**Spring MVC**

A Spring MVC is a Java framework which is used to build web applications. It follows the Model-View-Controller design pattern. It implements all the basic features of a core spring framework like Inversion of Control, Dependency Injection.

A Spring MVC provides an elegant solution to use MVC in spring framework by the help of **DispatcherServlet**. Here, **DispatcherServlet** is a class that receives the incoming request and maps it to the right resource such as controllers, models, and views.

## Spring Web Model-View-Controller:

* **Model** - A model contains the data of the application. A data can be a single object or a collection of objects.
* **Controller** - A controller contains the business logic of an application. Here, the @Controller annotation is used to mark the class as the controller.
* **View** - A view represents the provided information in a particular format. Generally, JSP+JSTL is used to create a view page. Although spring also supports other view technologies such as Apache Velocity, Thymeleaf and FreeMarker.

## Required Jar files :

* Spring Core jar files
* Spring Web jar files
* JSP + JSTL jar files

If you are using Maven, you don't need to add jar files. Now, you need to add maven dependency to the pom.xml file.

### **1. Provide project information and configuration in the pom.xml file.**

### **2. Create the controller class**

To create the controller class, we are using two annotations @Controller and @RequestMapping.

The @Controller annotation marks this class as Controller.

The @Requestmapping annotation is used to map the class with the specified URL name.

### **3. Provide the entry of controller in the web.xml file**

In this xml file, we are specifying the servlet class DispatcherServlet that acts as the front controller in Spring Web MVC. All the incoming request for the html file will be forwarded to the DispatcherServlet.

### **4. Define the bean in the xml file**

This is the important configuration file where we need to specify the View components.

The context:component-scan element defines the base-package where DispatcherServlet will search the controller class.

This xml file should be located inside the WEB-INF directory.

### **5. Display the message in the JSP page**

This is the simple JSP page, displaying the message returned by the Controller.