Struts Example Using Collection

1. Index.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

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

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html:html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=ISO-8859-1"*>

<title>Collection</title>

</head>

<body>

<h1>Collection</h1>

<html:form action=*"reg"* method=*"post"*>

<table>

<tr>

<td>ID number</td>

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

<td><html:errors property=*"e\_id"*/></td>

</tr>

<tr>

<td>First Name</td>

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

<td><html:errors property=*"e\_fname"*/></td>

</tr>

<tr>

<td>Last Name</td>

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

<td><html:errors property=*"l\_name"*/></td>

</tr>

<tr>

<td></td>

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

<td></td>

</tr>

</table>

</html:form>

</body>

</html:html>

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>RegCollection</display-name>

<welcome-file-list>

<welcome-file>index.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. struts-config.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>RegCollection</display-name>

<welcome-file-list>

<welcome-file>index.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. CollectBackup.java

package beans;

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 CollectBackup extends ActionForm {

int id;

String fname, lname;

public int getId() {

return id;

}

public void setId(int id) {

this.id = id;

}

public String getFname() {

return fname;

}

public void setFname(String fname) {

this.fname = fname;

}

public String getLname() {

return lname;

}

public void setLname(String lname) {

this.lname = lname;

}

@Override

public ActionErrors validate(ActionMapping mapping, HttpServletRequest request) {

// TODO Auto-generated method stub

ActionErrors ae= new ActionErrors();

if (id==0)

ae.add("id", new ActionMessage("msg1"));

if (fname.equals(""))

ae.add("fname\_e", new ActionMessage("msg2"));

if (lname.equals(""))

ae.add("lname", new ActionMessage("msg2"));

return ae;

}

}

1. CollectBackup.java

**package** beans;

**import** java.util.\*;

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

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

**import** javax.servlet.http.HttpSession;

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

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

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

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

**public** **class** CollectController **extends** Action {

@Override

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

HttpServletResponse response) **throws** Exception {

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

CollectBackup backform= (CollectBackup) form;

**int** id= backform.getId();

String fname= backform.getFname();

String lname= backform.getLname();

Map<Integer, List<String>> peoplebyid= **new** HashMap<Integer, List<String>>();

List<String> people= **new** ArrayList<String>();

people.add(fname);

people.add(lname);

peoplebyid.put(id, people);

HttpSession session= request.getSession();

session.setAttribute("people", peoplebyid);

**return** mapping.findForward("success");

}

}

1. Success.jsp

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

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

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

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv=*"Content-Type"* content=*"text/html; charset=ISO-8859-1"*>

<title>Record inserted</title>

<style type=*"text/css"*>

**td,th** {

border: *1px solid red*

}

</style>

</head>

<body>

<h1>Successfully inserted</h1>

<logic:iterate id=*"mapEntry"* name=*"people"*>

<bean:define id=*"person\_name"* name=*"mapEntry"* property=*"value"*/>

<tr>

<td><bean:write name=*"mapEntry"* property=*"key"*/></td>

<td><bean:write name=*"person\_name"* property=*"firstname"*/></td>

<td><bean:write name=*"person\_name"* property=*"lastname"*/></td>

</tr>

</logic:iterate>

</body>

</html>