
*   <property value="1480,1480,1480,1480" name="elbowsX"/>
*   <property value="304,310,310,316" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui_databinding/callControl/callControl.jsp#@act
*   <property value="3360,3360,3360,3360" name="elbowsX"/>
*   <property value="304,340,340,376" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#custom_tags/CustomTags.jsp#@action:toCustomTags.do
*   <property value="3640,3640,3640,3640" name="elbowsX"/>
*   <property value="304,310,310,316" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui_databinding/declarePageInput/PageInputContro
*   <property value="1800,1800,1800,1800" name="elbowsX"/>
*   <property value="304,310,310,316" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
```


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```
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/exceptions/ExceptionsController.jspf#@action:"
*   <property value="1580,1580,1580,1580" name="elbowsX"/>
*   <property value="304,310,310,316" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/form/FormController.jspf#@action:toForm.do@"
*   <property value="1920,1920,1920,1920" name="elbowsX"/>
*   <property value="304,310,310,316" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui_databinding/getData/GetDataController.jspf#@a
*   <property value="3800,3800,3800,3800" name="elbowsX"/>
*   <property value="304,310,310,316" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui_databinding/grid/GridController.jspf#@action:"
*   <property value="2020,2020,2020,2020" name="elbowsX"/>
*   <property value="304,310,310,316" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/imageAnchor/ImageAnchorController.jspf#@actio
*   <property value="2340,2340,2340,2340" name="elbowsX"/>
*   <property value="304,320,320,336" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/imageButton/ImageButtonController.jspf#@actio
*   <property value="2480,2480,2480,2480" name="elbowsX"/>
*   <property value="304,320,320,336" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/label/LabelController.jspf#@action:toLabel.do
*   <property value="2600,2600,2600,2600" name="elbowsX"/>
*   <property value="304,320,320,336" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui_databinding/message/MessageController.jspf#@a
*   <property value="3900,3900,3900,3900" name="elbowsX"/>
*   <property value="304,310,310,316" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui_databinding/pad/PadController.jspf#@action:to
*   <property value="4000,4000,4000,4000" name="elbowsX"/>
*   <property value="304,310,310,316" name="elbowsY"/>
```


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```
* <property value="South_1" name="fromPort"/>
* <property value="North_1" name="toPort"/>
* <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#/Controller.jspf#@action:toPageFlowSamples.do@">
*   <property value="2720,2720,2720,2720" name="elbowsX"/>
*   <property value="304,320,320,336" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/parameter/index.jsp#@action:toParameter.do@">
*   <property value="2840,2840,2840,2840" name="elbowsX"/>
*   <property value="304,320,320,336" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/parameterMap/ParameterMapController.jspf#@acti
*   <property value="4140,4140,4140,4140" name="elbowsX"/>
*   <property value="304,310,310,316" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/radioButtons/RadioButtonsController.jspf#@acti
*   <property value="4260,4260,4260,4260" name="elbowsX"/>
*   <property value="304,310,310,316" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui_databinding/repeater/repeaterController.jspf#
*   <property value="2220,2220,2220,2220" name="elbowsX"/>
*   <property value="304,320,320,336" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/select/selectController.jspf#@action:toSelect
*   <property value="4380,4380,4380,4380" name="elbowsX"/>
*   <property value="304,310,310,316" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui_template/template/templateUsingJSP.jsp#@acti
*   <property value="460,460,460,460" name="elbowsX"/>
*   <property value="304,330,330,356" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/textArea/TextAreaController.jspf#@action:toTe
*   <property value="4480,4480,4480,4480" name="elbowsX"/>
*   <property value="304,310,310,316" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/textBox/TextBoxController.jspf#@action:toText
```


navtagSamples.html Sample

```
* <property value="4580,4580,4580,4580" name="elbowsX"/>
* <property value="304,310,310,316" name="elbowsY"/>
* <property value="South_1" name="fromPort"/>
* <property value="North_1" name="toPort"/>
* <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#netui/tree_dynamic/treeController.jspf#@action:toDy
* <property value="640,640,640,640" name="elbowsX"/>
* <property value="304,310,310,316" name="elbowsY"/>
* <property value="South_1" name="fromPort"/>
* <property value="North_1" name="toPort"/>
* <property value="success" name="label"/>
* </pageflow-object>
* </view-properties>
* ::
*/
public class tagSamplesController extends PageFlowController
{
    /**
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin()
    {
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="netui_databinding/callPageFlow/callPageFlowController.jspf"
     */
    protected Forward toCallPageFlow()
    {
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="netui/formatTags/formatTagsController.jspf"
     */
    protected Forward toFormatTags()
    {
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="netui/fileUpload/fileUploadController.jspf"
     */
    protected Forward toFileUpload()
    {
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="netui/tree/treeController.jspf"
     */
}
```


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```
*/
protected Forward toTree()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui/rewrite/RewriteController.jpf"
 */
protected Forward toRewrite()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui/scriptContainer/ScriptContainerController.jpf"
 */
protected Forward toScript()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui_databinding/choice/choiceController.jpf"
 */
protected Forward toChoice()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui/anchor/AnchorController.jpf"
 */
protected Forward toAnchor()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui/bindingUpdateErrors/BindingUpdateErrorsController.jpf"
 */
protected Forward toBindingUpdateErrors()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui/button/ButtonController.jpf"
 */
protected Forward toButton()
{
    return new Forward("success");
}
```


navtagSamples.html Sample

```
/**
 * @jpf:action
 * @jpf:forward name="success" path="netui_databinding/callMethod/CallMethodController.jspf"
 */
protected Forward toCallMethod()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui_databinding/cellRepeater/CellRepeaterController.jspf"
 */
protected Forward toCellRepeater()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui/checkBox/CheckBoxController.jspf"
 */
protected Forward toCheckBox()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui/checkBoxOption/CheckBoxOptionController.jspf"
 */
protected Forward toCheckBoxOption()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui/content/ContentController.jspf"
 */
protected Forward toContent()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui_databinding/callControl/callControl.jsp"
 */
protected Forward toControl()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="custom_tags/CustomTags.jsp"
 */
protected Forward toCustomTags()
{

```


navtagSamples.html Sample

```
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="netui_databinding/declarePageInput/PageInputController
     */
    protected Forward toDeclarePageInput()
    {
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="netui/exceptions/ExceptionsController.jspf"
     */
    protected Forward toExceptions()
    {
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="netui/form/FormController.jspf"
     */
    protected Forward toForm()
    {
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="netui_databinding/getData/GetDataController.jspf"
     */
    protected Forward toGetData()
    {
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="netui_databinding/grid/GridController.jspf"
     */
    protected Forward toGrid()
    {
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="netui/imageAnchor/ImageAnchorController.jspf"
     */
    protected Forward toImageAnchor()
    {
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="success" path="netui/imageButton/ImageButtonController.jspf"
     */
```


navtagSamples.html Sample

```
protected Forward toImageButton()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui/label/LabelController.jpf"
 */
protected Forward toLabel()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui_databinding/message/MessageController.jpf"
 */
protected Forward toMessage()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui_databinding/pad/PadController.jpf"
 */
protected Forward toPad()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="/Controller.jpf"
 */
protected Forward toPageFlowSamples()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui/parameter/index.jsp"
 */
protected Forward toParameter()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui/parameterMap/ParameterMapController.jpf"
 */
protected Forward toParameterMap()
{
    return new Forward("success");
}

/**
 * @jpf:action
```


navtagSamples.html Sample

```
* @jpf:forward name="success" path="netui/radioButtons/RadioButtonsController.jpf"
*/
protected Forward toRadioButton()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui_databinding/repeater/repeaterController.jpf"
 */
protected Forward toRepeater()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui/select/selectController.jpf"
 */
protected Forward toSelect()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui_template/template/templateUsingJSP.jsp"
 */
protected Forward toTemplate()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui/textArea/TextAreaController.jpf"
 */
protected Forward toTextArea()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui/textBox/TextBoxController.jpf"
 */
protected Forward toTextBox()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="netui/tree_dynamic/treeController.jpf"
 */
protected Forward toDynamicTree()
{
    return new Forward("success");
}
}
```