Pom.xml tells the dependencies needed to run a spring web application

File structure:

Src>main>webapp>web-INF

Web-inf will house the classes, spring configuration files, views, web.xml

The first thing we check is web.xml file

Dispatcher servlet needs few initial configuration to understand how to behave

In the servlet-context.xml, it tells the dispatcher servlet about how to behave

The controllers are mapped in servlet context file, or atleasta strategy is defined about mapping the controllers with servlet-context

Internalresource view resolver helps in view resolving , adding prefix and suffix

Steps:

Create a Maven project

Properties>project facets, enable dynamic web module

Cretate a webapp folder in src>main

Create a home.jsp file in webapp folder

In java build path>add library>jre system library and also add pivotal server

Properties>Java EE> generate deployment descriptor (this will generate the web-inf directory and web.xml)

Notice when you run this on server it will show error on latest SpringMVCtoolsuite because befault welcome file name is “default.jsp” change it to home.jsp

We now have a standard compliant maven application, configured with eclipse dynamic web project facet, so it’s a web project , we also have a web.xml and home.jsp

To use spring MVD framework you must download the associated libraries, we do that using maven to resolve dependencies

Open pom.xml

To to dependencies tab

Note: error I faced: Index downloads are disabled, search results may be incomplete.

**Solutions I tried:**

In eclipse click on Windows > Preferences and choose Maven in the left side.

Now you have to check the box "Download repository index updates on startup"

Click OK and the warning should be gone.

Then you should restart eclipse.

I'm not sure, but maybe you have also to enable the "Download Artifact Sources" to get the results you want to find.

Tick 'Full Index Enabled' and then 'Rebuild Index' of the central repository in 'Global Repositories' under Window > Show View > Other > Maven > Maven Repositories, and it should work.

You also need to rebuild your maven repository index in 'maven repository view'.

In this view , open 'Global Repositories', right-click 'central', check 'Full Index Enable', and then, click 'Rebuild Index' in the same menu.

A 66M index file will be downloaded.

**Gontu series tutorial**

Dynamic web project, give name, next >next, check the create web.xml and create finish

Add the jar files in lib folder, also add commons login jar in the same

In web.xml add:

<servlet>

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

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

</servlet>

<servlet-mapping>

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

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

</servlet-mapping>

here we are telling once we receive any url request map it to front controller or dispatcher servlet, now that will take all responsibility of the next steps

Everything related to dispatcher servlet is in its own xml file, here its called spring-dispatcehr-servlet.xml, and we created this file in WEB-inf folder

There are muktiple handler mapping class, its your choice which one to use

Similarly there are many view resolver classes, and many base classes to extend from