A Sample Example on SwitchAction Class of Struts 1x

1. Login.jsp

<%@ taglib uri=*"http://struts.apache.org/tags-html"* prefix=*"html"*%>

<h1>Login Form</h1>

<html:form action=*"login"*>

<table>

<tr>

<td>USERNAME:</td>

<td><html:text property=*"uname"*></html:text></td>

<td><html:errors property=*"uname"*/></td>

</tr>

<tr>

<td>Password</td>

<td><html:password property=*"pass"*></html:password></td>

<td><html:errors property=*"pass"*/></td>

</tr>

<tr>

<td>ROLE:</td>

<td><html:select property=*"role"*>

<html:option value=*""*>--Select--</html:option>

<html:options name=*"LF"* property=*"rolelist"*/>

</html:select>

</td>

</tr>

<tr>

<td></td>

<td><html:submit property=*"submit"* value=*"Register"*/></td>

</tr>

</table>

</html:form>

1. Struts-config.xml

<!DOCTYPE struts-config PUBLIC

"-//Apache Software Foundation//DTD Struts Configuration 1.3//EN"

"http://struts.apache.org/dtds/struts-config\_1\_3.dtd">

<struts-config>

<form-beans>

<form-bean name=*"LF"* type=*"com.ds.ems.main.LoginForm"*/>

</form-beans>

<action-mappings>

<action path=*"/login"* name=*"LF"* input=*"/login.jsp"* type=*"com.ds.ems.main.LoginAction"*>

<forward name=*"samepage"* path=*"/login.jsp"*/>

<forward name=*"adminsuccess"* path=*"/admin/adminsuccess.jsp"*/>

<forward name=*"employeesuccess"* path=*"/employee/employeesuccess.jsp"*/>

<forward name=*"usersuccess"* path=*"/user/usersuccess.jsp"*/>

</action>

</action-mappings>

<message-resources parameter=*"resources/Messages"*/>

</struts-config>

1. Web.xml

<?xml version=*"1.0"* encoding=*"UTF-8"*?>

<web-app xmlns:xsi=*"http://www.w3.org/2001/XMLSchema-instance"* xmlns=*"http://xmlns.jcp.org/xml/ns/javaee"* xsi:schemaLocation=*"http://xmlns.jcp.org/xml/ns/javaee http://xmlns.jcp.org/xml/ns/javaee/web-app\_3\_1.xsd"* id=*"WebApp\_ID"* version=*"3.1"*>

<display-name>EMS</display-name>

<welcome-file-list>

<welcome-file>login.jsp</welcome-file>

</welcome-file-list>

<servlet>

<servlet-name>action</servlet-name>

<servlet-class>org.apache.struts.action.ActionServlet</servlet-class>

<init-param>

<param-name>config</param-name>

<param-value>/WEB-INF/struts-config.xml</param-value>

</init-param>

<load-on-startup>1</load-on-startup>

</servlet>

<servlet-mapping>

<servlet-name>action</servlet-name>

<url-pattern>\*.do</url-pattern>

</servlet-mapping>

</web-app>

1. Admin/adminscucess.jsp

Adminsuccess

1. Employee/employeesuccess.jsp

Employeesuccess

1. User/usersuccess.jsp

Usersuccess

1. LoginAction.java

**package** com.ds.ems.main;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.PreparedStatement;

**import** java.sql.ResultSet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

**import** org.apache.struts.action.Action;

**import** org.apache.struts.action.ActionForm;

**import** org.apache.struts.action.ActionForward;

**import** org.apache.struts.action.ActionMapping;

**import** org.apache.struts.action.ActionMessage;

**import** org.apache.struts.action.ActionMessages;

**public** **class** LoginAction **extends** Action {

@Override

**public** ActionForward execute(ActionMapping mapping, ActionForm form, HttpServletRequest request,

HttpServletResponse response) **throws** Exception {

// **TODO** Auto-generated method stub

LoginForm lf= (LoginForm) form;

String uname=lf.getUname();

String pass= lf.getPass();

String role=lf.getRole();

Class.*forName*("com.mysql.jdbc.Driver");

Connection con= DriverManager.*getConnection*("jdbc:mysql://localhost/EMP", "root", "welcome");

PreparedStatement ps=con.prepareStatement("select \* from login where username=? and password=? and userrole=?");

ps.setString(1, uname);

ps.setString(2, pass);

ps.setString(3, role);

ActionForward af= mapping.findForward("success");

ResultSet rs= ps.executeQuery();

**if** (rs.next()){

**if** (role.equals("admin"))

af=mapping.findForward("adminsuccess");

**if** (role.equals("employee"))

af=mapping.findForward("employeesuccess");

**if** (role.equals("user"))

af=mapping.findForward("usersuccess");

}

**else**{

ActionMessages am= **new** ActionMessages();

am.add("uname", **new** ActionMessage("msg3"));

am.add("pass", **new** ActionMessage("msg4"));

addErrors(request, am);

af=mapping.findForward("samepage");

}

**return** af;

}

}

1. LoginForm

**package** com.ds.ems.main;

**import** java.util.ArrayList;

**import** javax.servlet.http.HttpServletRequest;

**import** org.apache.struts.action.ActionErrors;

**import** org.apache.struts.action.ActionForm;

**import** org.apache.struts.action.ActionMapping;

**import** org.apache.struts.action.ActionMessage;

**public** **class** LoginForm **extends** ActionForm {

**private** String uname, pass;

**private** String role;

ArrayList rolelist= **new** ArrayList();

**public** String getRole() {

**return** role;

}

**public** **void** setRole(String role) {

**this**.role = role;

}

**public** String getUname() {

**return** uname;

}

**public** **void** setUname(String uname) {

**this**.uname = uname;

}

**public** String getPass() {

**return** pass;

}

**public** **void** setPass(String pass) {

**this**.pass = pass;

}

**public** ArrayList getRolelist() {

ArrayList list= **new** ArrayList();

list.add(0, "admin");

list.add(1, "employee");

list.add(2, "user");

**return** list;

}

**public** **void** setRolelist(ArrayList rolelist) {

**this**.rolelist = rolelist;

}

@Override

**public** ActionErrors validate(ActionMapping mapping, HttpServletRequest request) {

// **TODO** Auto-generated method stub

ActionErrors ae= **new** ActionErrors();

**if** (uname=="")

ae.add("uname", **new** ActionMessage("msg1"));

**if** (pass=="")

ae.add("pass", **new** ActionMessage("msg2"));

**return** ae;

}

}