

SPRING - PAGE REDIRECTION EXAMPLE

http://www.tutorialspoint.com/spring/spring_page_redirection_example.htm

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The following example show how to write a simple web based application which makes use of **redirect** to transfer a http request to another another page. To start with it, let us have working Eclipse IDE in place and follow the following steps to develop a Dynamic Form based Web Application using Spring Web Framework:

Step	Description
1	Create a <i>Dynamic Web Project</i> with a name <i>HelloWeb</i> and create a package <i>com.tutorialspoint</i> under the <i>src</i> folder in the created project.
2	Drag and drop below mentioned Spring and other libraries into the folder <i>WebContent/WEB-INF/lib</i> .
3	Create a Java class <i>WebController</i> under the <i>com.tutorialspoint</i> package.
4	Create Spring configuration files <i>Web.xml</i> and <i>HelloWeb-servlet.xml</i> under the <i>WebContent/WEB-INF</i> folder.
5	Create a sub-folder with a name <i>jsp</i> under the <i>WebContent/WEB-INF</i> folder. Create view files <i>index.jsp</i> and <i>final.jsp</i> under this sub-folder.
6	The final step is to create the content of all the source and configuration files and export the application as explained below.

Here is the content of **WebController.java** file:

```
package com.tutorialspoint;

import org.springframework.stereotype.Controller;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.RequestMethod;

@Controller
public class WebController {

    @RequestMapping(value = "/index", method = RequestMethod.GET)
    public String index() {
        return "index";
    }

    @RequestMapping(value = "/redirect", method = RequestMethod.GET)
    public String redirect() {

        return "redirect:finalPage";
    }

    @RequestMapping(value = "/finalPage", method = RequestMethod.GET)
    public String finalPage() {

        return "final";
    }
}
```

Following is the content of Spring Web configuration file **web.xml**

```
<web-app
    xmlns="http://java.sun.com/xml/ns/j2ee"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://java.sun.com/xml/ns/j2ee
```

```

http://java.sun.com/xml/ns/j2ee/web-app_2_4.xsd">

<display-name>Spring Page Redirection</display-name>

<servlet>
    <servlet-name>HelloWeb</servlet-name>
    <servlet-class>
        org.springframework.web.servlet.DispatcherServlet
    </servlet-class>
    <load-on-startup>1</load-on-startup>
</servlet>

<servlet-mapping>
    <servlet-name>HelloWeb</servlet-name>
    <url-pattern>/</url-pattern>
</servlet-mapping>

</web-app>

```

Following is the content of another Spring Web configuration file **HelloWeb-servlet.xml**

```

<?xml version="1.0" encoding="UTF-8"?>
<beans xmlns="http://www.springframework.org/schema/beans"
    xmlns:context="http://www.springframework.org/schema/context"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="
        http://www.springframework.org/schema/beans
        http://www.springframework.org/schema/beans/spring-beans-3.0.xsd
        http://www.springframework.org/schema/context
        http://www.springframework.org/schema/context/spring-context-3.0.xsd">

    <context:component-scan base-package="com.tutorialspoint" />

    <bean >
        <property name="prefix" value="/WEB-INF/jsp/" />
        <property name="suffix" value=".jsp" />
    </bean>
</beans>

```

Following is the content of Spring view file **index.jsp**. This will be a landing page, this page will send a request to access **redirect** service method which will redirect this request to another service method and finally a **final.jsp** page will be displayed.

```

<%@taglib uri="http://www.springframework.org/tags/form" prefix="form"%>
<html>
<head>
    <title>Spring Page Redirection</title>
</head>
<body>
<h2>Spring Page Redirection</h2>
<p>Click below button to redirect the result to new page</p>
<form:form method="GET" action="/HelloWeb/redirect">
<table>
    <tr>
        <td>
            <input type="submit" value="Redirect Page"/>
        </td>
    </tr>
</table>
</form:form>
</body>
</html>

```

Following is the content of Spring view file **final.jsp**. This is the final redirected page.

```

<%@taglib uri="http://www.springframework.org/tags/form" prefix="form"%>
<html>

```

```
<head>
  <title>Spring Page Redirection</title>
</head>
<body>

<h2>Redirected Page</h2>

</body>
</html>
```

Finally, following is the list of Spring and other libraries to be included in your web application. You simply drag these files and drop them in **WebContent/WEB-INF/lib** folder.

- commons-logging-x.y.z.jar
- org.springframework.asm-x.y.z.jar
- org.springframework.beans-x.y.z.jar
- org.springframework.context-x.y.z.jar
- org.springframework.core-x.y.z.jar
- org.springframework.expression-x.y.z.jar
- org.springframework.web.servlet-x.y.z.jar
- org.springframework.web-x.y.z.jar
- spring-web.jar

Once you are done with creating source and configuration files, export your application. Right click on your application and use **Export > WAR File** option and save your **HelloWeb.war** file in Tomcat's *webapps* folder.

Now start your Tomcat server and make sure you are able to access other web pages from webapps folder using a standard browser. Now try a URL **http://localhost:8080/HelloWeb/index** and you should see the following result if everything is fine with your Spring Web Application:



Now click on "Redirect Page" button to submit the form and to get final redirected page. You should see the following result if everything is fine with your Spring Web Application:



