How to create Maven Web Apps project Spring MVC

1. Create new maven project
2. Search org.apache.Maven
3. Select archType- WebApps 1.4
4. Provide artefact ID as your project name
5. Click on Finish
6. Go to src/main/webapps/WEB-INF
7. Delete the web.xml file
8. Right Click on Project Name
9. Show in – System Explorer
10. Go inside the project -> go inside .setting -> Right click on xml file - > update version as 3.1 from 2.3.
11. Back to eclipse
12. Right click on project -> JAVA EE TOOLS -> UPDATE EAR LIBRARIES
13. AGAIN Right click on project -> JAVA EE TOOLS -> Generate deployment descriptor
14. Now, You will not be seeing src/main/java folders for the reason
15. Right click on project -> build path -> configure build path -> order and export -> select
    1. src/main.java
    2. Src/test/java

Now click on Apply and close

1. Now go to src down to deployed resources
   1. Src/main/webapp/
      1. You will see index.jsp with error
      2. To remove that error need to add Servlet JAR
2. Servlet JAR Dependecy

<!-- https://mvnrepository.com/artifact/javax.servlet/javax.servlet-api -->

<dependency>

<groupId>javax.servlet</groupId>

<artifactId>javax.servlet-api</artifactId>

<version>3.1.0</version>

<scope>provided</scope>

</dependency>

1. Add one more dependency
   1. Spring Web MVC

Spring Web MVC Dependecy

<!-- https://mvnrepository.com/artifact/org.springframework/spring-webmvc -->

<dependency>

<groupId>org.springframework</groupId>

<artifactId>spring-webmvc</artifactId>

<version>5.2.9.RELEASE</version>

</dependency>

Note:

If we add Spring Web MVC dependency, it will all other dependency which are needed to create spring core project

1. Spring core

5.2.9.Relieas

1. Spring context

5.2.9

1. Web.xml configuration

<servlet>

<servlet-name>dispatcher</servlet-name>

<servlet-class>org.springframework.web.servlet.DispatcherServlet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>dispatcher</servlet-name>

<url-pattern>/</url-pattern>

</servlet-mapping>

1. Inside Web-Inf folder create xml file with name dispatcher.xml(<servlet-name>dispatcher</servlet-name>)

dispatcher.xml configuration

<?xml version="1.0" encoding="UTF-8"?> <!-- NEED TO REMOVE SCHEMA "p". IT IS NOT PRESENT / 404 FOR THIS URL -->

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

xmlns:mvc="http://www.springframework.org/schema/mvc"

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

xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xmlns:p="http://www.springframework.org/schema/p"

xsi:schemaLocation="http://www.springframework.org/schema/mvc

http://www.springframework.org/schema/mvc/spring-mvc.xsd

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">

</beans>

Spring MVC Example

Create a MVC project to display Login form.

Take the credential from user after clicking on Login

Display another page with user name and password

1. Create loginForm.jsp page under view