

API Automation using CucumberJVM, Java and RestAssured

- Use IntelliJ Community Edition for this project
- Install Cucumber for Java IntelliJ plugin
- Install Gherkin IntelliJ plugin
- In IntelliJ, create a Maven project. Go to File --> New Project, select Maven and give it a filename and select location
- Add Cucumber, RestAssured dependencies to the project
- Reload Maven by clicking on the Load Maven Changes button that appears on the top right, this will download all the added dependencies to the project
- Once dependencies are downloaded, run **mvn clean test** in the terminal, you will see a BUILD SUCCESS message
- Create a folder, **reports**, under **src/**, this will hold the generated reports
- Create a folder, **resources**, under **src/test**, this will hold the feature files. Right click this folder and select the option Mark directory as --> Test Resources Root.
- Create a package, **apicucumberjvm**, under **src/test/java**, this will hold the step definitions, class files
- Create a class file, **RunCucumberTest**, under **src/test/java**, this will be the Runner class
- Create a **cucumber.properties** file under **src/test/resources**
- Create feature files under **src/test/resources**
- Create step definition files as class files under **src/test/java/apicucumberjvm**

Running commands:

- As we have installed the 2 IntelliJ plugins at the start of creating the project, features or scenarios can be run individually by clicking against the run button in the IDE
- The below command will run the scenarios with the @BrandsAPI tag and store the report in the reports folder

```
mvn test -Dcucumber.filter.tags="@BrandsAPI" -Dcucumber.plugin=html:./src/reports/Report.html
```

- – This will run all the feature files and store the report in the reports folder

```
mvn test -Dcucumber.feature=./src/test/resources/ -Dcucumber.plugin=html:./src/reports/Report.html
```

Further reference:

<https://medium.com/@mlvandijk/getting-started-with-cucumber-in-java-a-10-minute-tutorial-586652d2c82>

Folder Structure:

