



# BEA WebLogic Workshop™ Help

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# security Samples

This section contains source code for the following samples.

## Samples Included in This Section

formBasedLogin Samples

Index.jsp Sample

login Samples

roleBasedSecurity Samples

SecurityController.jspf Sample

shoppingCartLogin Samples

# **formBasedLogin Samples**

This section contains source code for the following samples.

## **Samples Included in This Section**

formBasedLoginFlow Samples

login\_pages Samples

# **formBasedLoginFlow Samples**

This section contains source code for the following samples.

## **Samples Included in This Section**

FormBasedLoginFlowController.jspf Sample

Index.jsp Sample

# FormBasedLoginFlowController.jspf Sample

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

## Sample Location

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

BEA\_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/security/formBasedLogin/formBasedLoginFlow/

## Sample Source Code

```
// -----  
//  Generated by WebLogic Workshop  
//  
//  Created on: Thu Aug 28 10:21:05 PDT 2003  
//  By: steveh  
// -----  
package security.formBasedLogin.formBasedLoginFlow;  
import com.bea.wlw.netui.pageflow.Forward;  
import com.bea.wlw.netui.pageflow.PageFlowController;  
  
/**  
 * This page flow file has been declared a protected web resource in the deployment  
 * descriptor WEB-INF/web.xml.  
 * This page flow is protected both by a (1) login requirement and (2) a role-membership  
 * requirement, both of which are specified by the <security-constraint> element in  
 * WEB-INF/web.xml.  
 *  
 * @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:/security/login/formBasedLogin/formBasedLoginFlow/formBasedLoginFlow">  
 * <pageflow-object id="action:begin.do">  
 *   <property value="80" name="x"/>  
 *   <property value="100" name="y"/>  
 * </pageflow-object>  
 * <pageflow-object id="action:doLogoutSamplesHome.do">  
 *   <property value="360" name="x"/>  
 *   <property value="100" name="y"/>  
 * </pageflow-object>  
 * <pageflow-object id="action-call:@page:index.jsp#@action:doLogoutSamplesHome.do@">  
 *   <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="external-jpf:/security/securityController.jspf">  
 *   <property value="500" name="x"/>  
 *   <property value="100" name="y"/>  
 * </pageflow-object>  
 * <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
```



## navsecurity.html Sample

```
*   <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#/security/securityController.jspf#@action:doLogoutS
*   <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>
* </view-properties>
* ::
*/
public class formBasedLoginFlowController 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="/security/securityController.jspf"
     */
    protected Forward doLogoutSamplesHome()
    {
        logout( false );
        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/security/formBasedLogin/formBasedLoginFlow/

## 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>
      Form Based Login
    </title>
    <link href="/WebApp/resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <h3>Form Based Login Sample</h3>
    <p>
      Welcome, <%=request.getRemoteUser()%>. You have successfully logged in.</p>
    <p>
      <netui:anchor action="doLogoutSamplesHome">Log out and return to Security Samples Home</netui:anchor>
    </p>
  </body>
</netui:html>
```

# **login\_pages Samples**

This section contains source code for the following samples.

## **Samples Included in This Section**

Fail\_login.jsp Sample

Login.jsp Sample

# Fail\_login.jsp Sample

This topic includes the source code for the Fail\_login.jsp Sample.

## Sample Location

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

BEA\_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/security/formBasedLogin/login\_pages/

## 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>Login failed</title>
</head>
<body>
    <h2>Sorry, your user name and password were not recognized.</h2>
    <p><b><a href="login.jsp">try again</a></b>
</body>
</netui:html>
```

# Login.jsp Sample

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

## Sample Location

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

BEA\_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/security/formBasedLogin/login\_pages/

## 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>SamplesApp/WebApp login page</title>
</head>
<body bgcolor="#ccffcc">
    <blockquote>
        <h2>Please enter your user name and password:</h2>
        <p>
            <!--
            Ignore the compiler warning below (indicated by the green underscoring).
            Workshop issues the warning because it cannot find
            the class j_security_check on its class paths.

            "j_security_check" is required for FORM authentication.
            It is used by WebLogic Server's security framework to check
            the submitted username and password against the authentication provider.
            The names of the input fields, "j_username" and "j_password", are used
            for the same purpose.
            -->
            <form method="POST" action="j_security_check">
            <table border=1>
                <tr bgcolor="#99ffcc">
                    <td>
                        Username:
                    </td>
                    <td>
                        <input type="text" name="j_username">
                    </td>
                </tr>
                <tr bgcolor="#66ffcc">
                    <td>
                        Password:<br><font style="font-size:8pt;">[username: "weblogic" / password:
                    </td>
                    <td>
                        <input type="password" name="j_password">
                    </td>
                </tr>
                <tr>
                    <td colspan=2 align=right bgcolor="#00ffcc">
                        <input type=submit value="Submit">
                    </td>
                </tr>
            </table>
            </form>
        </p>
    </blockquote>
</body>
</html>
```

## navsecurity.html Sample

```
        </td>
      </tr>
    </table>
  </form>
</p>
</blockquote>
</body>
</html>
</netui: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/security/

## 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: Security
    </title>
    <link href="/WebApp/resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <h3>Page Flow Samples: Security</h3>
    <p>These samples show how to set up a login mechanism and role-based security.</p>
    <p>Two kinds of login mechanisms are shown: (1) form-based login and (2) "shopping-cart" login.</p>
    <p>Form-based login is useful when you want to restrict every part of a Page Flow from users. This sort of login relies on configured security restrictions in the /WEB-INF/web.xml file.</p>
    <p>"Shopping-cart" login is useful when you want to allow non-logged in users to access the Page Flow, but allow only logged in user to access other parts. For instance, you might allow non-logged in users to browse the product catalog, but only allow logged-in users to purchase a product.</p>
    <blockquote>
      <hr>
      <p><a href="/WebApp/security/formBasedLogin/formBasedLoginFlow/formBasedLoginFlowControl.jspx" >Form-based Login</a></p>
      <p>Source code: SamplesApp/WebApp/security/login/formBasedLogin/
    </p>
      <hr>
      <p><netui:anchor action="toShopping">"Shopping Cart" Login</netui:anchor></p>
      <p>Source code: SamplesApp/WebApp/security/shoppingCartLogin/
    </p>
      <hr>
      <p><netui:anchor action="toRoleBased" >Role-based Security: filtering user access based on role membership</netui:anchor></p>
      <p>Source code: SamplesApp/WebApp/security/roleBasedSecurity/
    </p>
    </blockquote>
    <hr>
    <p><netui:anchor action="toPageFlowSamples">Back to Web Application Samples Home</netui:anchor></p>
  </body>
</netui:html>
```

# login Samples

This section contains source code for the following samples.

## Samples Included in This Section

formBasedLogin Samples

shoppingCartLogin Samples



# **formBasedLogin Samples**

This section contains source code for the following samples.

## **Samples Included in This Section**

formBasedLoginFlow Samples

login\_pages Samples

# **formBasedLoginFlow Samples**

This section contains source code for the following samples.

## **Samples Included in This Section**

# **login\_pages Samples**

This section contains source code for the following samples.

## **Samples Included in This Section**

# shoppingCartLogin Samples

This section contains source code for the following samples.

## Samples Included in This Section

login Samples

shopping Samples

# login Samples

This section contains source code for the following samples.

## Samples Included in This Section

# shopping Samples

This section contains source code for the following samples.

## Samples Included in This Section

# **roleBasedSecurity Samples**

This section contains source code for the following samples.

## **Samples Included in This Section**

AdminPage.jsp Sample

Index.jsp Sample

RoleBasedSecurityController.jspf Sample

# AdminPage.jsp Sample

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

## Sample Location

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

BEA\_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/security/roleBasedSecurity/

## 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>
      Administrators Page
    </title>
    <link href="/WebApp/resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <h3>Administrators Page</h3>
    <blockquote>
      <p>Welcome, <%=request.getRemoteUser()%>. You have successfully logged
        in as a member of the Administrator role.
      <p>
      <netui:anchor action="doLogoutSamplesHome">Log out and return to the Security Sampl
    </blockquote>
  </body>
</netui: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/security/roleBasedSecurity/

## 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>
      Role Based Security
    </title>
    <link href="/WebApp/resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <h3>Role-based Security Sample</h3>
    <p>Clicking the link below will attempt to forward you to the Administrator's page.
    <p>If you are not logged in with the Administrator's role, you will be forwarded to the
    <p>Upon successfully logging in, you will be re-forwarded to the Administrator's page.
    <blockquote>
    <p>
    <netui:anchor action="toAdminPage">To the Administrators' page</netui:anchor>
    </p>
    </blockquote>
  </body>
</netui:html>
```

# RoleBasedSecurityController.jspf Sample

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

## Sample Location

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

BEA\_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/security/roleBasedSecurity/

## Sample Source Code

```
package security.roleBasedSecurity;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;

/**
 * This page flow demonstrates the use of the attributes
 *
 *      jpf:action login-required
 *
 *      and
 *
 *      jpf:action roles-allowed
 *
 * To access the begin() method, a user must be logged in.
 * To access the toAdminPage() method, a user must be logged in in the Administrator role.
 *
 * @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:/security/roleBasedSecurity/roleBasedSecurityController.jspf"/>
 * <pageflow-object id="action:begin.do">
 *   <property value="60" name="x"/>
 *   <property value="60" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:toAdminPage.do">
 *   <property value="320" name="x"/>
 *   <property value="60" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:loginCancel.do">
 *   <property value="180" name="x"/>
 *   <property value="180" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:loginSuccess.do">
 *   <property value="180" name="x"/>
 *   <property value="260" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:doLogoutSamplesHome.do">
 *   <property value="560" name="x"/>
 *   <property value="60" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:index.jsp#@@action:toAdminPage.do@">
 *   <property value="236,260,260,284" name="elbowsX"/>
 *   <property value="52,52,52,52" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>

```

## navsecurity.html Sample

```
* <property value="West_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="page:index.jsp">
*   <property value="200" name="x"/>
*   <property value="60" name="y"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:adminPage.jsp##@action:doLogoutSamplesHome.do@">
*   <property value="476,500,500,524" name="elbowsX"/>
*   <property value="52,52,52,52" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="page:adminPage.jsp">
*   <property value="440" name="x"/>
*   <property value="60" name="y"/>
* </pageflow-object>
* <pageflow-object id="page:../index.jsp">
*   <property value="300" name="x"/>
*   <property value="180" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:/security/securityController.jpf">
*   <property value="560" name="x"/>
*   <property value="180" name="y"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#index.jsp##@action:begin.do@">
*   <property value="96,130,130,164" 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#success#adminPage.jsp##@action:toAdminPage.do@">
*   <property value="356,380,380,404" 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#curPage#../index.jsp##@action:loginCancel.do@">
*   <property value="216,240,240,264" name="elbowsX"/>
*   <property value="172,172,172,172" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="curPage" name="label"/>
* </pageflow-object>
* <pageflow-object id="return-to:@forward:return-to#prevAction#previousAction#@action:loginSucce
*   <property value="300" name="x"/>
*   <property value="260" name="y"/>
* </pageflow-object>
* <pageflow-object id="forward:return-to#prevAction#previousAction#@action:loginSuccess.do@">
*   <property value="216,240,240,264" name="elbowsX"/>
*   <property value="252,252,252,252" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="prevAction" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#/security/securityController.jpf##@action:doLogoutS
*   <property value="560,560,560,560" name="elbowsX"/>
*   <property value="104,120,120,136" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
```

## navsecurity.html Sample

```

*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="action-call:@external-jpf:/security/shoppingCartLogin/login/loginContro
*   <property value="116,130,130,144" name="elbowsX"/>
*   <property value="212,212,172,172" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@external-jpf:/security/shoppingCartLogin/login/loginContro
*   <property value="116,130,130,144" name="elbowsX"/>
*   <property value="212,212,241,241" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_0" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:/security/shoppingCartLogin/login/loginController.jspf">
*   <property value="80" name="x"/>
*   <property value="220" name="y"/>
* </pageflow-object>
* </view-properties>
* ::
*/
public class roleBasedSecurityController extends PageFlowController
{
    /**
     * If a non-logged in user calls this Action, a NotLoggedInException is thrown
     * (this is because login-required is set to "true"). The exception is caught
     * and the user is sent to the login page flow: /login/shoppingCartLogin/login/loginContro
     * (a nested page flow).
     *
     * If the user successfully logs in, he is returned to this Action, which executes normally
     *
     * @jpf:action login-required="true"
     * @jpf:catch type="com.bea.wlw.netui.pageflow.NotLoggedInException" path="/security/shoppi
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin()
    {
        return new Forward( "success" );
    }

    /**
     * To access this Action, a user must be logged in and a member of the Administrator
     * role.
     *
     * The Administrator role is declared in the WEB-INF/web.xml file by the
     * <security-role> element. (The user 'weblogic' is made a member of this role
     * in WEB-INF/weblogic.xml.)
     *
     * @jpf:action roles-allowed="Administrator"
     * @jpf:forward name="success" path="adminPage.jsp"
     */
    protected Forward toAdminPage()
    {
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward name="curPage" path="../index.jsp"
     */
    protected Forward loginCancel()

```

## navsecurity.html Sample

```
{
    return new Forward( "curPage" );
}

/**
 * @jpf:action
 * @jpf:forward name="prevAction" return-to="previousAction"
 */
protected Forward loginSuccess()
{
    return new Forward( "prevAction" );
}

/**
 * @jpf:action
 * @jpf:forward name="success" path="/security/securityController.jspf"
 */
protected Forward doLogoutSamplesHome()
{
    logout( true );
    return new Forward( "success" );
}
}
```

# SecurityController.jspf Sample

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

## Sample Location

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

BEA\_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/security/

## Sample Source Code

```
package security;
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:/security/securityController.jspf"/>
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="100" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:toRoleBased.do">
 *   <property value="440" name="x"/>
 *   <property value="40" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:toShopping.do">
 *   <property value="440" name="x"/>
 *   <property value="200" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:toPageFlowSamples.do">
 *   <property value="240" name="x"/>
 *   <property value="340" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:index.jsp#@action:toPageFlowSamples.do@">
 *   <property value="240,240,240,240" name="elbowsX"/>
 *   <property value="144,220,220,296" 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:toShopping.do@">
 *   <property value="276,340,340,404" name="elbowsX"/>
 *   <property value="92,92,192,192" 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="external-jpf:/security/roleBasedSecurity/roleBasedSecurityController.jspf">
 *   <property value="560" name="x"/>
 *   <property value="40" name="y"/>
```

## navsecurity.html Sample

```

* </pageflow-object>
* <pageflow-object id="external-jpf:/security/shoppingCartLogin/shopping/shoppingController.jspf">
*   <property value="560" name="x"/>
*   <property value="200" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:/Controller.jpf">
*   <property value="240" name="x"/>
*   <property value="460" 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#/security/roleBasedSecurity/roleBasedSecurityController.jspf">
*   <property value="476,500,500,524" name="elbowsX"/>
*   <property value="32,32,32,32" 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#/security/shoppingCartLogin/shopping/shoppingController.jspf">
*   <property value="476,500,500,524" name="elbowsX"/>
*   <property value="192,192,192,192" 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#/Controller.jpf#@action:toPageFlowSamples.do@">
*   <property value="240,240,240,240" name="elbowsX"/>
*   <property value="384,400,400,416" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:index.jsp#@action:toRoleBased.do@">
*   <property value="276,340,340,404" name="elbowsX"/>
*   <property value="92,92,32,32" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
* </pageflow-object>
* </view-properties>
* ::
*/
public class securityController extends PageFlowController
{
    /**
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin()
    {
        return new Forward("success");
    }

    /**
     * @jpf:action
     * @jpf:forward path="/security/roleBasedSecurity/roleBasedSecurityController.jpf" name="su

```

## navsecurity.html Sample

```
    */
protected Forward toRoleBased()
{
    return new Forward("success");
}

/**
 * @jpf:action
 * @jpf:forward path="/security/shoppingCartLogin/shopping/shoppingController.jpf" name="su
 */
protected Forward toShopping()
{
    return new Forward("success");
}

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



# shoppingCartLogin Samples

This section contains source code for the following samples.

## Samples Included in This Section

login Samples

shopping Samples

# login Samples

This section contains source code for the following samples.

## Samples Included in This Section

Index.jsp Sample

LoginController.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/security/shoppingCartLogin/login/

## 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>Login</title>
  </head>
  <body>
    <h3>Login</h3>

    <font color="Red">
      <netui:exceptions />
    </font>

    <netui:form action="doLogin">
      <table class="tablebody">
        <tr class="tablehead">
          <td>
            Username:
          </td>
          <td>
            <netui:textBox dataSource="{actionForm.username}"/>
          </td>
        </tr>
        <tr class="tablehead">
          <td>
            Password:
          </td>
          <td>
            <netui:textBox dataSource="{actionForm.password}" password="true"/><br>
            <font style="font-size:8pt;">[username: "weblogic" / password: "weblogic"]
          </td>
        </tr>
      </table>
      <br/>
      &nbsp;
      <netui:button value="Submit"/>
      <netui:button value="Cancel" action="cancel"/>
    </netui:form>
  </body>
</netui:html>
```

# LoginController.jpf Sample

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

## Sample Location

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

BEA\_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/security/shoppingCartLogin/login/

## Sample Source Code

```
package security.shoppingCartLogin.login;

import com.bea.wlw.netui.pageflow.FormData;
import com.bea.wlw.netui.pageflow.Forward;
import com.bea.wlw.netui.pageflow.PageFlowController;
import javax.security.auth.login.LoginException;

/**
 * @jpf:controller nested="true"
 * @jpf:view-properties view-properties::
 * <!-- This data is auto-generated. Hand-editing this section is not recommended. -->
 * <view-properties>
 * <pageflow-object id="pageflow:/login/shoppingCartLogin/login/loginController.jpf"/>
 * <pageflow-object id="action:begin.do">
 *   <property value="100" name="x"/>
 *   <property value="180" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:doLogin.do#login.shoppingCartLogin.login.loginController.LoginFo
 *   <property value="380" name="x"/>
 *   <property value="140" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:cancel.do">
 *   <property value="380" name="x"/>
 *   <property value="240" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:index.jsp#@action:cancel.do@">
 *   <property value="276,310,310,344" 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="action-call:@page:index.jsp#@action:doLogin.do#login.shoppingCartLogin
 *   <property value="276,310,310,344" name="elbowsX"/>
 *   <property value="172,172,132,132" 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="180" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="forward:path#success#index.jsp#@action:begin.do@">
 *   <property value="136,170,170,204" name="elbowsX"/>
 *   <property value="172,172,172,172" name="elbowsY"/>
 *   <property value="East_1" name="fromPort"/>

```

## navsecurity.html Sample

```

*   <property value="West_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="exit:loginSuccess">
*   <property value="500" name="x"/>
*   <property value="140" name="y"/>
* </pageflow-object>
* <pageflow-object id="forward:return-action#success#loginSuccess#@action:doLogin.do#login.sho
*   <property value="416,440,440,464" name="elbowsX"/>
*   <property value="132,132,132,132" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="exit:loginCancel">
*   <property value="500" name="x"/>
*   <property value="240" name="y"/>
* </pageflow-object>
* <pageflow-object id="forward:return-action#cancel#loginCancel#@action:cancel.do@">
*   <property value="416,440,440,464" name="elbowsX"/>
*   <property value="232,232,232,232" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="cancel" name="label"/>
* </pageflow-object>
* <pageflow-object id="formbeanprop:login.shoppingCartLogin.login.loginController.LoginForm#pa
* <pageflow-object id="formbeanprop:login.shoppingCartLogin.login.loginController.LoginForm#us
* <pageflow-object id="formbean:login.shoppingCartLogin.login.loginController.LoginForm"/>
* </view-properties>
* ::
*
*/
public class loginController extends PageFlowController
{
    /**
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin()
    {
        return new Forward( "success" );
    }

    /**
     * Note that the return-action attribute always refers to an action in the parent, or "nest
     * page flow. In this case the parent page flow is shoppingController.jpf.
     */
    * @jpf:action
    * @jpf:catch type="LoginException" path="index.jsp"
    * @jpf:forward name="success" return-action="loginSuccess"
    */
    protected Forward doLogin( LoginForm form )
        throws LoginException
    {
        /*
         * The login method below is a method of the com.bea.wlw.netui.pageflow.FlowController
         * class (a class extended by PageFlowController). It logs in the user against WebLogi
         *
         * If the login succeeds (if user is known to the authentication provider), then
         * the method returns void and the user is returned to the save Action on
         * the nesting page flow /shopping/shoppingController.jpf.

```

## navsecurity.html Sample

```
* Note that the user is returned to the save Action via the "loginSuccess" method on t
* nesting page flow /shopping/shoppingController.jspf.
*
* If the login fails, a LoginException is returned and the user is returned to the
* login page.
*/
login( form.getUsername(), form.getPassword() );
return new Forward( "success" );
}

/**
 * @jpf:action
 * @jpf:forward name="cancel" return-action="loginCancel"
 */
protected Forward cancel()
{
    /*
     * This will raise the "loginCancel" method on the nesting page flow.
     * In this case, the nesting page flow is /shopping/shoppingController.jspf
     */
    return new Forward( "cancel" );
}

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

    private String password;

    public void setPassword(String password)
    {
        this.password = password;
    }

    public String getPassword()
    {
        return this.password;
    }

    public void setUsername(String username)
    {
        this.username = username;
    }

    public String getUsername()
    {
        return this.username;
    }
}
}
```

# shopping Samples

This section contains source code for the following samples.

## Samples Included in This Section

Index.jsp Sample

ShoppingController.jspf Sample

Success.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/security/shoppingCartLogin/shopping/

## 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>
      Shopping Cart
    </title>
    <link href="/WebApp/resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>
  <body>

    <jsp:include page="/resources/jsp/header.jsp"/>
    <h3>"Shopping Cart" Login Sample</h3>
    <p>If you're currently logged in, clicking the link below will take you to the check out
    <p>If you're not currently logged in, you will be taken to the login pages.
    On a successful login, you will be taken to the check out page.
    <blockquote>
      <p><netui:anchor action="save">Proceed to Check out</netui:anchor>
    </blockquote>
  </body>
</netui:html>
```



# ShoppingController.jpf Sample

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

## Sample Location

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

BEA\_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/security/shoppingCartLogin/shopping/

## Sample Source Code

```
package security.shoppingCartLogin.shopping;

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:/security/shoppingCartLogin/shopping/shoppingController.jpf"/>
 * <pageflow-object id="action:begin.do">
 *   <property value="80" name="x"/>
 *   <property value="60" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:save.do">
 *   <property value="400" name="x"/>
 *   <property value="300" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:loginCancel.do">
 *   <property value="500" name="x"/>
 *   <property value="80" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:loginSuccess.do">
 *   <property value="680" name="x"/>
 *   <property value="80" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:doLogout.do">
 *   <property value="240" name="x"/>
 *   <property value="180" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action:doLogoutSamplesHome.do">
 *   <property value="80" name="x"/>
 *   <property value="400" name="y"/>
 * </pageflow-object>
 * <pageflow-object id="action-call:@page:index.jsp##@action:save.do@">
 *   <property value="400,400,400,400" name="elbowsX"/>
 *   <property value="104,180,180,256" name="elbowsY"/>
 *   <property value="South_1" name="fromPort"/>
 *   <property value="North_1" name="toPort"/>
 * </pageflow-object>
 * <pageflow-object id="page:index.jsp">
 *   <property value="400" name="x"/>
 *   <property value="60" name="y"/>
 * </pageflow-object>
```

## navsecurity.html Sample

```
* <pageflow-object id="action-call:@page:success.jsp##@action:doLogoutSamplesHome.do@">
*   <property value="80,80,80,80" name="elbowsX"/>
*   <property value="344,350,350,356" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:success.jsp##@action:begin.do@">
*   <property value="80,80,80,80" name="elbowsX"/>
*   <property value="256,180,180,104" name="elbowsY"/>
*   <property value="North_1" name="fromPort"/>
*   <property value="South_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@page:success.jsp##@action:doLogout.do@">
*   <property value="116,160,160,204" name="elbowsX"/>
*   <property value="292,292,172,172" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="page:success.jsp">
*   <property value="80" name="x"/>
*   <property value="300" name="y"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:/security/securityController.jpf">
*   <property value="220" name="x"/>
*   <property value="400" name="y"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#index.jsp##@action:begin.do@">
*   <property value="116,240,240,364" 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#success#success.jsp##@action:save.do@">
*   <property value="364,240,240,116" name="elbowsX"/>
*   <property value="292,292,292,292" name="elbowsY"/>
*   <property value="West_1" name="fromPort"/>
*   <property value="East_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="return-to:@forward:return-to#curPage#previousPage##@action:loginCancel.do@">
*   <property value="500" name="x"/>
*   <property value="180" name="y"/>
* </pageflow-object>
* <pageflow-object id="forward:return-to#curPage#previousPage##@action:loginCancel.do@">
*   <property value="500,500,500,500" name="elbowsX"/>
*   <property value="124,130,130,136" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="curPage" name="label"/>
* </pageflow-object>
* <pageflow-object id="return-to:@forward:return-to#prevAction#previousAction##@action:loginSucce"
*   <property value="680" name="x"/>
*   <property value="180" name="y"/>
* </pageflow-object>
* <pageflow-object id="forward:return-to#prevAction#previousAction##@action:loginSuccess.do@">
*   <property value="680,680,680,680" name="elbowsX"/>
*   <property value="124,130,130,136" name="elbowsY"/>
*   <property value="South_1" name="fromPort"/>
*   <property value="North_1" name="toPort"/>
*   <property value="prevAction" name="label"/>
```

## navsecurity.html Sample

```

* </pageflow-object>
* <pageflow-object id="forward:path#success#index.jsp#@action:doLogout.do@">
*   <property value="276,320,320,364" name="elbowsX"/>
*   <property value="172,172,63,63" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_2" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="forward:path#success#/security/securityController.jspf#@action:doLogout.do@">
*   <property value="116,150,150,184" name="elbowsX"/>
*   <property value="392,392,392,392" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
*   <property value="success" name="label"/>
* </pageflow-object>
* <pageflow-object id="action-call:@external-jpf:/security/shoppingCartLogin/login/loginController.jspf#@action:doLogout.do@">
*   <property value="544,540,540,536" name="elbowsX"/>
*   <property value="72,72,72,72" name="elbowsY"/>
*   <property value="West_1" name="fromPort"/>
*   <property value="East_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="action-call:@external-jpf:/security/shoppingCartLogin/login/loginController.jspf#@action:doLogout.do@">
*   <property value="616,630,630,644" name="elbowsX"/>
*   <property value="72,72,72,72" name="elbowsY"/>
*   <property value="East_1" name="fromPort"/>
*   <property value="West_1" name="toPort"/>
* </pageflow-object>
* <pageflow-object id="external-jpf:/security/shoppingCartLogin/login/loginController.jspf">
*   <property value="580" name="x"/>
*   <property value="80" name="y"/>
* </pageflow-object>
* </view-properties>
* ::
*
*/
public class shoppingController extends PageFlowController
{
    /**
     * @jpf:action
     * @jpf:forward name="success" path="index.jsp"
     */
    protected Forward begin()
    {
        return new Forward( "success" );
    }

    /**
     * If a non-logged in user calls this Action, a NotLoggedInException is thrown
     * (this is because login-required is set to "true"). The exception is caught
     * and the user is sent to the login page flow: /login/shoppingCartLogin/login/loginController.jspf
     * (a nested page flow).
     *
     * If the user successfully logs in, he is returned to this Action, which executes normally
     *
     * @jpf:action login-required="true"
     * @jpf:forward name="success" path="success.jsp"
     * @jpf:catch type="com.bea.wlw.netui.pageflow.NotLoggedInException" path="/security/shoppingCartLogin/login/loginController.jspf"
     */
    protected Forward save()
    {
        return new Forward( "success" );
    }
}

```

## navsecurity.html Sample

```
}

/**
 * @jpf:action
 * @jpf:forward name="curPage" return-to="previousPage"
 */
protected Forward loginCancel()
{
    return new Forward( "curPage" );
}

/**
 * @jpf:action
 * @jpf:forward name="prevAction" return-to="previousAction"
 */
protected Forward loginSuccess()
{
    return new Forward( "prevAction" );
}

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

/**
 * @jpf:action
 * @jpf:forward name="success" path="/security/securityController.jspf"
 */
protected Forward doLogoutSamplesHome()
{
    logout( false );
    return new Forward( "success" );
}
}
```

# Success.jsp Sample

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

## Sample Location

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

BEA\_HOME/weblogic81/samples/workshop/SamplesApp/WebApp/security/shoppingCartLogin/shopping/

## 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>
      Shopping Cart Login Success
    </title>
    <link href="/WebApp/resources/css/style.css" type="text/css" rel="stylesheet"/>
  </head>
  <body>
    <jsp:include page="/resources/jsp/header.jsp"/>
    <h3>Shopping Cart Login Success</h3>
    Welcome, <%=request.getRemoteUser()%>. You have successfully logged in.
    <p>
    <netui:anchor action="begin">Return to shopping cart</netui:anchor>
    <p>
    <netui:anchor action="doLogout">Log out and return to shopping cart</netui:anchor>
    <p>
    <netui:anchor action="doLogoutSamplesHome">Log out and return to Security Samples Home</netui:anchor>
  </body>
</netui:html>
```