Steps to create a BDD Project

1) Create a Maven Project.

2) Copy pom.xml dependencies.

3) Create a package called resource and create a feature file.

4) Write the scenario and test steps in the feature file.

5) Create a new package and a testrunner class inside that.

6) Create a new package and Java Class inside that.

7) Write the test runner code inside that and mention the path of the feature file in features, package of the Java Class in glue

8) Run the testrunner class, copy the step definitions from the console.

9) Paste these step definitions in the Java Class.

Now, If it is a PageFactory project -

1) Create a new package and create a new Java class of the page.

2) Inside that class, write all the functions for that page.

3) Create a new Package, make a new Java Class called Page Initialization.

4) Write the functions inside that.

Now, Fill the step definition class file with code.

To make the project complex,

1) Create a new package with a Java file called ApplicationConstant with all the input values in it.

2) Create a file inside resource package called config.properties which consists of URL and driver path.

3) Create a new package with a Java file called ConfigPropertyReader and copy the code from other project.

4) Create a new package called setup with a Java file called Base which consists of driver code.

5) Create a new package called teardown with a Java file called Teardown which consists of driver code.

To add reports, copy the plugin option in testrunner class.

Parameterization (ScenarioOutline, List, Maps, DataTable) - Needs modification in 2 files - feature file, step definition file

Hooks, TaggedHooks, Tagging (Smoke, Regression) - Needs modification in 3 files - feature file, step definition file, testrunner file

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.12</version>

<scope>test</scope>

</dependency>

<dependency>

<groupId>io.cucumber</groupId>

<artifactId>cucumber-java</artifactId>

<version>4.3.1</version>

</dependency>

<dependency>

<groupId>io.cucumber</groupId>

<artifactId>cucumber-junit</artifactId>

<version>4.3.1</version>

<scope>test</scope>

</dependency>

<dependency>

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

<artifactId>selenium-java</artifactId>

<version>3.141.59</version>

</dependency>

<dependency>

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

<artifactId>selenium-server</artifactId>

<version>3.141.59</version>

</dependency>