

STRUTS 2 - THE IF AND ELSE TAGS

http://www.tutorialspoint.com/struts_2/struts_if_else_tags.htm

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Create action class

```
package com.tutorialspoint.struts2;

public class HelloWorldAction{
    private String name;

    public String execute() throws Exception {
        return "success";
    }

    public String getName() {
        return name;
    }

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

Create views

Let us have **index.jsp** file as follows:

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1"%>
<%@ taglib prefix="s" uri="/struts-tags"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
    "http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<title>Hello World</title>
</head>
<body>
    <h1>Hello World From Struts2</h1>
    <form action="hello">
        <label for="name">Please pick a name</label><br/>
        <select name="name">
            <option name="Mike">Mike</option>
            <option name="Jason">Jason</option>
            <option name="Mark">Mark</option>
        </select>
        <input type="submit" value="Say Hello"/>
    </form>
</body>
</html>
```

Next let us have **HelloWorld.jsp** to demonstrate the use of the **if**, **else** and **elseif** tags:

```
<%@ page contentType="text/html; charset=UTF-8" %>
<%@ taglib prefix="s" uri="/struts-tags" %>
<html>
<head>
<title>Example of If and Else</title>
</head>
<body>
<b>Example of If and Else</b><br/>
<s:if test="name=='Mike'">
    You have selected 'Mike'.
</s:if>
<s:elseif test="name=='Jason'">
```

```
You have selected 'Jason'
</s:elseif>
<s:else>
    You have not selected 'Mike' or 'Jason'.
</s:else>
</body>
</html>
```

Here, the if tag returns true if the condition specified in the "test" attribute returns true. In our case we are comparing it against "Mike". If the name is Mike, the tag returns true and we print the string, otherwise the "elseif" block gets executed and if that is not satisfied, then the else block gets executed. This is no different from the conventional if, else if and else available in the Java language.

Configuration Files

Your **struts.xml** should look like:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE struts PUBLIC
    "-//Apache Software Foundation//DTD Struts Configuration 2.0//EN"
    "http://struts.apache.org/dtds/struts-2.0.dtd">
<struts>
<constant name="struts.devMode" value="true" />
    <package name="helloworld" extends="struts-default">

        <action name="hello"

            method="execute">
                <result name="success">/HelloWorld.jsp</result>
            </action>

    </package>
</struts>
```

Your **web.xml** should look like:

```
<?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_3_0.xsd"
    >

    <display-name>Struts 2</display-name>
    <welcome-file-list>
        <welcome-file>index.jsp</welcome-file>
    </welcome-file-list>
    <filter>
        <filter-name>struts2</filter-name>
        <filter-class>
            org.apache.struts2.dispatcher.FilterDispatcher
        </filter-class>
    </filter>

    <filter-mapping>
        <filter-name>struts2</filter-name>
        <url-pattern>/*</url-pattern>
    </filter-mapping>
</web-app>
```

Right click on the project name and click **Export > WAR File** to create a War file. Then deploy this WAR in the Tomcat's webapps directory. Finally, start Tomcat server and try to access URL <http://localhost:8080/HelloWorldStruts2/index.jsp>. This will give you following screen:

Now select "Mark" and submit the page. You should see the next page