[首頁](https://www.twblogs.net/" \t "_blank) / [struts 1.x](https://www.twblogs.net/c/5b7e3e6a2b71776838561b03/) / 正文

**MiniHR 01.set up the demo website**

原創[大连IT精英](https://www.twblogs.net/u/5b8be9ae2b717718832ef4b2)2018-09-02 21:46

MiniHR:  
  
1.web folder:  
c:\workspace\MiniHR\src  
c:\workspace\MiniHR\WebContent\readme.txt  
c:\workspace\MiniHR\WebContent\lib  
c:\workspace\MiniHR\WebContent\WEB-INF\classes  
c:\workspace\MiniHR\WebContent\WEB-INF\web.xml  
c:\workspace\MiniHR\WebContent\WEB-INF\struts-config.xml  
  
2.import all struts 1.3.10 jars to \MiniHR\WebContent\lib  
  
3.  
index.jsp  
search.jsp  
SearchForm.java  
SearchAction.java  
EmployeeSearchService.java  
Employee.java  
web.xml  
struts-config.xml  
validation.xml(copied from struts 1.3.10)  
MessageResources.properties

------------------------------------------------------------------------------------

index.jsp

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

<**html**>

<**head**>

<**meta** http-equiv="Content-Type" content="text/html; charset=UTF-8">

<**title**>ABC, Inc. Human Resource Portal</**title**>

</**head**>

<**body**>

<**font** size="+1">ABC, Inc. Human Resource Portal</**font**><**br**>

<**hr** width="100%" noshade="true">

&#149; Add an Employee<**br**>

&#149; <**html:link** forward="search">Search for Employees</**html:link**>

</**body**>

</**html**>

search.jsp

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

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

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

<**html**>

<**head**>

<**title**>ABC, Inc. Human Resource Portal - Employee Search</**title**>

</**head**>

<**body**>

<**font** size="+1">

ABC, Inc. Human Resource Portal - Employee Search

</**font**><**br**>

<**hr** width="100%" noshade="true">

<**html:errors**/>

<**html:form** action="/search">

<**table**>

<**tr**>

<**td** align="right"><**bean:message** key="label.search.name"/>:

</**td**>

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

</**td**>

</**tr**>

<**tr**>

<**td**></**td**>

<**td**>-- or --</**td**>

</**tr**>

<**tr**>

<**td** align="right"><**bean:message** key="label.search.ssNum"/>:

</**td**>

<**td**><**html:text** property="ssNum"/>(xxx-xx-xxxx)</**td**>

</**tr**>

<**tr**>

<**td**></**td**>

<**td**><**html:submit**/></**td**>

</**tr**>

</**table**>

</**html:form**>

<**logic:present** name="searchForm" property="results">

<**hr** width="100%" size="1" noshade="true">

<**bean:size** id="size" name="searchForm" property="results" />

<**logic:equal** name="size" value="0">

<**center**><**font** color="red"><**b**>No Employees Found</**b**></**font**>

</**center**>

</**logic:equal**>

<**logic:greaterThan** name="size" value="0">

<**table** border="1">

<**tr**>

<**th**>Name</**th**>

<**th**>Social Secutiry Number</**th**>

</**tr**>

<**logic:iterate** id="result" name="searchForm" property="results">

<**tr**>

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

<**td**><**bean:write** name="result" property="ssNum"/></**td**>

</**tr**>

</**logic:iterate**>

</**table**>

</**logic:greaterThan**>

</**logic:present**>

</**body**>

</**html**>

SearchForm.java

**package** com.jamesholmes.struts;

**import** java.util.List;

**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** **SearchForm** **extends** **ActionForm** {

**private** **static** **final** **long** serialVersionUID = 1L;

**private** String name = **null**;

**private** String ssNum = **null**;

**private** List results = **null**;

**public** String **getName**() {

**return** name;

}

**public** **void** **setName**(String name) {

**this**.name = name;

}

**public** String **getSsNum**() {

**return** ssNum;

}

**public** **void** **setSsNum**(String ssNum) {

**this**.ssNum = ssNum;

}

**public** List **getResults**() {

**return** results;

}

**public** **void** **setResults**(List results) {

**this**.results = results;

}

@Override

// Reset form fields.

**public** **void** **reset**(ActionMapping mapping, HttpServletRequest request) {

**this**.name = **null**;

**this**.ssNum = **null**;

**this**.results = **null**;

}

@Override

// Validate form data.

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

ActionErrors errors = **new** ActionErrors();

**boolean** nameEntered = **false**;

**boolean** ssNumEntered = **false**;

// Determine if name has been entered.

**if** (name != **null** && name.length() > 0) {

nameEntered = **true**;

}

// Determine if social security number has been entered.

**if** (ssNum != **null** & ssNum.length() > 0) {

ssNumEntered = **true**;

}

// Validate that either name or social security number has been entered.

**if** (!nameEntered && !ssNumEntered) {

errors.add(**null**, **new** ActionMessage("error.search.criteria.missing"));

}

// Validate format of social security number if it has been entered.

**if** (ssNumEntered && !isValidSsNum(ssNum.trim())) {

errors.add("ssNum",

**new** ActionMessage("error.search.ssNum.invalid"));

}

**return** errors;

}

// Validate format of social security number.

**private** **static** **boolean** **isValidSsNum**(String ssNum) {

**if** (ssNum.length() < 11) {

**return** **false**;

}

**for** (**int** i = 0; i < 11; i++) {

**if** (i == 3 || i == 6) {

**if** (ssNum.charAt(i) != '-') {

**return** **false**;

}

} **else** **if** ("0123456789".indexOf(ssNum.charAt(i)) == -1) {

**return** **false**;

}

}

**return** **true**;

}

}

SearchAction.java

**package** com.jamesholmes.struts;

**import** java.util.ArrayList;

**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;

**public** **class** **SearchAction** **extends** **Action** {

@Override

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

HttpServletRequest request, HttpServletResponse response) **throws** Exception {

EmployeeSearchService service = **new** EmployeeSearchService();

ArrayList results;

SearchForm searchForm = (SearchForm) form;

// Perform employee search based on what criteria was entered.

String name = searchForm.getName();

**if** (name != **null** && name.trim().length() > 0) {

results = service.searchByName(name);

} **else** {

results = service.searchBySsNum(searchForm.getSsNum().trim());

}

// Place search results in SearchForm for access by JSP.

searchForm.setResults(results);

// Forward control to this Action's input page.

**return** mapping.getInputForward();

}

}

EmployeeSearchService.java

**package** com.jamesholmes.struts;

**import** java.util.ArrayList;

**public** **class** **EmployeeSearchService** {

/\* Hard-coded sample data. Normally this would come from a real data source such as a database. \*/

**private** **static** Employee[] employees =

{

**new** Employee("Bob Davidson", "123-45-6789"),

**new** Employee("Mary Williams", "987-65-4321"),

**new** Employee("Jim Smith", "111-11-1111"),

**new** Employee("Beverly Harris", "222-22-2222"),

**new** Employee("Thomas Frank", "333-33-3333"),

**new** Employee("Jim Davidson", "444-44-4444")

};

// Search for employees by name.

**public** ArrayList **searchByName**(String name) {

ArrayList resultList = **new** ArrayList();

**for** (**int** i=0; i < employees.length; i++) {

**if** (employees[i].getName().toUpperCase().indexOf(name.toUpperCase())!= -1) {

resultList.add(employees[i]);

}

}

**return** resultList;

}

// Search for employee by social security number.

**public** ArrayList **searchBySsNum**(String ssNum) {

ArrayList resultList = **new** ArrayList();

**for** (**int** i=0; i < employees.length; i++) {

**if** (employees[i].getSsNum().equals(ssNum)) {

resultList.add(employees[i]);

}

}

**return** resultList;

}

}

Employee.java

**package** com.jamesholmes.struts;

**public** **class** **Employee** {

**private** String name;

**private** String ssNum;

**public** **Employee**(String name, String ssNum) {

**this**.name = name;

**this**.ssNum = ssNum;

}

**public** String **getName**() {

**return** name;

}

**public** **void** **setName**(String name) {

**this**.name = name;

}

**public** String **getSsNum**() {

**return** ssNum;

}

**public** **void** **setSsNum**(String ssNum) {

**this**.ssNum = ssNum;

}

}

web.xml

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

<**web-app** xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://java.sun.com/xml/ns/javaee" xmlns:web="http://java.sun.com/xml/ns/javaee/web-app\_2\_5.xsd"

xsi:schemaLocation="http://java.sun.com/xml/ns/javaee http://java.sun.com/xml/ns/javaee/web-app\_2\_5.xsd" id="WebApp\_ID" version="2.5">

<**display-name**>MiniHR</**display-name**>

<!-- Action Servlet Configuration -->

<**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**>

<!-- Action Servlet Mapping -->

<**servlet-mapping**>

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

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

</**servlet-mapping**>

<!-- The Welcome File List -->

<**welcome-file-list**>

<**welcome-file**>/index.jsp</**welcome-file**>

</**welcome-file-list**>

<!-- StrutsTag Library Descriptors

<taglib>

<tablib-uri>/WEB-INF/tlds/struts-bean.tld</tablib-uri>

<tablib-location>/WEB-INF/tlds/struts-bean.tld</tablib-location>

</taglib>

<taglib>

<tablib-uri>/WEB-INF/tlds/struts-html.tld</tablib-uri>

<tablib-location>/WEB-INF/tlds/struts-html.tld</tablib-location>

</taglib>

<taglib>

<tablib-uri>/WEB-INF/tlds/struts-logic.tld</tablib-uri>

<tablib-location>/WEB-INF/tlds/struts-logic.tld</tablib-location>

</taglib>

-->

</**web-app**>

struts-config.xml

<?xml version="1.0" encoding="ISO-8859-1" ?>

<!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 Configuration -->

<**form-beans**>

<**form-bean** name="searchForm" type="com.jamesholmes.struts.SearchForm" />

</**form-beans**>

<**global-exceptions**>

<!-- sample exception handler

<exception

key="expired.password"

type="app.ExpiredPasswordException"

path="/changePassword.jsp"/>

end sample -->

</**global-exceptions**>

<!-- Global Forwards Configuration -->

<**global-forwards**>

<**forward**

name="search"

path="/search.jsp"/>

</**global-forwards**>

<!-- Action Mapping Configuration -->

<**action-mappings**>

<**action**

path="/search"

type="com.jamesholmes.struts.SearchAction"

name="searchForm"

scope="request"

validate="true"

input="/search.jsp">

</**action**>

</**action-mappings**>

<!-- Message Resources Configuration -->

<**message-resources** parameter="com.jamesholmes.struts.MessageResources" />

<!-- =============================================== Plug Ins Configuration -->

<!-- ======================================================= Tiles plugin -->

<!--

This plugin initialize Tiles definition factory. This later can takes some

parameters explained here after. The plugin first read parameters from

web.xml, thenoverload them with parameters defined here. All parameters

are optional.

The plugin should be declared in each struts-config file.

- definitions-config: (optional)

Specify configuration file names. There can be several comma

separated file names (default: ?? )

- moduleAware: (optional - struts1.1)

Specify if the Tiles definition factory is module aware. If true

(default), there will be one factory for each Struts module.

If false, there will be one common factory for all module. In this

later case, it is still needed to declare one plugin per module.

The factory will be initialized with parameters found in the first

initialized plugin (generally the one associated with the default

module).

true : One factory per module. (default)

false : one single shared factory for all modules

- definitions-parser-validate: (optional)

Specify if xml parser should validate the Tiles configuration file.

true : validate. DTD should be specified in file header (default)

false : no validation

Paths found in Tiles definitions are relative to the main context.

To use this plugin, download and add the Tiles jar to your WEB-INF/lib

directory then uncomment the plugin definition below.

<plug-in className="org.apache.struts.tiles.TilesPlugin" >

<set-property property="definitions-config"

value="/WEB-INF/tiles-defs.xml" />

<set-property property="moduleAware" value="true" />

</plug-in>

-->

<!-- =================================================== Validator plugin -->

<**plug-in** className="org.apache.struts.validator.ValidatorPlugIn">

<**set-property**

property="pathnames"

value="/WEB-INF/validation.xml"/>

</**plug-in**>

</**struts-config**>

validation.xml (copied from struts 1.3.10)

<?xml version="1.0" encoding="ISO-8859-1" ?>

<!--

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limitations under the License.

-->

<!DOCTYPE form-validation PUBLIC

"-//Apache Software Foundation//DTD Commons Validator Rules Configuration 1.3.0//EN"

"http://jakarta.apache.org/commons/dtds/validator\_1\_3\_0.dtd">

<**form-validation**>

<!--

This is a minimal Validator form file with a couple of examples.

-->

<**global**>

<!-- An example global constant

<constant>

<constant-name>postalCode</constant-name>

<constant-value>^\d{5}\d\*$</constant-value>

</constant>

end example-->

</**global**>

<**formset**>

<!-- An example form -->

<**form** name="logonForm">

<**field**

property="username"

depends="required">

<**arg** key="logonForm.username"/>

</**field**>

<**field**

property="password"

depends="required,mask">

<**arg** key="logonForm.password"/>

<**var**>

<**var-name**>mask</**var-name**>

<**var-value**>^[0-9a-zA-Z]\*$</**var-value**>

</**var**>

</**field**>

</**form**>

</**formset**>

<!-- An example formset for another locale -->

<**formset** language="fr">

<**constant**>

<**constant-name**>postalCode</**constant-name**>

<**constant-value**>^[0-9a-zA-Z]\*$</**constant-value**>

</**constant**>

<!-- An example form -->

<**form** name="logonForm">

<**field**

property="username"

depends="required">

<**arg** key="logonForm.username"/>

</**field**>

<**field**

property="password"

depends="required,mask">

<**arg** key="logonForm.password"/>

<**var**>

<**var-name**>mask</**var-name**>

<**var-value**>^[0-9a-zA-Z]\*$</**var-value**>

</**var**>

</**field**>

</**form**>

</**formset**>

</**form-validation**>

MessageResources.properties

# Label Resources

label.search.name=Name

label.search.ssNum=Social Security Number

# Error Resources

error.search.criteria.missing=<**li**>Search Criteria Missing</**li**>

error.search.ssNum.invalid=<**li**>Invalid Social Security Number</**li**>

errors.header=<**font** color="red"><**b**>Validation Error(s)</**b**></**font**><**ul**>

errors.footer=</**ul**><**hr** width="100%" size="1" noshade="true">