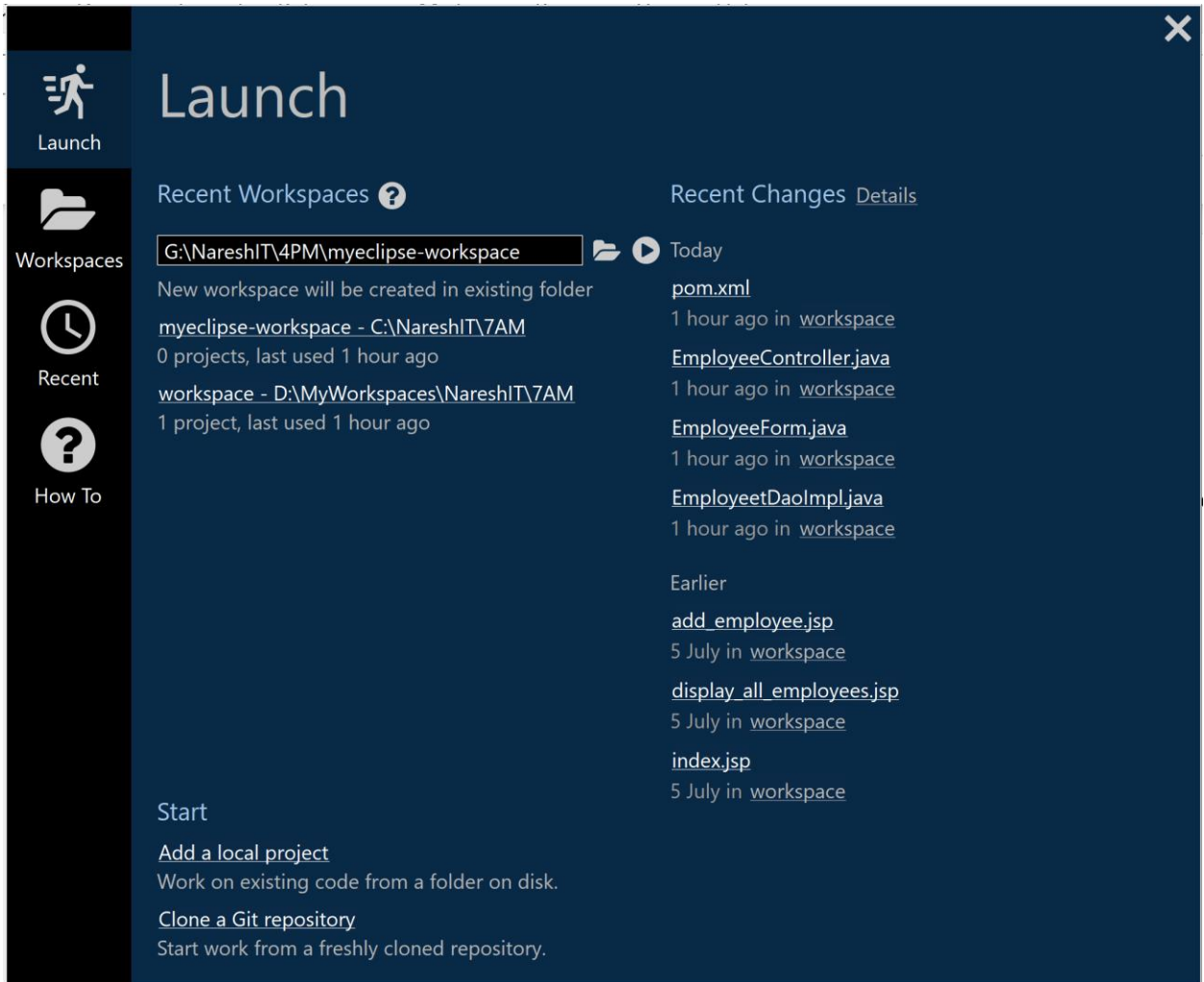
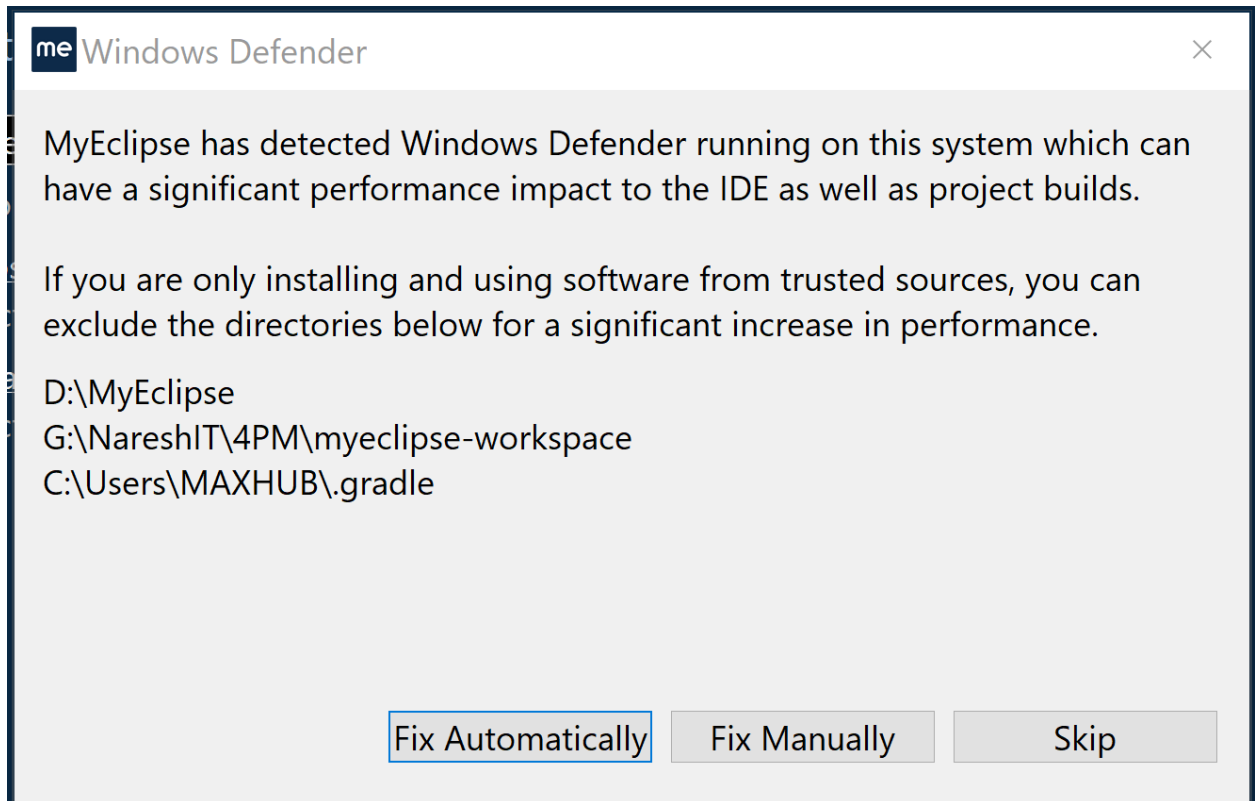


# MyEclipse Spring MVC Project Creation

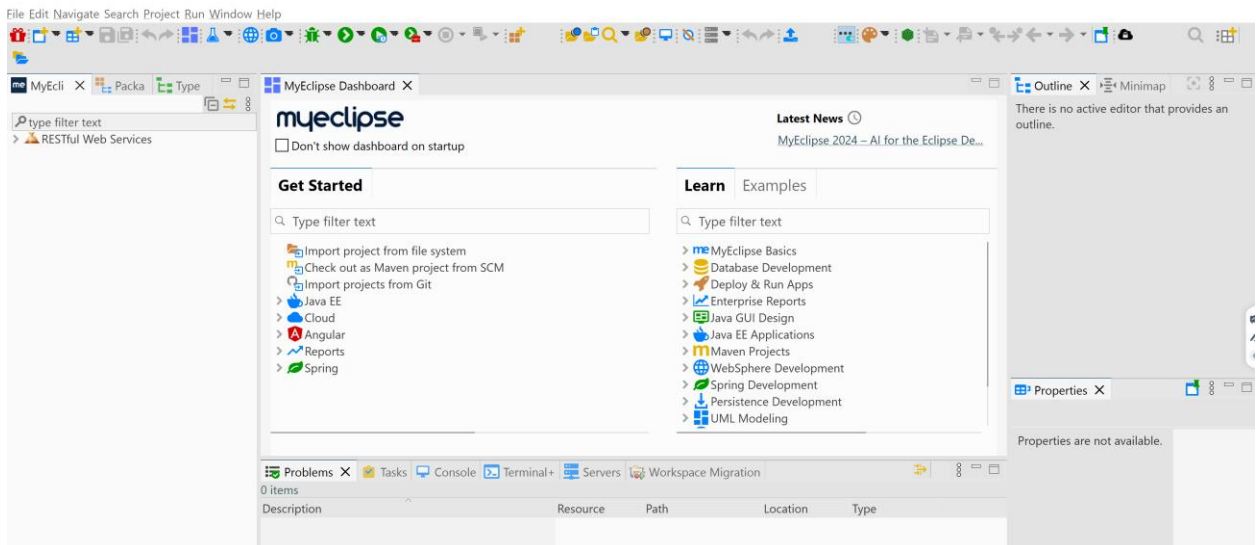
1. Open MyEclipse and create workspace in G:\NareshIT\4PM\myeclipse-workspace



2. And click on Play button.
3. It show a dialog box where click on "Fix Automatically"




- 4.
5. You will see the home page now.



- 6.
7. Right click on Project Explorer and New → Web Project

me New Web Project

## Create a JavaEE Web Project

 Name cannot be empty.


Project name:


Project location


☒ Use default location

Location:


Project configuration

Java EE version:  

Java version:  


JSTL Version:  

Target runtime




EAR membership


☐ Add project to an EAR

EAR project name:  

Working sets

☐ Add project to working sets

Working sets:  



- 8.
9. Enter the project name as: web\_aug09 and click on next

me New Web Project

## Create a JavaEE Web Project

Specify project name and other details

Project name:

Project location

☒ Use default location

Location:

Project configuration

Java EE version:

Java version:

JSTL Version:

Target runtime

EAR membership

☐ Add project to an EAR

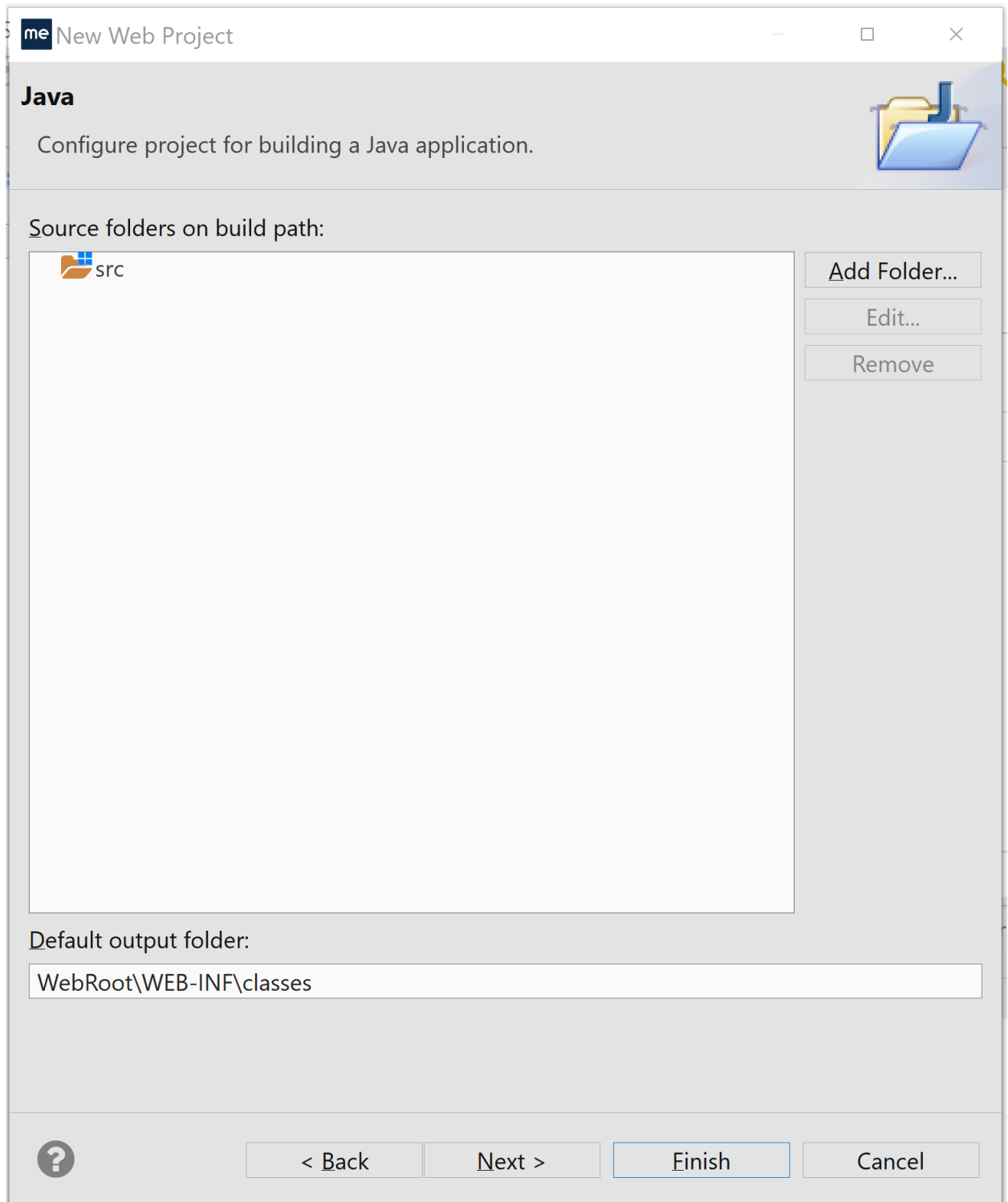
EAR project name:

Working sets

☐ Add project to working sets

Working sets:

10.



11.

12. And check the option for web.xml and click Next

me New Web Project

## Web Module


Configure web module settings.

Context root:

Content directory:

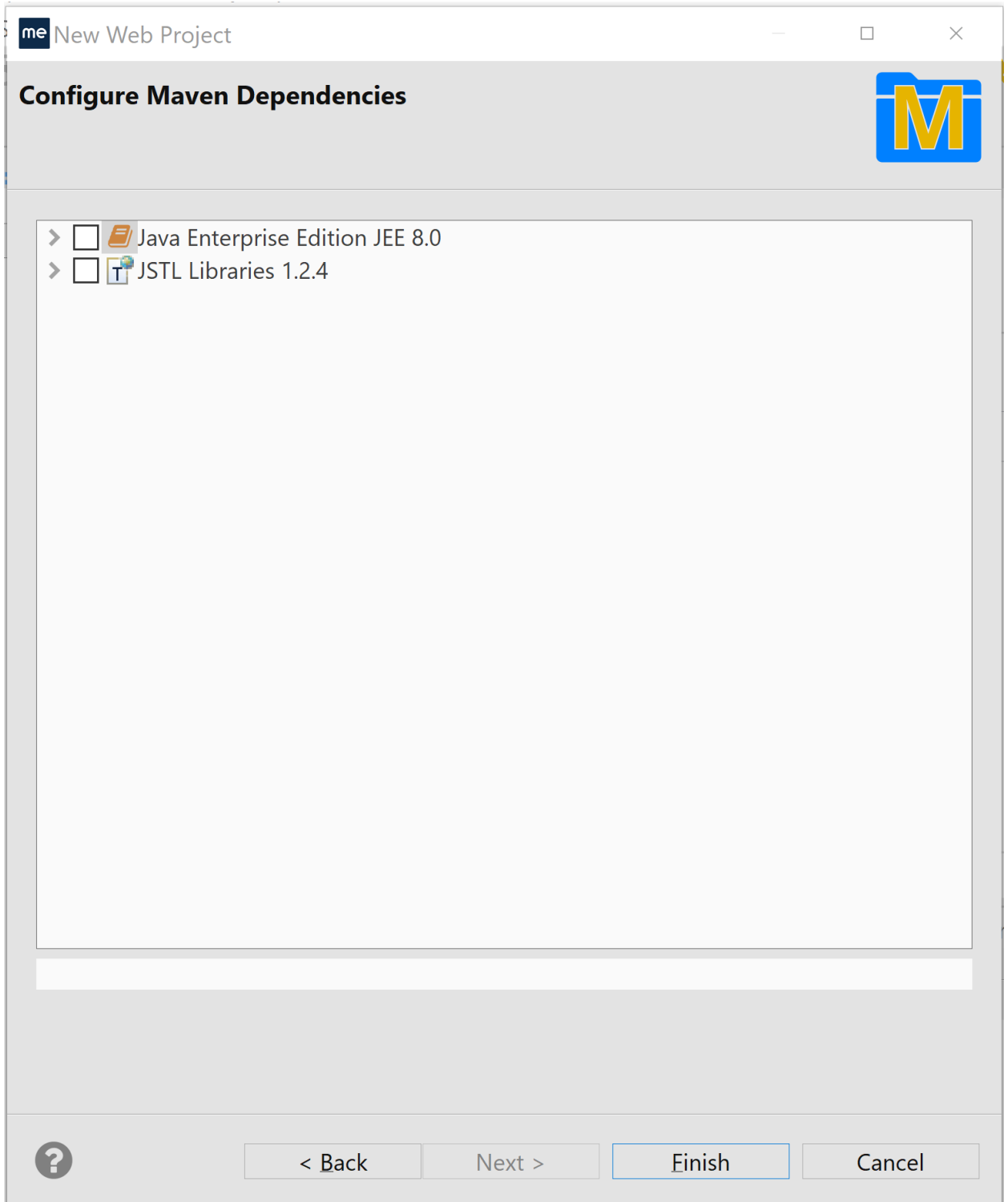
☒ Generate index.jsp welcome file

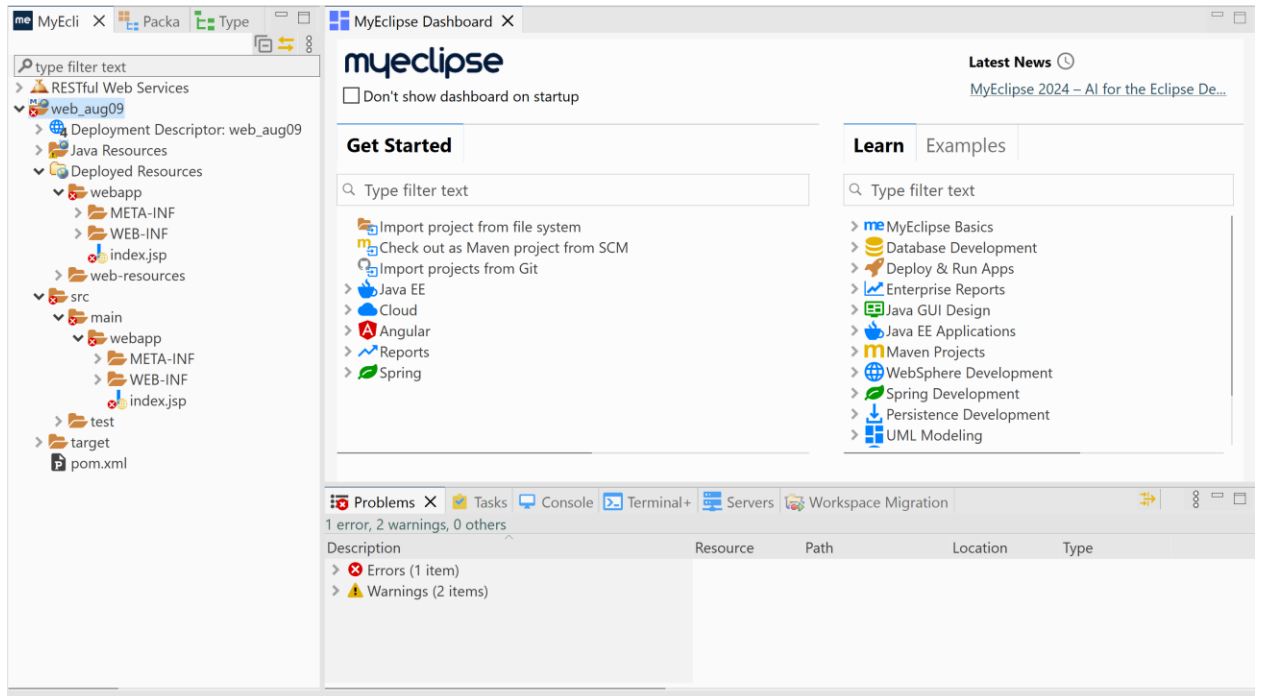
☒ Generate web.xml deployment descriptor



13.

14. Enter group id: **com.nareshit**, version as **1.0** and click on Next. Uncheck the maven dependencies, click Finish

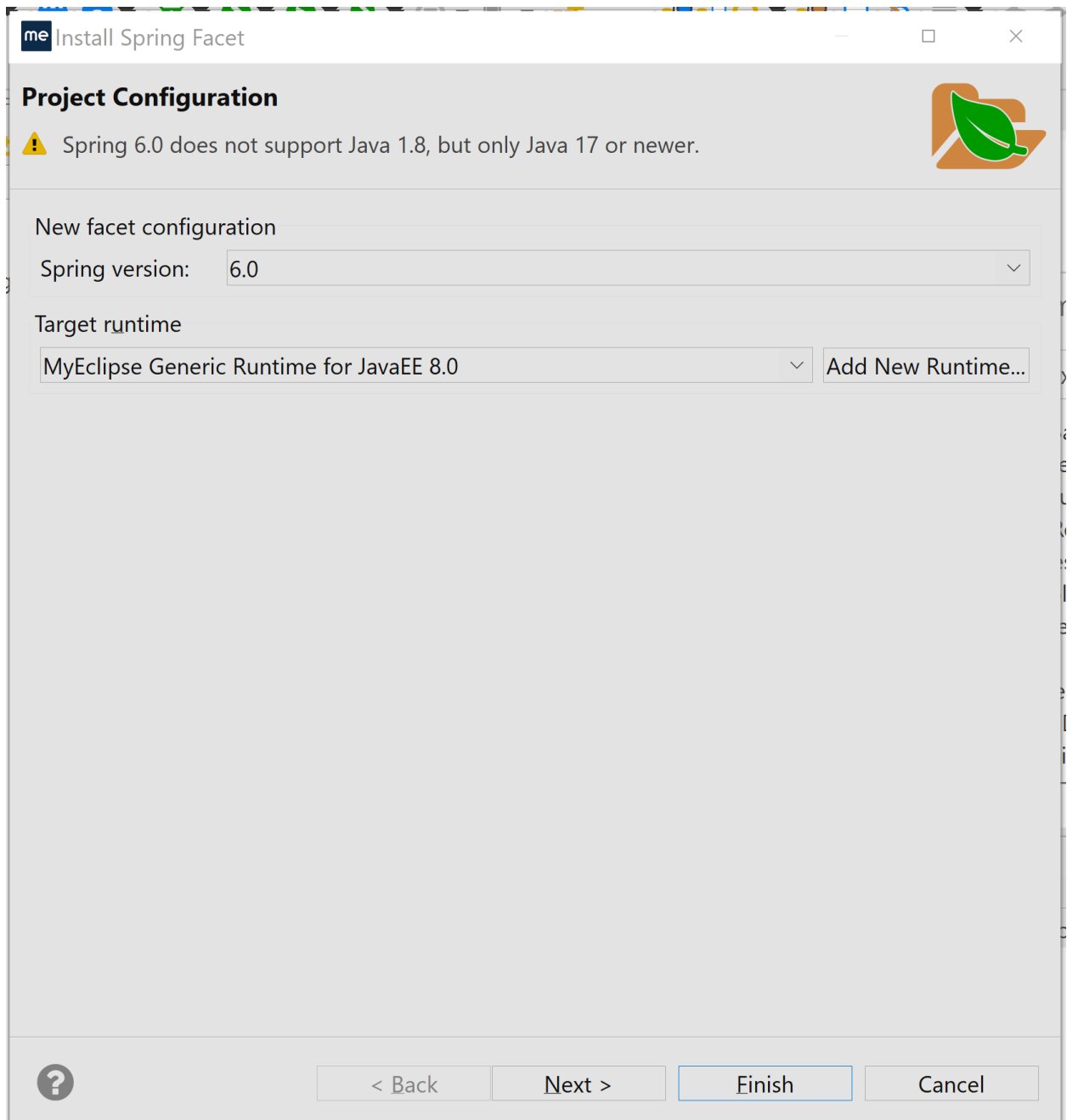




16.

17. Right click on project → Configure Facets → Install Spring Facet






18.

19. Click on Next and uncheck "Specify new or existing Spring bean configuration file?"

me Install Spring Facet

## Add Spring Capabilities

Configure Spring project




### Configure Spring libraries

Type: Disable Library Configuration

Library configuration is disabled. Further classpath changes may be required later.

☒ Enable AOP Builder


 Larger projects that do not use Spring AOP may see a performance gain by leaving this disabled.

☐ Specify new or existing Spring bean configuration file?

Bean configuration type: ☒ New ☐ Existing

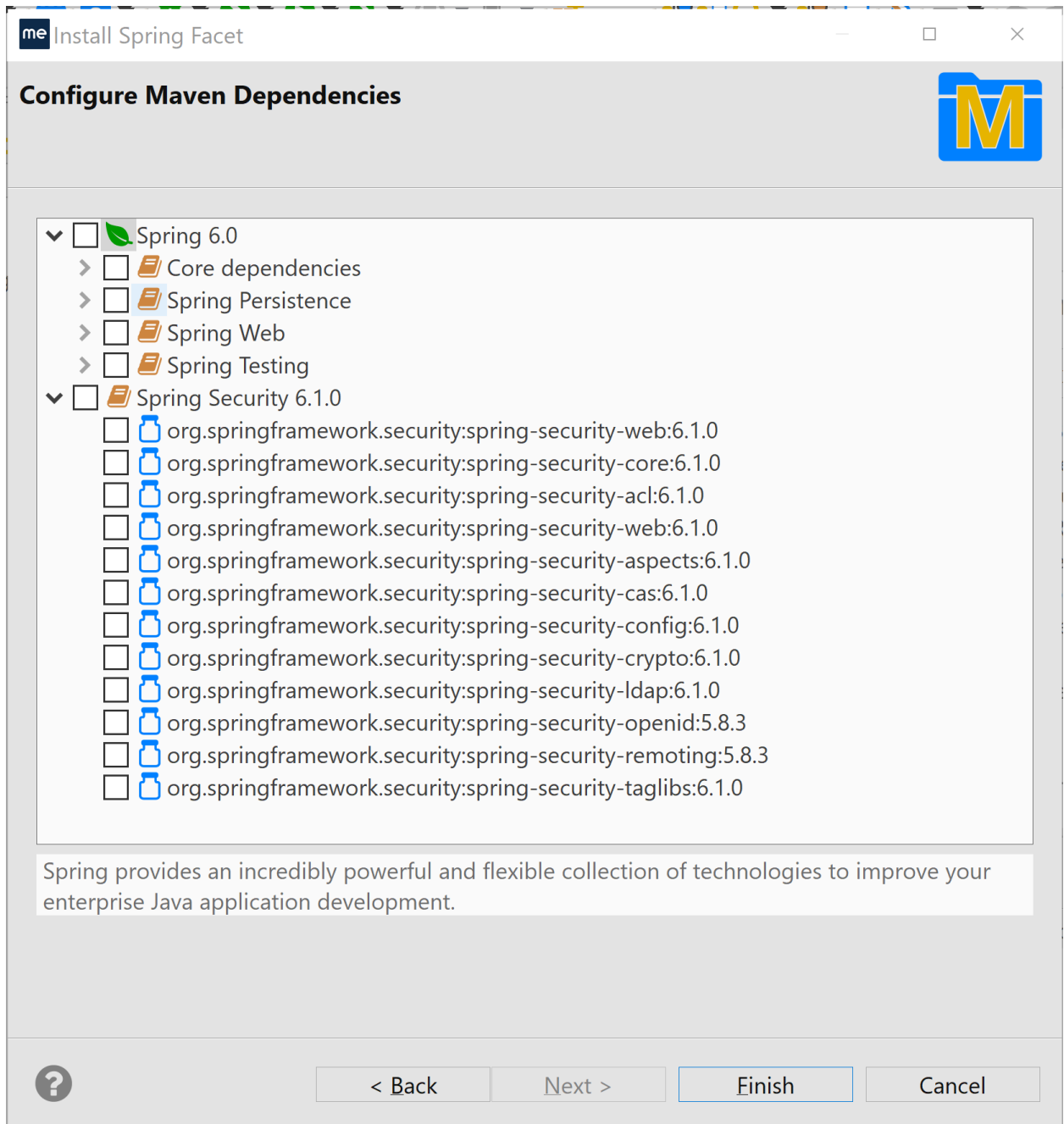
Folder: src/main/java Browse

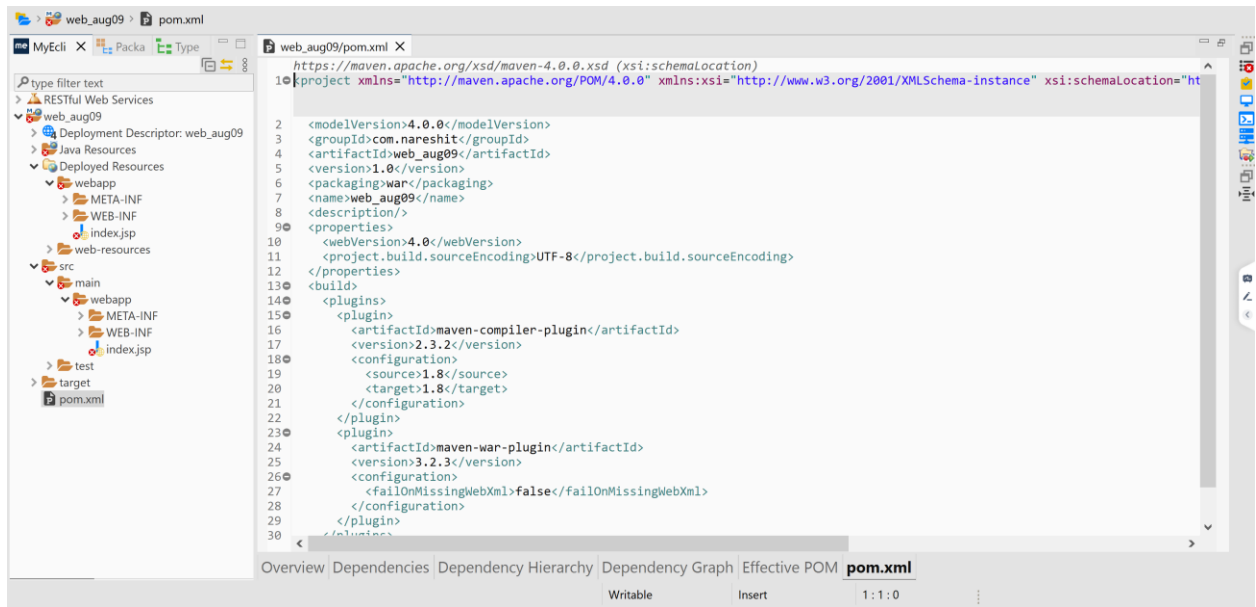
File: applicationContext.xml

 < Back Next > Finish Cancel

20.

21. Click Next and uncheck all maven dependencies and click finish.





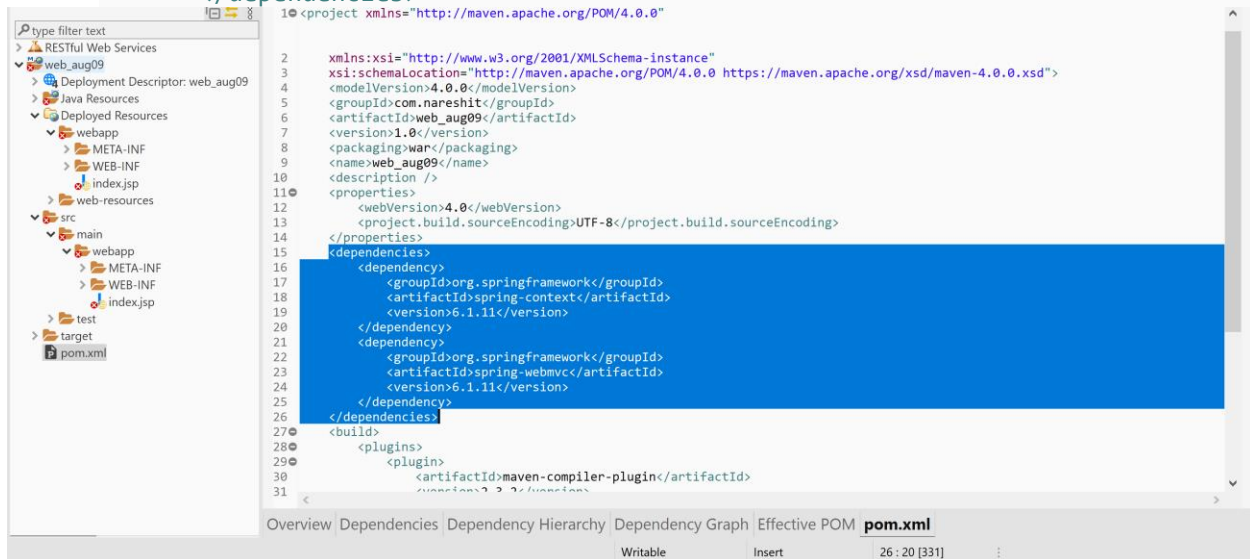
23.

24. Open pom.xml and add the below dependencies:

```

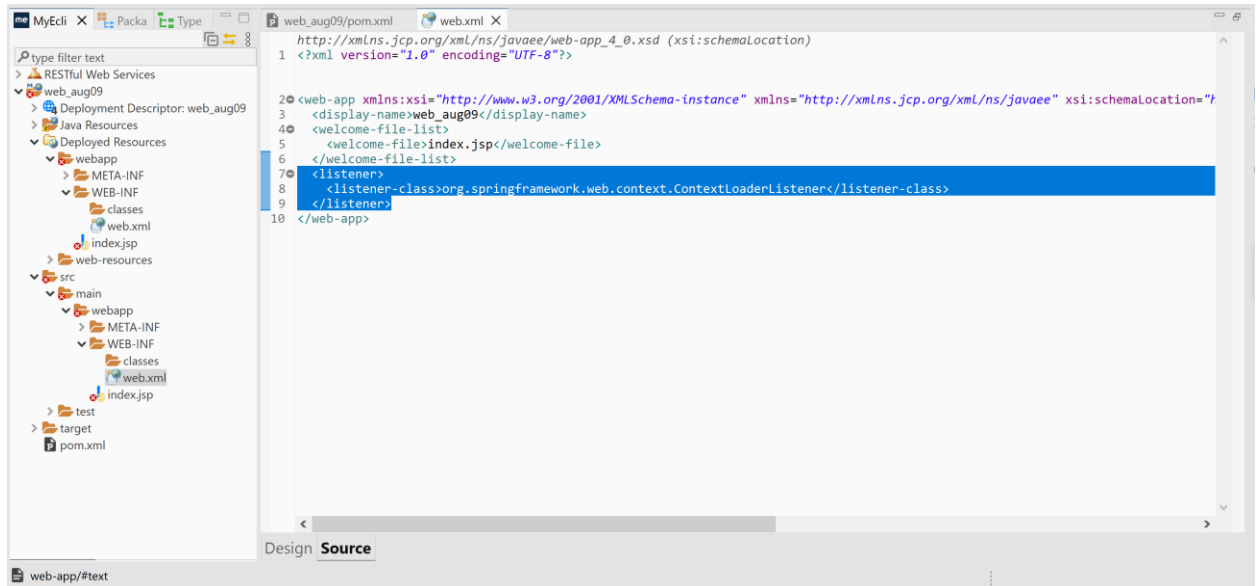
<dependencies>
  <dependency>
    <groupId>org.springframework</groupId>
    <artifactId>spring-context</artifactId>
    <version>6.1.11</version>
  </dependency>
  <dependency>
    <groupId>org.springframework</groupId>
    <artifactId>spring-webmvc</artifactId>
    <version>6.1.11</version>
  </dependency>
</dependencies>

```



25. Define the dispatcher servlet entry in web.xml.

26. Remove the following the entry in web.xml and make sure index.jsp as a home page



27. web-app/#text

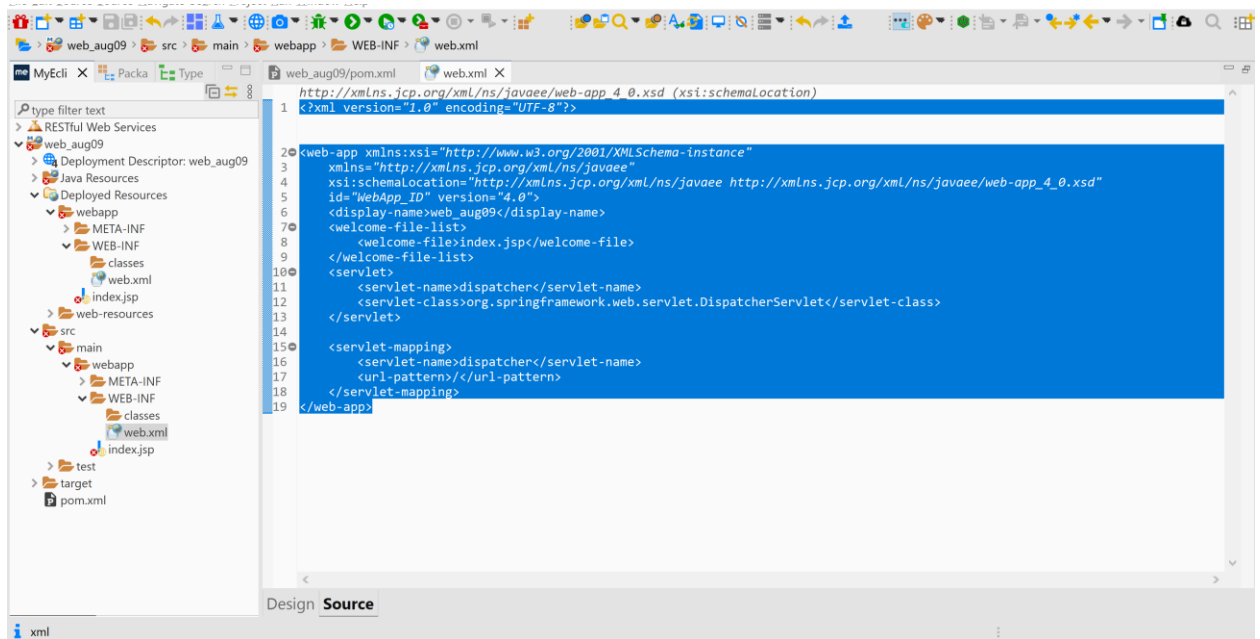
28. Web.xml code:


```

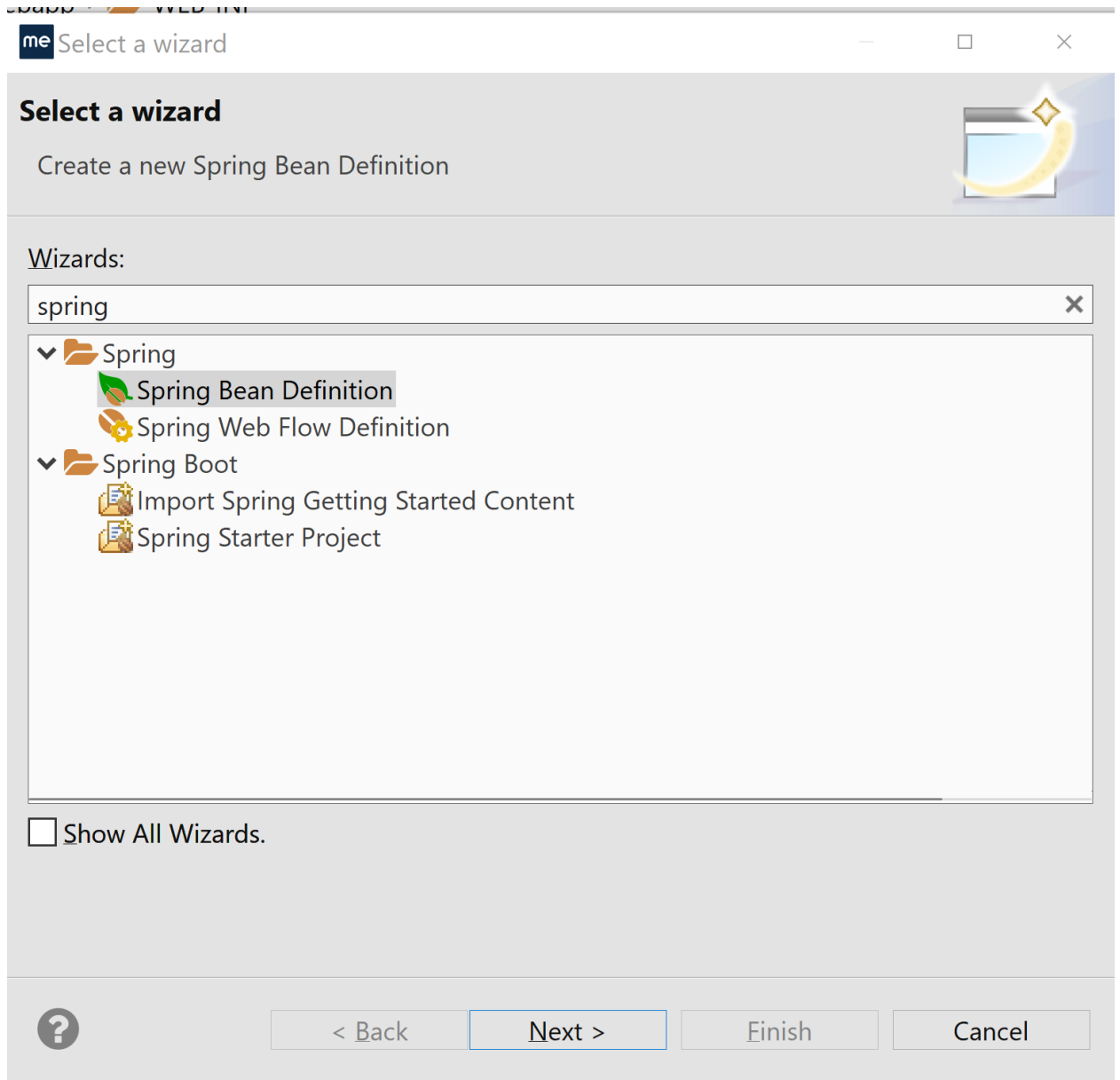
<?xml version="1.0" encoding="UTF-8"?>
<web-app xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns="http://xmlns.jcp.org/xml/ns/javaee"
  xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
http://xmlns.jcp.org/xml/ns/javaee/web-app_4_0.xsd"
  id="WebApp_ID" version="4.0">
  <display-name>web_aug09</display-name>
  <welcome-file-list>
    <welcome-file>index.jsp</welcome-file>
  </welcome-file-list>
  <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>
</web-app>

```



29.  xml
30. Create a spring configuration file name as: dispatcher-servlet.xml under WEB-INF folder.
31. Right click on WEB-INF folder and New → Other → Spring Bean Definition and click Next



32.

## New Spring Bean Definition file

Select the location and give a name for the Spring Bean Definition file



Project: web\_aug09

Folder: src/main/webapp/WEB-INF Browse

File: dispatcher-servlet.xml



< Back

Next >

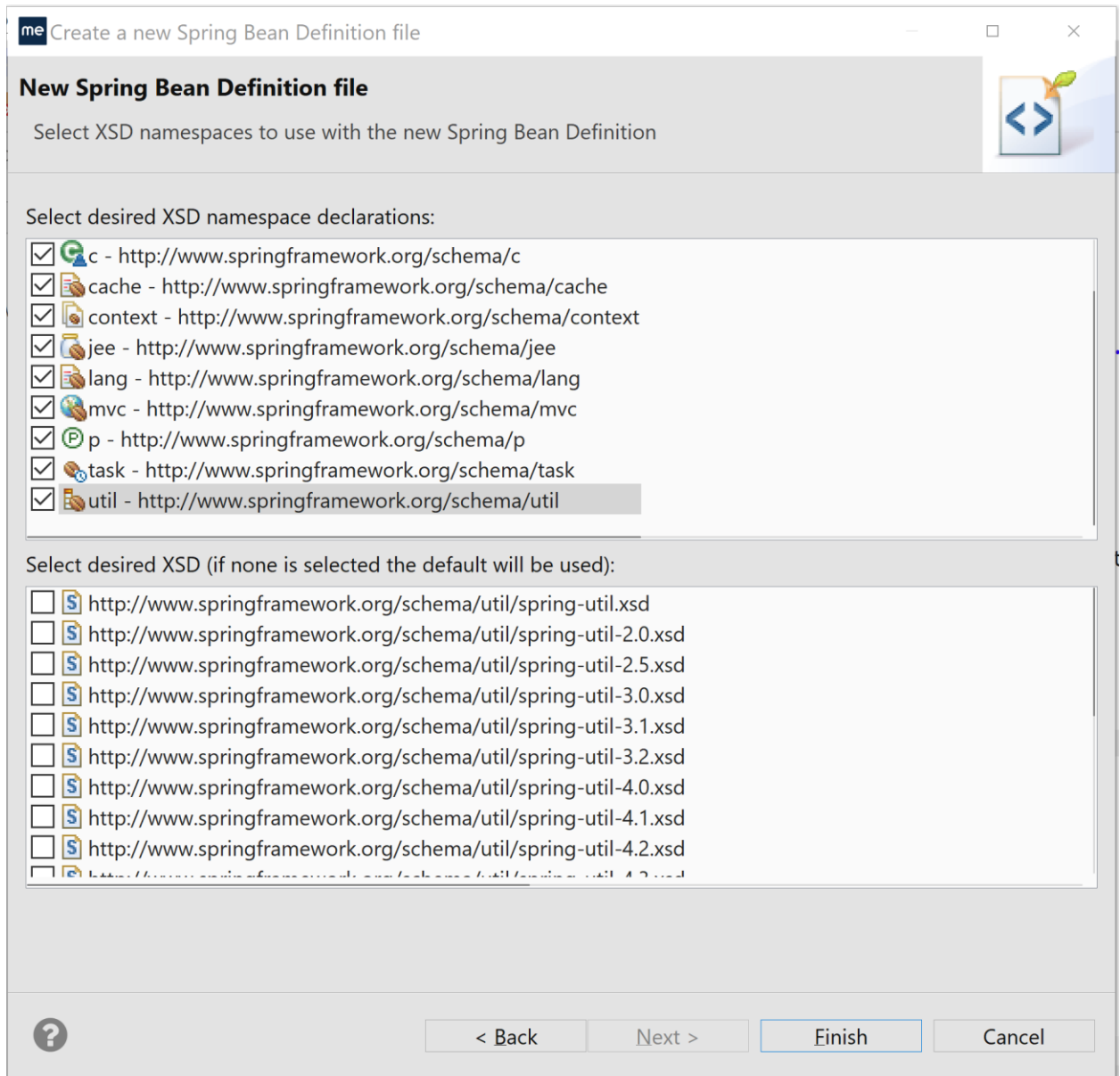
Finish

Cancel

33.

And click Next and enable all XML name spaces.

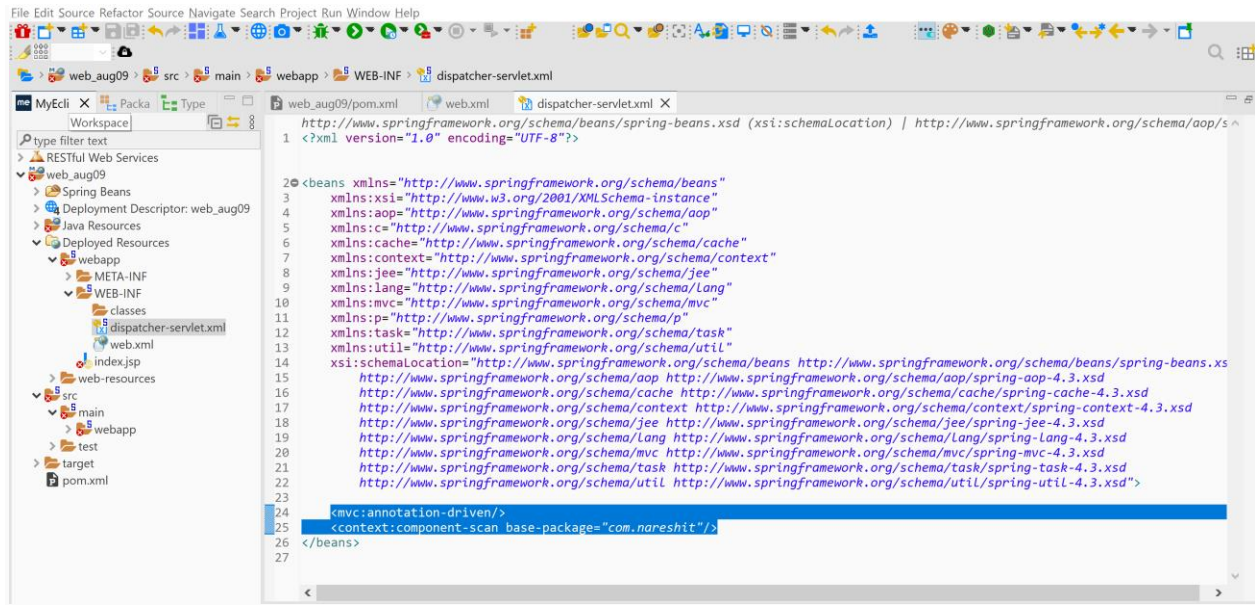




34.

35. Enter the following lines in dispatcher-servlet.xml file

```
<mvc:annotation-driven/>  
<context:component-scan base-package="com.nareshit"/>
```



### 36. Dispatcher-servlet.xml code:

```

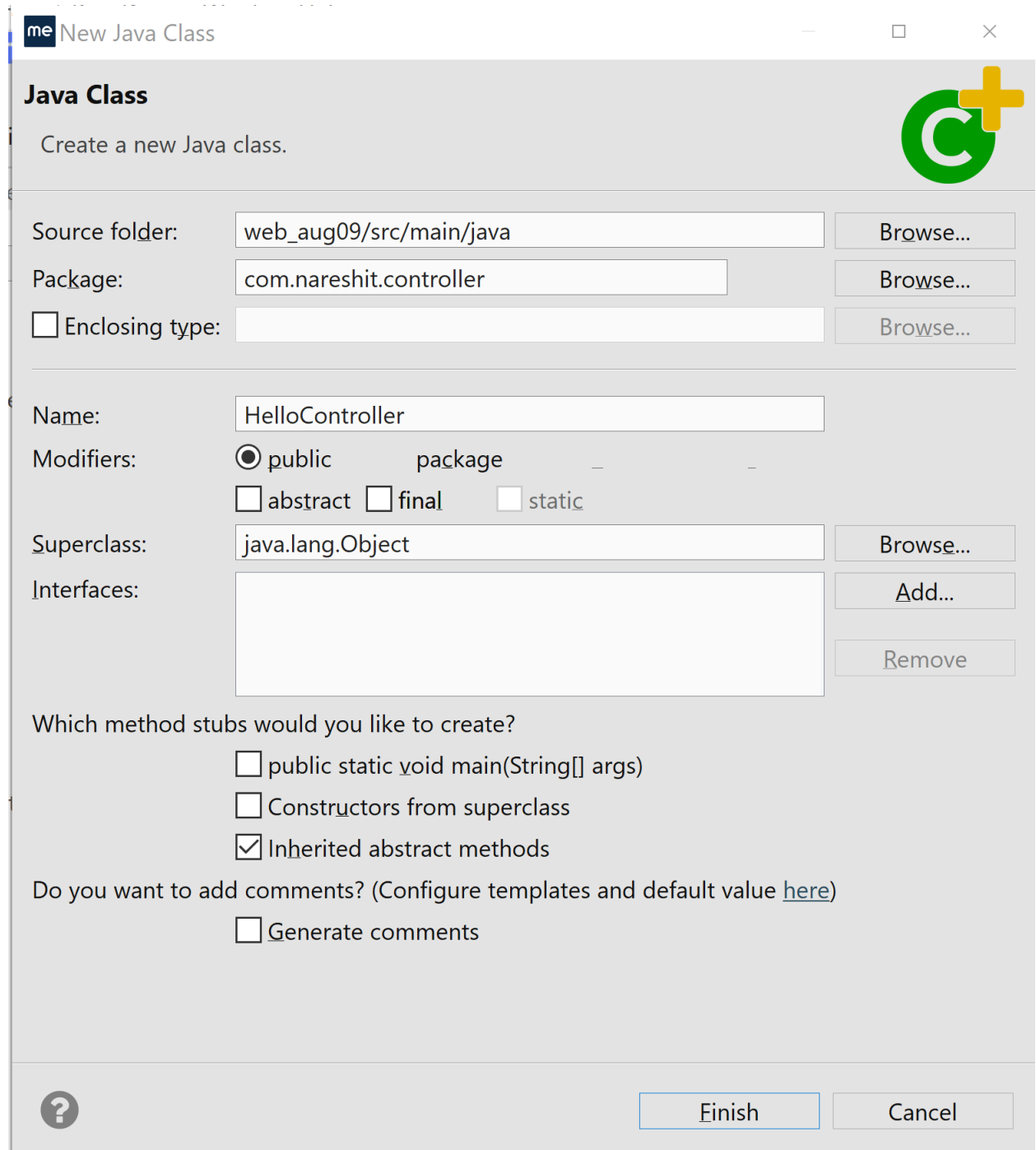
<?xml version="1.0" encoding="UTF-8"?>
<beans xmlns="http://www.springframework.org/schema/beans"
       xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
       xmlns:aop="http://www.springframework.org/schema/aop"
       xmlns:c="http://www.springframework.org/schema/c"
       xmlns:cache="http://www.springframework.org/schema/cache"
       xmlns:context="http://www.springframework.org/schema/context"
       xmlns:jee="http://www.springframework.org/schema/jee"
       xmlns:lang="http://www.springframework.org/schema/lang"
       xmlns:mvc="http://www.springframework.org/schema/mvc"
       xmlns:p="http://www.springframework.org/schema/p"
       xmlns:task="http://www.springframework.org/schema/task"
       xmlns:util="http://www.springframework.org/schema/util"
       xsi:schemaLocation="http://www.springframework.org/schema/beans
http://www.springframework.org/schema/beans/spring-beans.xsd
http://www.springframework.org/schema/aop
http://www.springframework.org/schema/aop/spring-aop-4.3.xsd
http://www.springframework.org/schema/cache
http://www.springframework.org/schema/cache/spring-cache-4.3.xsd
http://www.springframework.org/schema/context
http://www.springframework.org/schema/context/spring-context-4.3.xsd
http://www.springframework.org/schema/jee
http://www.springframework.org/schema/jee/spring-jee-4.3.xsd
http://www.springframework.org/schema/lang
http://www.springframework.org/schema/lang/spring-lang-4.3.xsd
http://www.springframework.org/schema/mvc
http://www.springframework.org/schema/mvc/spring-mvc-4.3.xsd
http://www.springframework.org/schema/task
http://www.springframework.org/schema/task/spring-task-4.3.xsd

```

```
http://www.springframework.org/schema/util
http://www.springframework.org/schema/util/spring-util-4.3.xsd">

<mvc:annotation-driven/>
<context:component-scan base-package="com.nareshit"/>
</beans>
```

37. Create a Controller class → HelloController



**me New Java Class**

**Java Class**

Create a new Java class.

Source folder:

Package:

☐ Enclosing type:

Name:

Modifiers: ☒ public ☐ package ☐ abstract ☐ final ☐ static

Superclass:

Interfaces:

Which method stubs would you like to create?

☐ public static void main(String[] args)

☐ Constructors from superclass

☒ Inherited abstract methods

Do you want to add comments? (Configure templates and default value [here](#))

☐ Generate comments

38.

39. HelloController.java code:

```
package com.nareshit.controller;
```

```

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

@Controller
public class HelloController {

    @RequestMapping("/sayHello")
    public String sayHello() {
        return "hello";
    }
}

```

40. Spring expects a view to be returned to dispatcher servlet. So, it is also required to attach both prefix and suffix paths for this name "hello".

41. The dispatcher-servlet.xml should be as follows:

```

<?xml version="1.0" encoding="UTF-8"?>
<beans xmlns="http://www.springframework.org/schema/beans"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:aop="http://www.springframework.org/schema/aop"
    xmlns:c="http://www.springframework.org/schema/c"
    xmlns:cache="http://www.springframework.org/schema/cache"
    xmlns:context="http://www.springframework.org/schema/context"
    xmlns:jee="http://www.springframework.org/schema/jee"
    xmlns:lang="http://www.springframework.org/schema/lang"
    xmlns:mvc="http://www.springframework.org/schema/mvc"
    xmlns:p="http://www.springframework.org/schema/p"
    xmlns:task="http://www.springframework.org/schema/task"
    xmlns:util="http://www.springframework.org/schema/util"
    xsi:schemaLocation="http://www.springframework.org/schema/beans
        http://www.springframework.org/schema/beans/spring-beans.xsd
        http://www.springframework.org/schema/aop
        http://www.springframework.org/schema/aop/spring-aop-4.3.xsd
        http://www.springframework.org/schema/cache
        http://www.springframework.org/schema/cache/spring-cache-4.3.xsd
        http://www.springframework.org/schema/context
        http://www.springframework.org/schema/context/spring-context-4.3.xsd
        http://www.springframework.org/schema/jee
        http://www.springframework.org/schema/jee/spring-jee-4.3.xsd
        http://www.springframework.org/schema/lang
        http://www.springframework.org/schema/lang/spring-lang-4.3.xsd
        http://www.springframework.org/schema/mvc
        http://www.springframework.org/schema/mvc/spring-mvc-4.3.xsd
        http://www.springframework.org/schema/task
        http://www.springframework.org/schema/task/spring-task-4.3.xsd
        http://www.springframework.org/schema/util
        http://www.springframework.org/schema/util/spring-util-4.3.xsd">

    <mvc:annotation-driven />
    <context:component-scan
        base-package="com.nareshit" />

    <bean id='viewResolver'

```

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

42.

43.

44.