Framework Description

The framework which I followed is '**BDD CUCUMBER**. Below is the brief description on how this framework works:

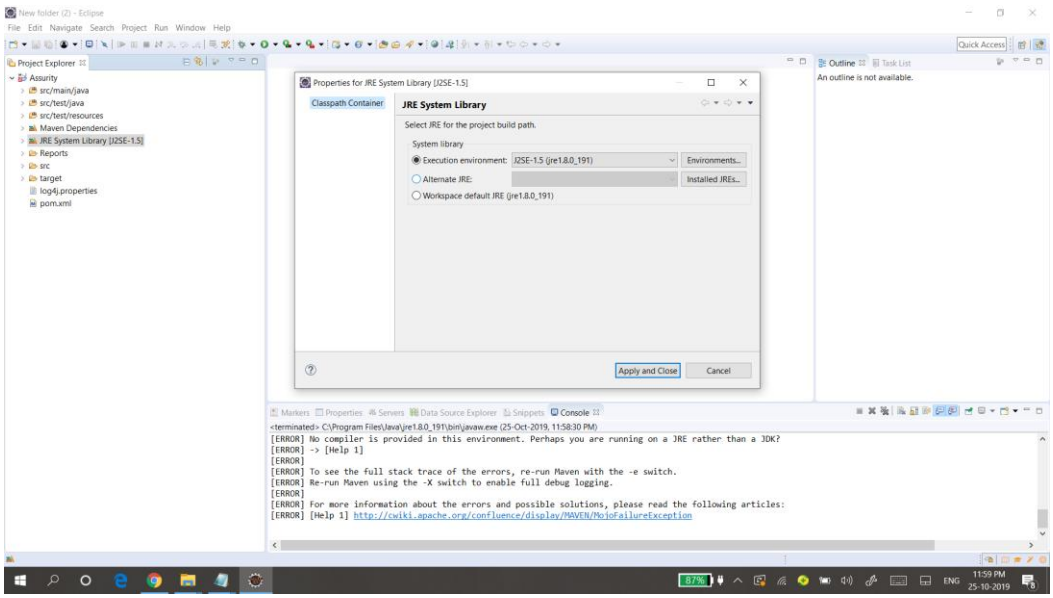
- Each page is defined as its own class.
- Actions are represented as functions for a class.
- Tests only talk to the features files
- Class Inheritance can be used to define functionality to a set of pages.

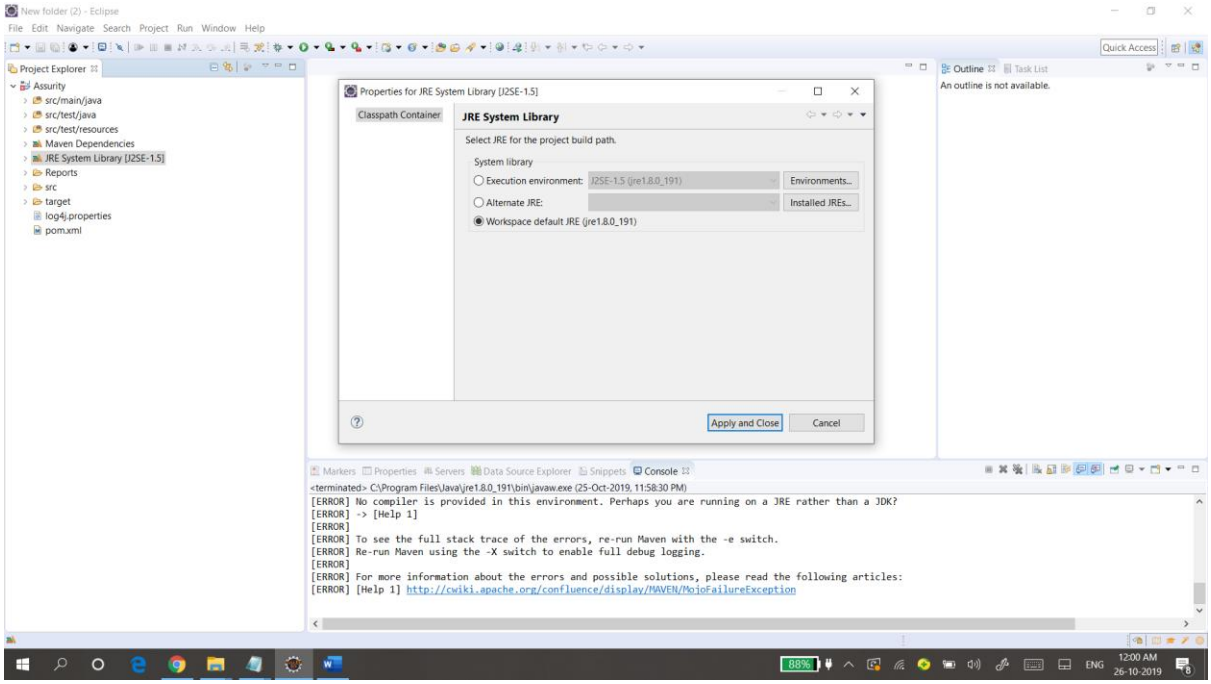
Prerequisites

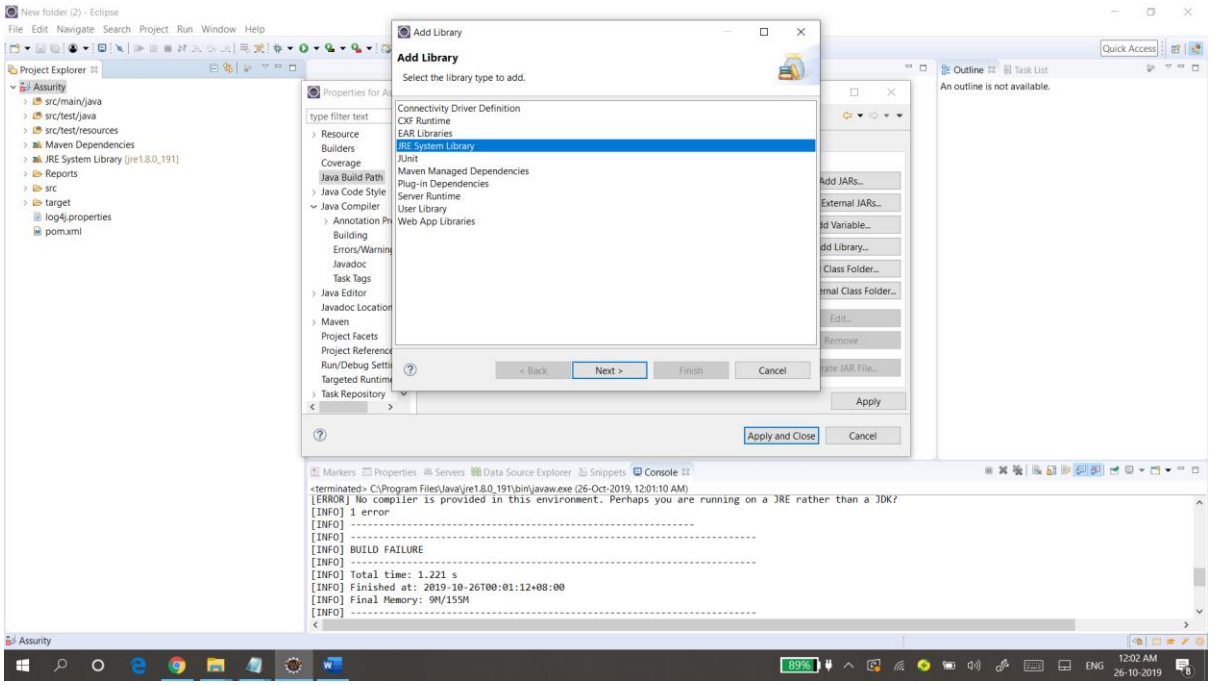
- Java should be installed and path should be in environment variables
- Maven should be installed path should be in environment variables .
- TestNG should be installed in execution IDE (Eclipse is suggestible).
- Import the framework to available IDE (Eclipse is suggestible).

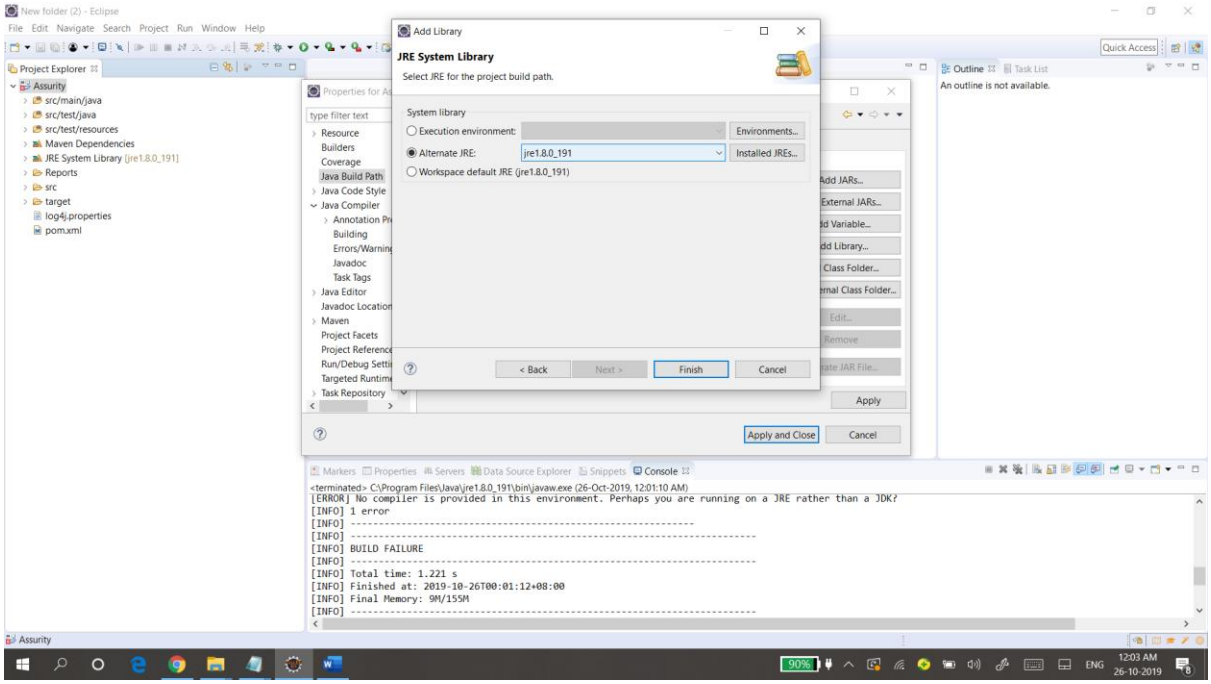
Below are the steps to setup project properties:

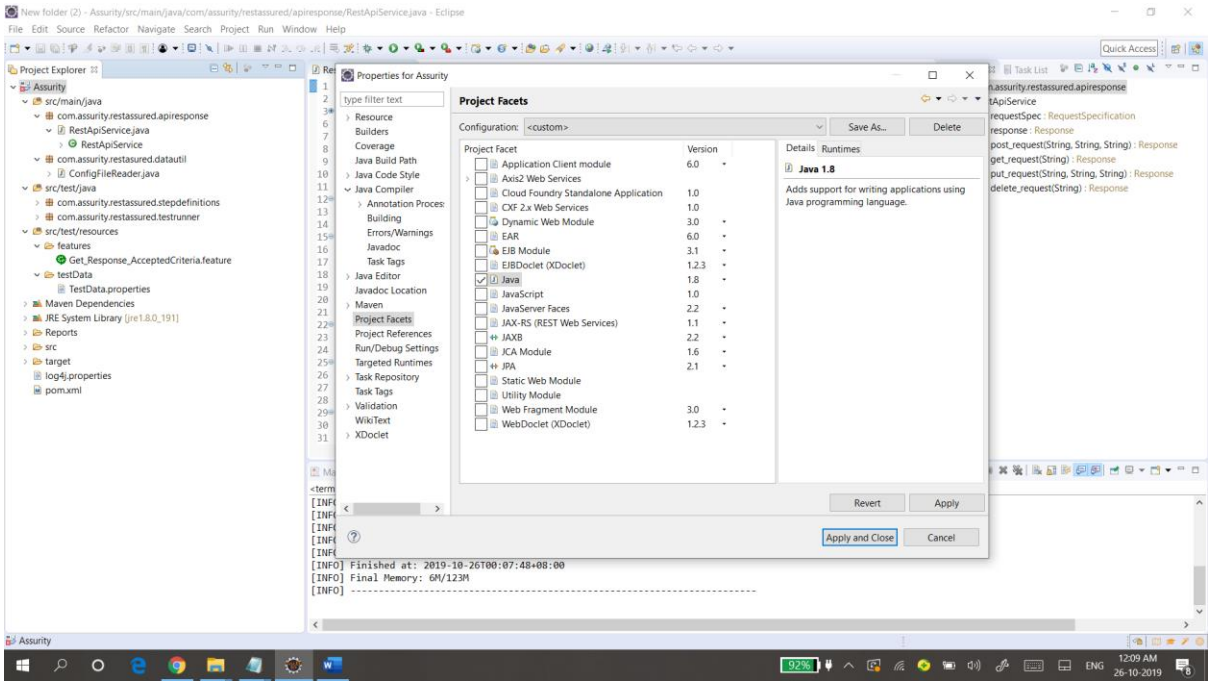
---- Select Framework -> Right click -> Click on Properties

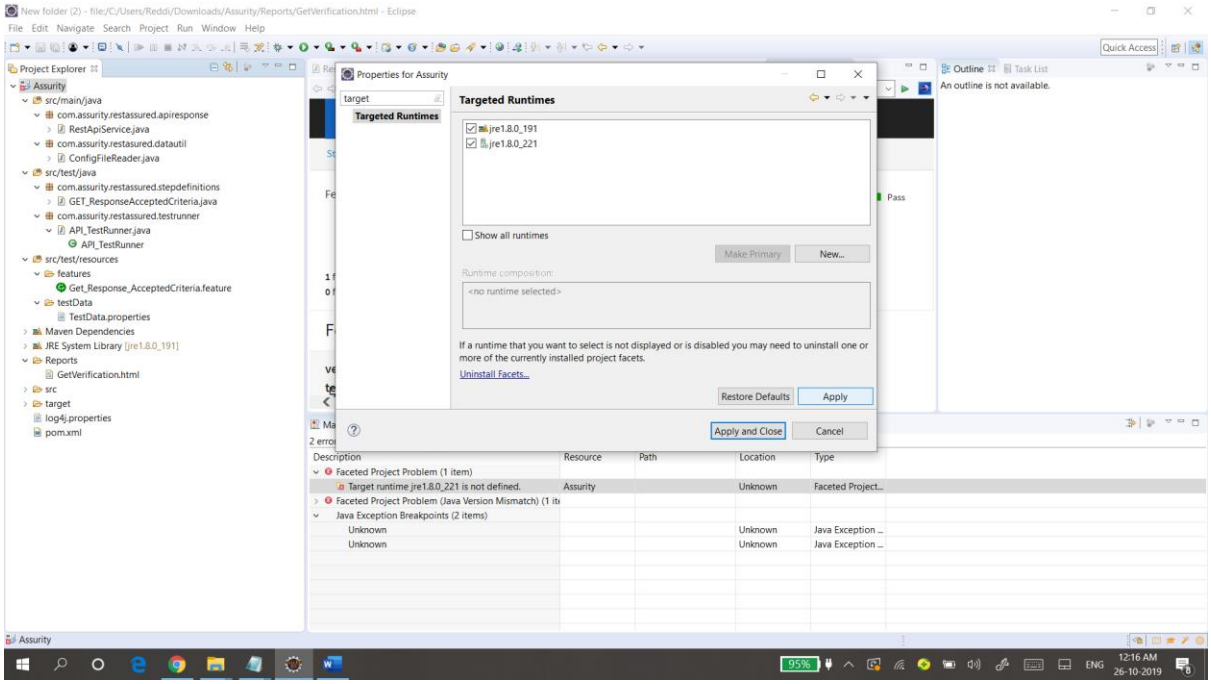


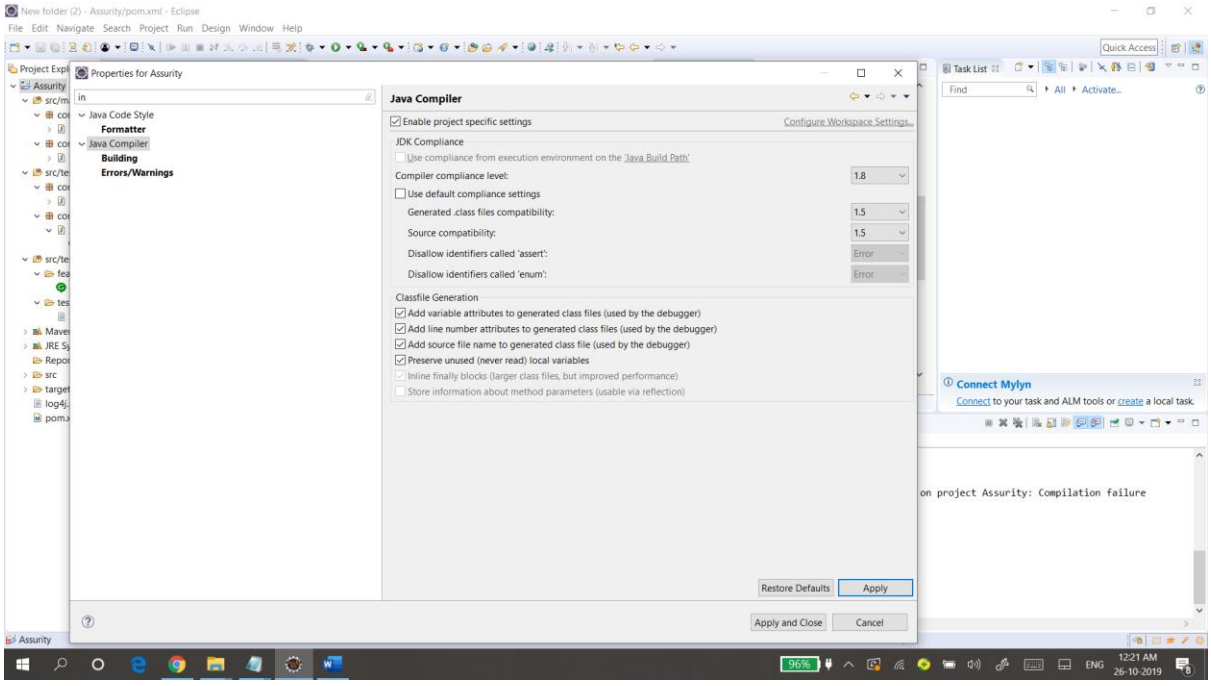

New folder (2) - Eclipse
File Edit Navigate Search Project Run Window Help
Quick Access
Project Explorer
Assurity
src/main/java
src/test/java
src/test/resources
Maven Dependencies
JRE System Library [J2SE-1.5]
Reports
src
target
log4j.properties
pom.xml
Properties for JRE System Library [J2SE-1.5]
Classpath Container
JRE System Library
Select JRE for the project build path.
System library
Execution environment: J2SE-1.5 (jre1.8.0_191)
Environments...
Alternate JRE:
Installed JREs...
Workspace default JRE (jre1.8.0_191)
Apply and Close
Cancel
Outline
Task List
An outline is not available.
Markers Properties Servers Data Source Explorer Snippets Console
<terminated> C:\Program Files\Java\jre1.8.0_191\bin\javaw.exe (25-Oct-2019, 11:58:30 PM)
[ERROR] No compiler is provided in this environment. Perhaps you are running on a JRE rather than a JDK?
[ERROR] -> [Help 1]
[ERROR]
[ERROR] To see the full stack trace of the errors, re-run Maven with the -e switch.
[ERROR] Re-run Maven using the -X switch to enable full debug logging.
[ERROR]
[ERROR] For more information about the errors and possible solutions, please read the following articles:
[ERROR] [Help 1] http://cwiki.apache.org/confluence/display/MAVEN/MojoFailureException
88%
ENG
12:00 AM
26-10-2019


New folder (2) - Eclipse
File Edit Navigate Search Project Run Window Help
Quick Access
Project Explorer
Assurity
src/main/java
src/test/java
src/test/resources
Maven Dependencies
JRE System Library [jre1.8.0_191]
Reports
src
target
log4j.properties
pom.xml
Add Library
Add Library
Select the library type to add.
Connectivity Driver Definition
CXF Runtime
EAR Libraries
JRE System Library
JUnit
Maven Managed Dependencies
Plug-in Dependencies
Server Runtime
User Library
Web App Libraries
< Back
Next >
Finish
Cancel
Resource
Builders
Coverage
Java Build Path
Java Code Style
Java Compiler
Java Editor
Maven
Project Facets
Task Repository
Add JARs...
External JARs...
Class Folder...
Edit...
Remove
Apply
Apply and Close
Cancel
Outline
Task List
An outline is not available.
Markers Properties Servers Data Source Explorer Snippets Console
<terminated> C:\Program Files\Java\jre1.8.0_191\bin\javaw.exe (26-Oct-2019, 12:01:10 AM)
[ERROR] No compiler is provided in this environment. Perhaps you are running on a JRE rather than a JDK?
[INFO] 1 error
[INFO] ---
[INFO] --
[INFO] BUILD FAILURE
[INFO] --
[INFO] Total time: 1.221 s
[INFO] Finished at: 2019-10-26T00:01:12+08:00
[INFO] Final Memory: 9M/155M
[INFO] --
89%
ENG
12:02 AM
26-10-2019


New folder (2) - Eclipse
File Edit Navigate Search Project Run Window Help
Add Library
JRE System Library
Select JRE for the project build path.
System library
Execution environment:
Environments...
Alternate JRE:
jre1.8.0_191
Installed JREs...
Workspace default JRE (jre1.8.0_191)
< Back
Next >
Finish
Cancel
Apply and Close
Cancel
Apply
Project Explorer
Assurity
src/main/java
src/test/java
src/test/resources
Maven Dependencies
JRE System Library [jre1.8.0_191]
Reports
src
target
log4j.properties
pom.xml
Outline
An outline is not available.
Console
[ERROR] No compiler is provided in this environment. Perhaps you are running on a JRE rather than a JDK?
[INFO] 1 error
[INFO] BUILD FAILURE
[INFO] Total time: 1.221 s
[INFO] Finished at: 2019-10-26T00:01:12+08:00
[INFO] Final Memory: 9M/155M


New folder (2) - Assurity/src/main/java/com/assurity/restassured/apiresponse/RestApiService.java - Eclipse
File Edit Source Refactor Navigate Search Project Run Window Help
Properties for Assurity
Project Facets
Configuration: <custom>
Save As...
Delete
Project Facet
Version
Application Client module 6.0
Axis2 Web Services
Cloud Foundry Standalone Application 1.0
CXF 2.x Web Services 1.0
Dynamic Web Module 3.0
EAR 6.0
EJB Module 3.1
EJBDoclet (XDoclet) 1.2.3
Java 1.8
JavaScript 1.0
JavaServer Faces 2.2
JAX-RS (REST Web Services) 1.1
JAXB 2.2
JCA Module 1.6
JPA 2.1
Static Web Module
Utility Module
Web Fragment Module 3.0
WebDoclet (XDoclet) 1.2.3
Details
Runtimes
Java 1.8
Adds support for writing applications using Java programming language.
Revert
Apply
Apply and Close
Cancel
[INFO] Finished at: 2019-10-26T00:07:48+08:00
[INFO] Final Memory: 6M/123M





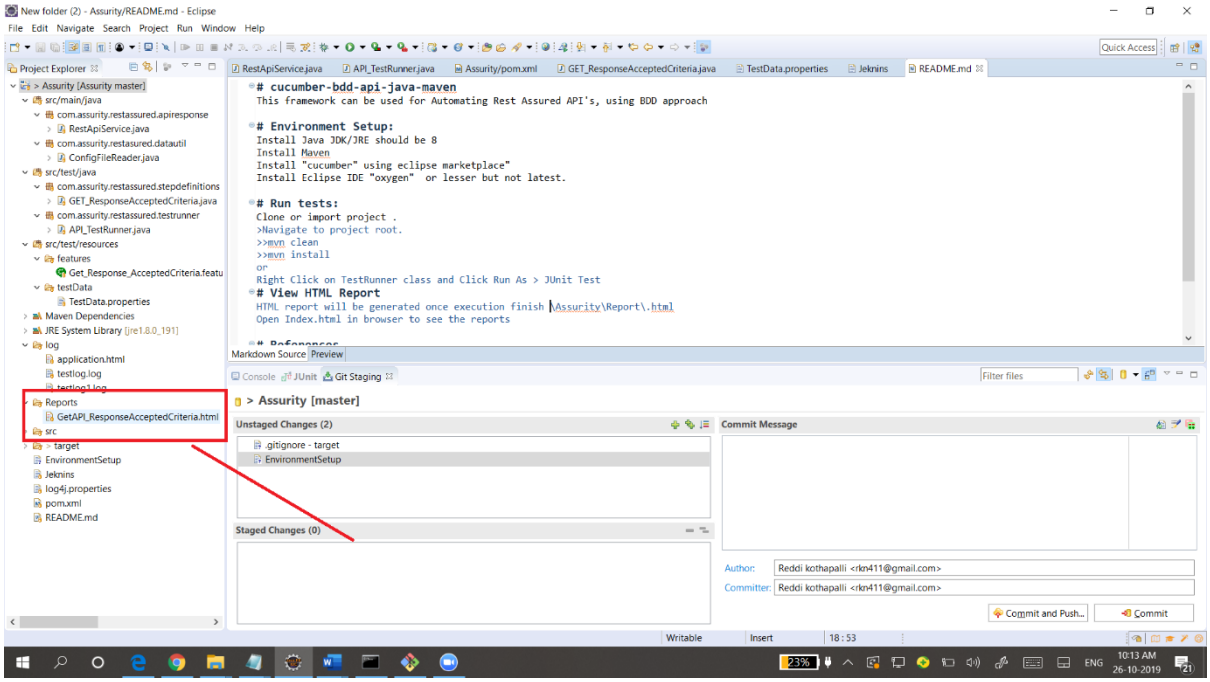
After completing above setup, follow the below steps to install all the Maven dependencies

⟹ Select Project --> Right click --> Select 'Run As' --> Click on 'Maven Install'

Results Location

After execution completed, you can find the HTML result file in the Web Reports folder in the framework.

If you run the whole suite at once, you will get one HTML result file, and if you run single test classes, you'll get individual result files under the same folder.



Property files

Each scenario we can implement as individual feature file and steps are implemented in step definitions class.