Spring MVC - Simple Url Handler Mapping Example

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The following example shows how to use Simple URL Handler Mapping using the Spring Web MVC framework. The SimpleUrlHandlerMapping class helps to explicitly-map URLs with their controllers respectively.

```
<beans>
   <bean class = "org.springframework.web.servlet.view.InternalResourceViewResolver">
      <property name = "prefix" value = "/WEB-INF/jsp/"/>
      <property name = "suffix" value = ".jsp"/>
   </bean>
      <property name = "mappings">
         <props>
            <prop key = "/welcome.htm">welcomeController</prop>
            <prop key = "/helloWorld.htm">helloController</prop>
         </props>
      </property>
   </bean>

   <bean id = "helloController" class = "com.tutorialspoint.HelloController" />

   <bean id = "welcomeController" class = "com.tutorialspoint.WelcomeController"/>
</beans>
```

For example, using above configuration, if URI

- /helloWorld.htm is requested, DispatcherServlet will forward the request to the **HelloController**.
- /welcome.htm is requested, DispatcherServlet will forward the request to the **WelcomeController**.

To start with, let us have a working Eclipse IDE in place and consider the following steps to develop a Dynamic Form based Web Application using the Spring Web Framework.

Step	Description

1	Create a project with a name **TestWeb** under a package com.tutorialspoint as explained in the Spring MVC - Hello World chapter.
2	Create Java classes HelloController and WelcomeController under the com.tutorialspoint package.
3	Create view files hello.jsp and welcome.jsp under the jsp sub-folder.
4	The final step is to create the content of the source and configuration files and export the application as explained below.

HelloController.java

```
package com.tutorialspoint;

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import org.springframework.web.servlet.ModelAndView;
import org.springframework.web.servlet.mvc.AbstractController;

public class HelloController extends AbstractController{

   @Override
   protected ModelAndView handleRequestInternal(HttpServletRequest request,
      HttpServletResponse response) throws Exception {
      ModelAndView model = new ModelAndView("hello");
      model.addObject("message", "Hello World!");
      return model;
   }
}
```

WelcomeController.java

```
package com.tutorialspoint;

import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import org.springframework.web.servlet.ModelAndView;
import org.springframework.web.servlet.mvc.AbstractController;

public class WelcomeController extends AbstractController{

   @Override
   protected ModelAndView handleRequestInternal(HttpServletRequest request,
      HttpServletResponse response) throws Exception {
      ModelAndView model = new ModelAndView("welcome");
      model.addObject("message", "Welcome!");
      return model;
   }
}
```

TestWeb-servlet.xml

```
<beans xmlns = "http://www.springframework.org/schema/beans"
   xmlns:context = "http://www.springframework.org/schema/context"
```

Who is Who

```
   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">

   <bean class = "org.springframework.web.servlet.view.InternalResourceViewResolver">
      <property name = "prefix" value = "/WEB-INF/jsp/"/>
      <property name = "suffix" value = ".jsp"/>
   </bean>

   <bean class = "org.springframework.web.servlet.handler.SimpleUrlHandlerMapping">
      <property name = "mappings">
         <props>
            <prop key = "/welcome.htm">welcomeController</prop>
            <prop key = "/helloWorld.htm">helloController</prop>
         </props>
      </property>
   </bean>

   <bean id = "helloController" class = "com.tutorialspoint.HelloController" />

   <bean id = "welcomeController" class = "com.tutorialspoint.WelcomeController"/>
</beans>
```

hello.jsp

```
<%@ page contentType = "text/html; charset = UTF-8" %>
<html>
   <head>
      <title>Hello World</title>
   </head>
   <body>
      <h2>${message}</h2>
   </body>
</html>
```

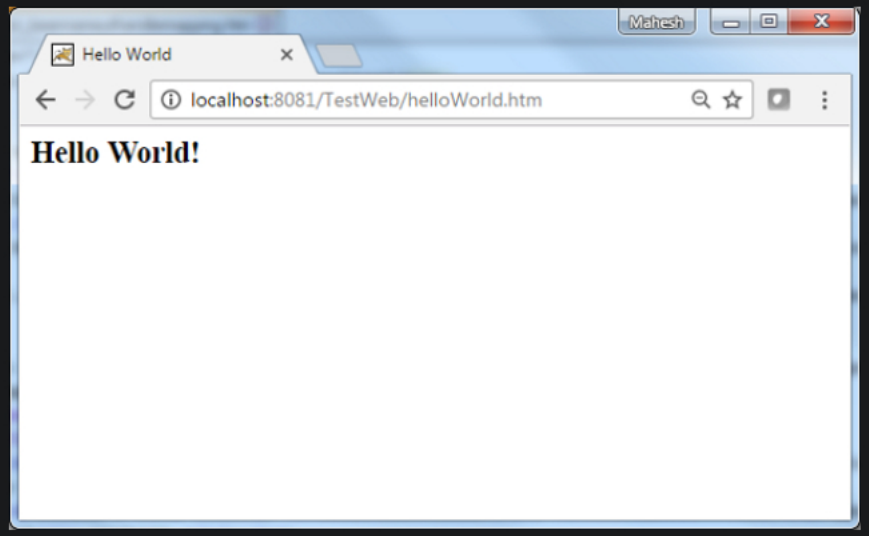
welcome.jsp

```
<%@ page contentType = "text/html; charset = UTF-8" %>
<html>
   <head>
      <title>Welcome</title>
   </head>
   <body>
      <h2>${message}</h2>
   </body>
</html>
```

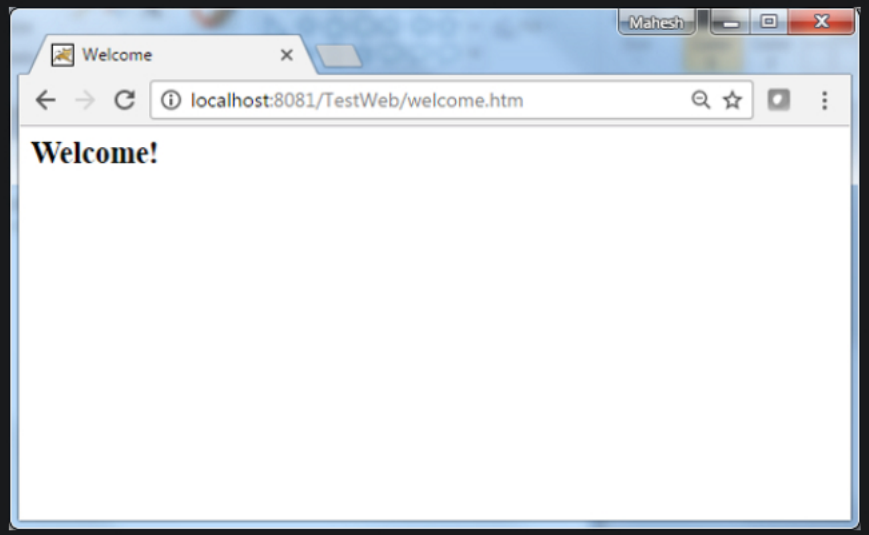
Once you are done with creating source and configuration files, export your application. Right click on your application, use the **Export → WAR File** option and save your **TestWeb.war** file in Tomcat's webapps folder.

Now, start your Tomcat server and make sure you are able to access other webpages from the webapps folder by using a standard browser. Try a URL – **http://localhost:8080/TestWeb/helloWorld.htm** and we will see the following screen, if

everything is fine with the Spring Web Application.



Try a URL **http://localhost:8080/TestWeb/welcome.htm** and you should see the following result if everything is fine with your Spring Web Application.



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