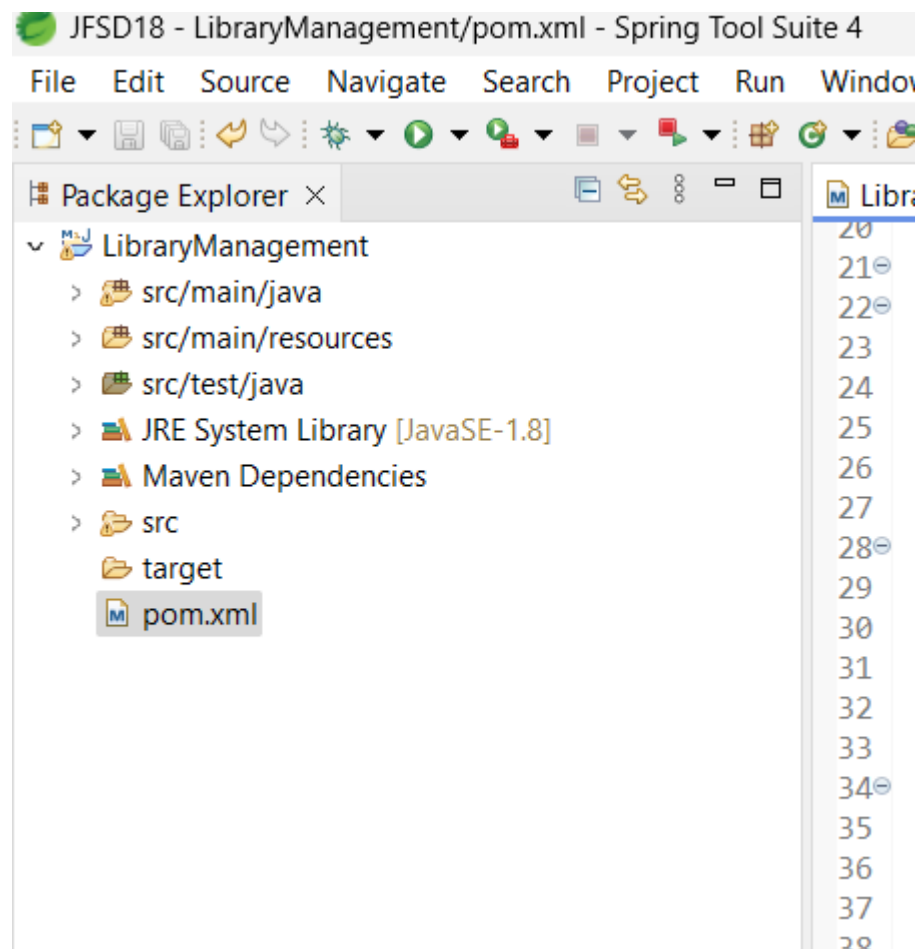


Creating and Configuring a Maven Project

From File : Spring Core_Maven

1. Create a New Maven Project:

Create a new Maven project named LibraryManagement.



2) Add Spring Dependencies in pom.xml:

Include dependencies for Spring Context, Spring AOP, and Spring WebMVC.

```
<dependencies>
```

```
  <dependency>
```

```
    <groupId>org.junit.jupiter</groupId>
```

```
    <artifactId>junit-jupiter-engine</artifactId>
```

```
<version>5.7.1</version>
<scope>test</scope>
</dependency>
<dependency>
  <groupId>org.junit.jupiter</groupId>
  <artifactId>junit-jupiter-params</artifactId>
  <version>5.7.1</version>
  <scope>test</scope>
</dependency>
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-context</artifactId>
  <version>5.3.36</version>
</dependency>
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-aop</artifactId>
  <version>5.3.30</version>
</dependency>
<dependency>
  <groupId>org.springframework</groupId>
  <artifactId>spring-webmvc</artifactId>
  <version>5.3.30</version>
</dependency>
```

```

<dependency>

  <groupId>junit</groupId>

  <artifactId>junit</artifactId>

  <version>4.13.2</version>

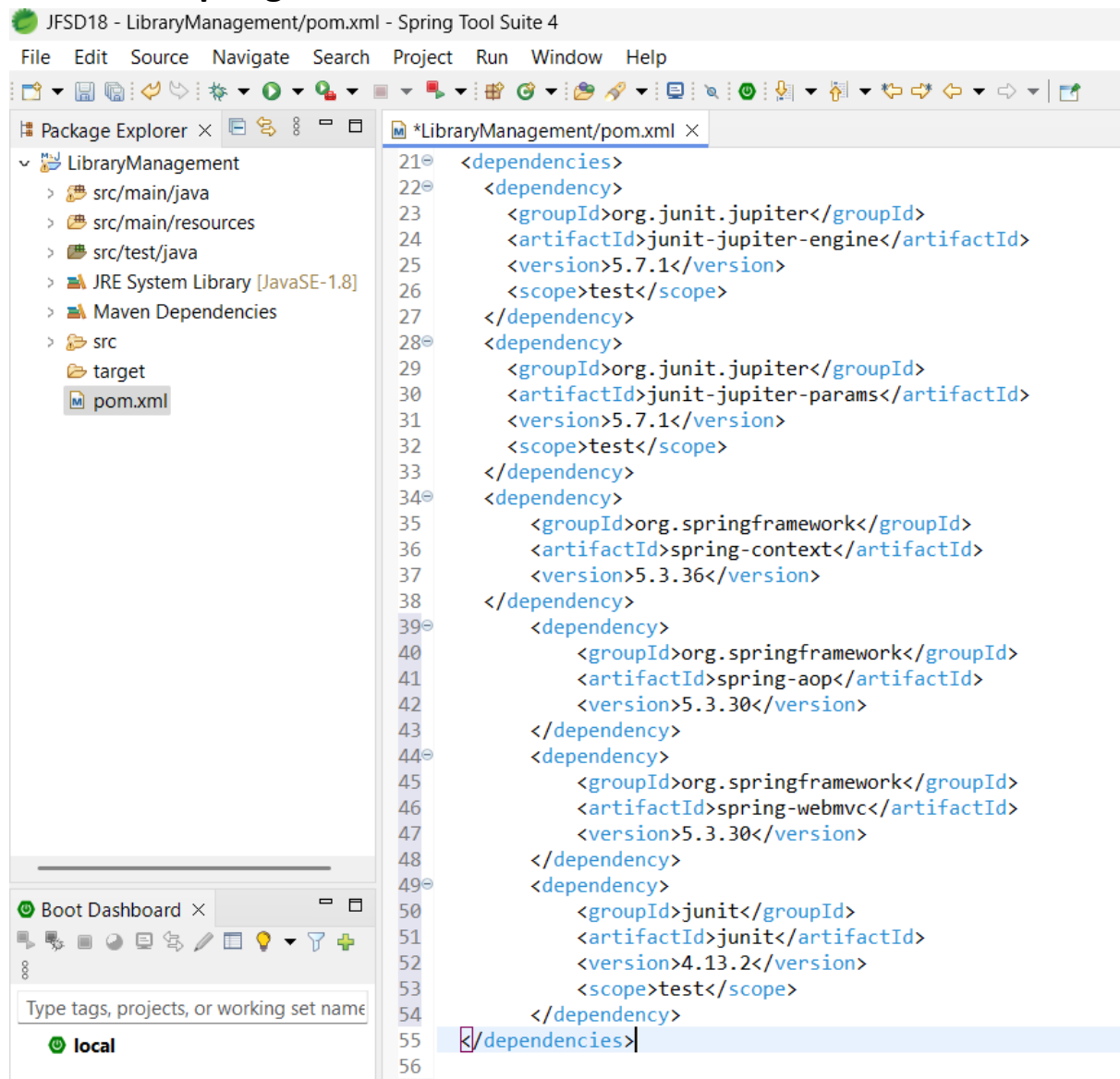
  <scope>test</scope>

</dependency>

</dependencies>

```

PIC FROM SpringTool:



The screenshot shows the Spring Tool Suite 4 interface. The Package Explorer on the left displays the project structure for 'LibraryManagement', including 'src/main/java', 'src/main/resources', 'src/test/java', 'JRE System Library [JavaSE-1.8]', 'Maven Dependencies', 'src', 'target', and 'pom.xml'. The main editor displays the 'pom.xml' file with the following XML content:

```

21<dependencies>
22  <dependency>
23    <groupId>org.junit.jupiter</groupId>
24    <artifactId>junit-jupiter-engine</artifactId>
25    <version>5.7.1</version>
26    <scope>test</scope>
27  </dependency>
28  <dependency>
29    <groupId>org.junit.jupiter</groupId>
30    <artifactId>junit-jupiter-params</artifactId>
31    <version>5.7.1</version>
32    <scope>test</scope>
33  </dependency>
34  <dependency>
35    <groupId>org.springframework</groupId>
36    <artifactId>spring-context</artifactId>
37    <version>5.3.36</version>
38  </dependency>
39  <dependency>
40    <groupId>org.springframework</groupId>
41    <artifactId>spring-aop</artifactId>
42    <version>5.3.30</version>
43  </dependency>
44  <dependency>
45    <groupId>org.springframework</groupId>
46    <artifactId>spring-webmvc</artifactId>
47    <version>5.3.30</version>
48  </dependency>
49  <dependency>
50    <groupId>junit</groupId>
51    <artifactId>junit</artifactId>
52    <version>4.13.2</version>
53    <scope>test</scope>
54  </dependency>
55 </dependencies>
56

```

At the bottom, the 'Boot Dashboard' is visible, showing a search bar and a 'local' button.

1)Configuring Maven Plugins:

Configure the Maven Compiler Plugin for Java version 1.8 in the pom.xml file.

```
<build>
```

```
  <plugins>
```

```
    <plugin>
```

```
      <groupId>org.apache.maven.plugins</groupId>
```

```
      <artifactId>maven-compiler-plugin</artifactId>
```

```
      <version>3.8.1</version>
```

```
      <configuration>
```

```
        <source>1.8</source>
```

```
        <target>1.8</target>
```

```
      </configuration>
```

```
    </plugin>
```

```
  </plugins>
```

```
</build>
```

PIC FROM SpringTool:

