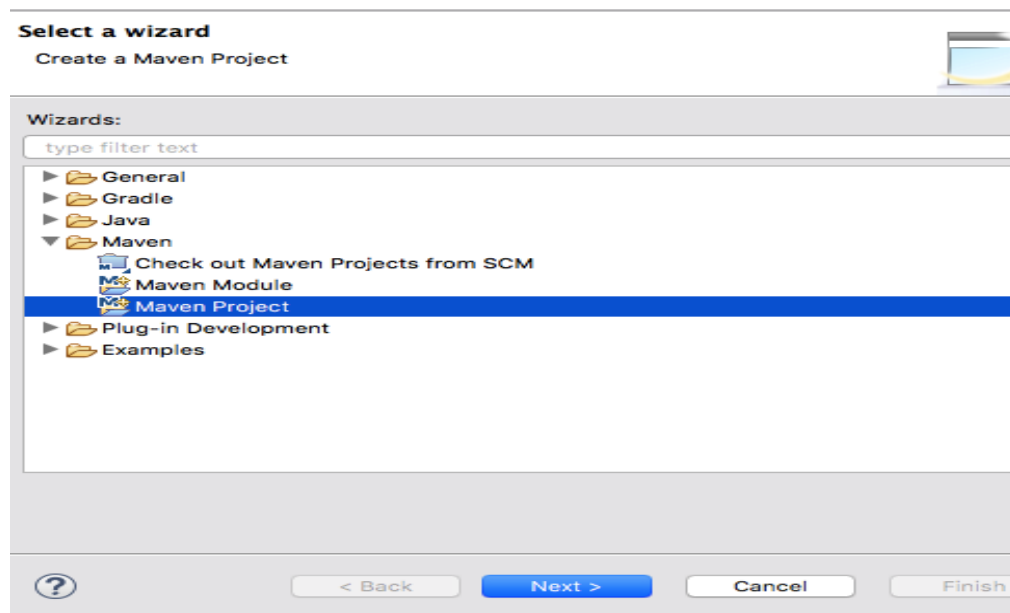


Phase2-Practice Project: Assisted Practice

Cucumber Execution with Maven

- To create a Maven Project in Eclipse, click on **New** → **Project** → **In the wizard**, select **Maven Project**.



- On the new Maven Project pop-up, select the checkbox to create your project at the default location OR you can also browse and set a new location of your choice. Click on Next to proceed.
- In the next screen, you will have to mention a Group ID and Artifact ID of your own choice; this is the name of your Maven project. Once you click the Finish button, a Maven project will be created in Eclipse.

New Maven Project
Specify Archetype parameters

Group Id:

Artifact Id:

Version:

Package:

Properties available from archetype:

Name	Value

Advanced

< Back Next > Cancel Finish

- Now, in order to build a Selenium-Cucumber framework, we need to add a dependency for Selenium and Cucumber in pom.xml.
- Copy the dependency tag for the following from the Maven Repository.
 - Selenium Web driver
 - Cucumber-Core jar
 - Cucumber-Java jar
 - Cucumber-TestNG jar

```
<dependencies>
```

```
<dependency>
```

```
<groupId>junit</groupId>
```

```
<artifactId>junit</artifactId>
```

```
<version>4.11</version>
```

```
<scope>test</scope>
```

```
</dependency>
```

```
<!-- https://mvnrepository.com/artifact/io.cucumber/cucumber-java -->
```

```
<dependency>

<groupId>io.cucumber</groupId>

<artifactId>cucumber-java</artifactId>

<version>7.10.1</version>

</dependency>

<!-- https://mvnrepository.com/artifact/io.cucumber/cucumber-java -->

<dependency>

<groupId>io.cucumber</groupId>

<artifactId>cucumber-junit</artifactId>

<version>7.10.1</version>

<scope>compile</scope>

</dependency>

<!-- https://mvnrepository.com/artifact/io.cucumber/cucumber-java -->

<dependency>

<groupId>io.cucumber</groupId>

<artifactId>cucumber-core</artifactId>

<version>7.10.1</version>

</dependency>

<dependency>

<groupId>org.seleniumhq.selenium</groupId>

<artifactId>selenium-java</artifactId>

<version>4.11.0</version>

</dependency>

<!-- https://mvnrepository.com/artifact/io.github.bonigarcia/webdrivermanager -->

<dependency>
```

```
<groupId>io.github.bonigarcia</groupId>

<artifactId>webdrivermanager</artifactId>

<version>5.4.1</version>

</dependency>

<dependency>

<groupId>tech.grasshopper</groupId>

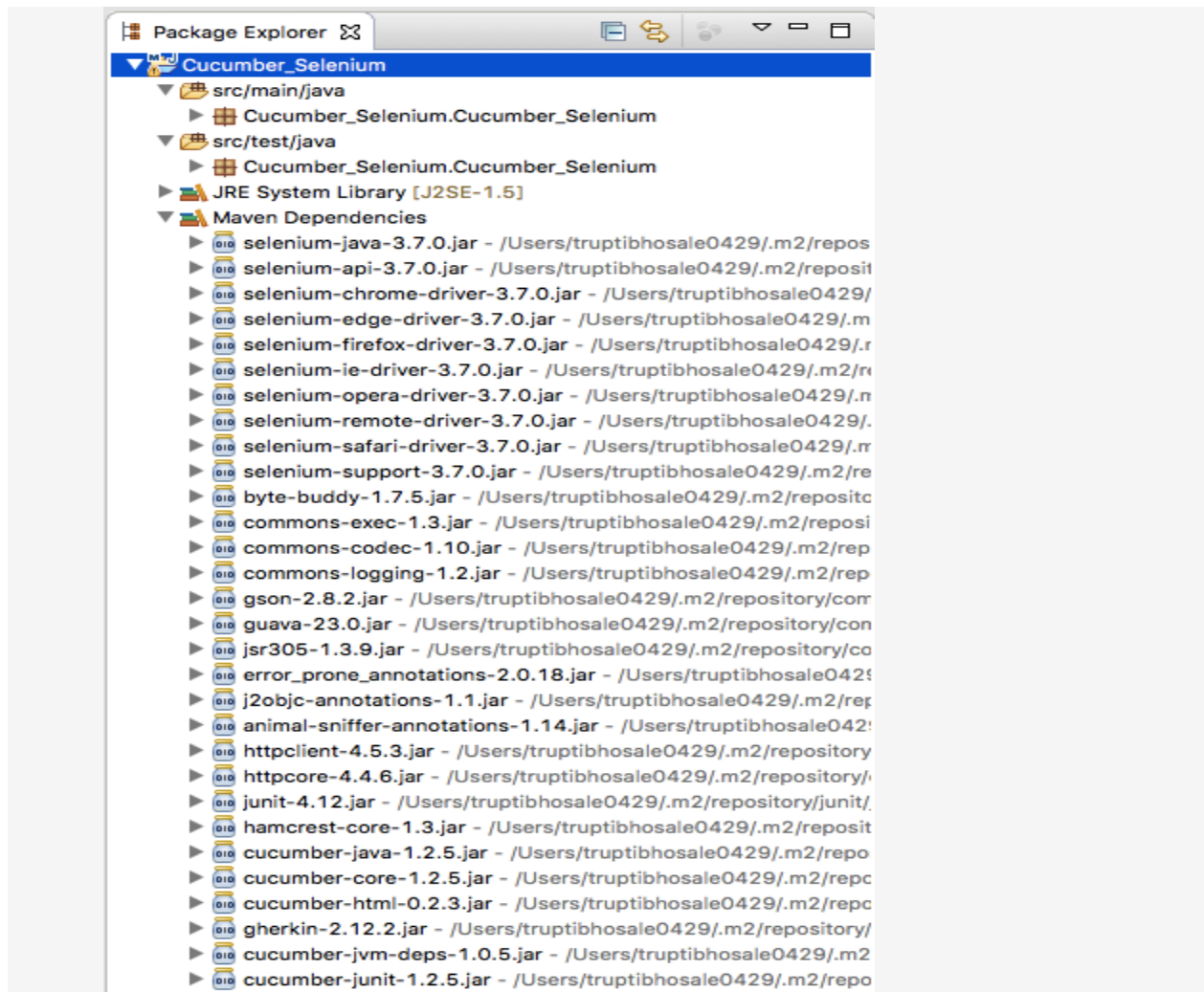
<artifactId>extentreports-cucumber7-adapter</artifactId>

<version>1.7.0</version>

</dependency>

</dependencies>
```

- Make sure to update the project after adding dependencies to pom.xml; you can do that by right clicking *Project* → *Maven* → *Update Project*. Once you update the project, you will see that many JAR files are added to the Maven Dependencies folder in your project.



- To proceed with Cucumber implementation, you need to create three packages to store the feature files, step definition code, and test runner code. Let us create three packages: the features, seleniumgluecode, and runner. To create a new package in src/test/java, right Click the folder-> New-> Package.
- Now create the feature file in the Feature package. Right click ->New ->File->Enter name test.feature.
- Create a class test.java to write the gluecode for the features written. Right click seleniumgluecode->New ->Class->enter name as test and save.

- To run the feature files and their respective code, we need to write a TestNG runner class. Right click **runner** -> **New**-> **Class**->enter name as **testrunner**.