Running Instructions and Project Details

Section A: Basic Details

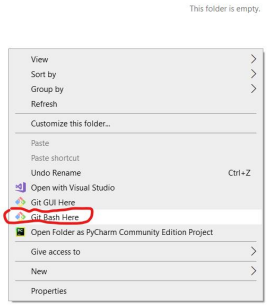
Project	CIMB_MY
Application URL	https://www.cimb.com.my/en/personal/home.html
Test Scenario	**Scenario 1:** Given I'm on CIMB page When I select CIMB Deals And I click on View All for Travel & Lifestyle And I would like to explore more for OctoTravel Flights Then I will be able to see its details and other similar deals beneath it
Automation Framework & Document created by	Vishwanatha Thimmanna Hebbar
Programming Language	Java
Tool	Selenium
Framework	TestNG
Design Pattern	Page Object Model (POM)
Other Features	➢ Supports thread safe parallel execution ➢ Generates Extent report along with inbuilt TestNG report ➢ Generates logs ➢ Takes screenshot of failed test case and attach to Extent report ➢ Extent Reports are generated under Reports folder (Screenshots stored in Reports/Screenshots) ➢ Failed test case will re-run automatically for one more time, if you wish not to re-run automatically then corresponding listener at "testng.xml" may be commented or removed ➢ Test cases can be run on "Dockerized selenium grid" infrastructure. Refer to section D. **Note 1:** Same test case(Scenario 1) I have added 2 times to check for parallel execution, TestCase_Scenario_0001_02 is intentionally failed at assertion stage to check screenshot is captured for failed test and to ensure failed test automatically re-runs one more time.
GitHub Repository URL	https://github.com/vthebbar/CIMB_MY.git
Test Reports Folders	TestNG Report : test-output-> index.html and emailable-report.html Extent Report : Reports-> ExecutionReport_dd-MM-yyyy hh-mm-ss.html
Logs file	Project home directory -> log4j-application.log

Section B : Pull code from GitHub repository

Pre-requisite : GIT Bash software is installed in PC and GIT HUB account

Step1 :Create folder in your pc

Step 2: Open GIT Bash (Right click inside the folder and click on : Git Bash Here



Step 3:
Run command > **git init**

```
user@DESKTOP-R8LNRUV MINGW64 ~/Desktop/abc
$ git init
Initialized empty Git repository in C:/Users/user/Desktop/abc/.git/
```

Step 4:
Run command > **git pull https://github.com/vthebbar/CIMB_MY.git**

```
user@DESKTOP-R8LNRUV MINGW64 ~/Desktop/abc (master)
$ git pull https://github.com/vthebbar/CIMB_MY.git
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 6 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (6/6), 1.33 KiB | 4.00 KiB/s, done.
From https://github.com/vthebbar/CIMB_MY
 * branch            HEAD       -> FETCH_HEAD
```

After step 4, project will be downloaded into the folder.

Section C : How to Run the project on Standalone computer

Note:
To run the test cases using Approach 1A & 1B, Maven software should be present in the system.
To check maven is present in the system or not, run below command:
mvn -version

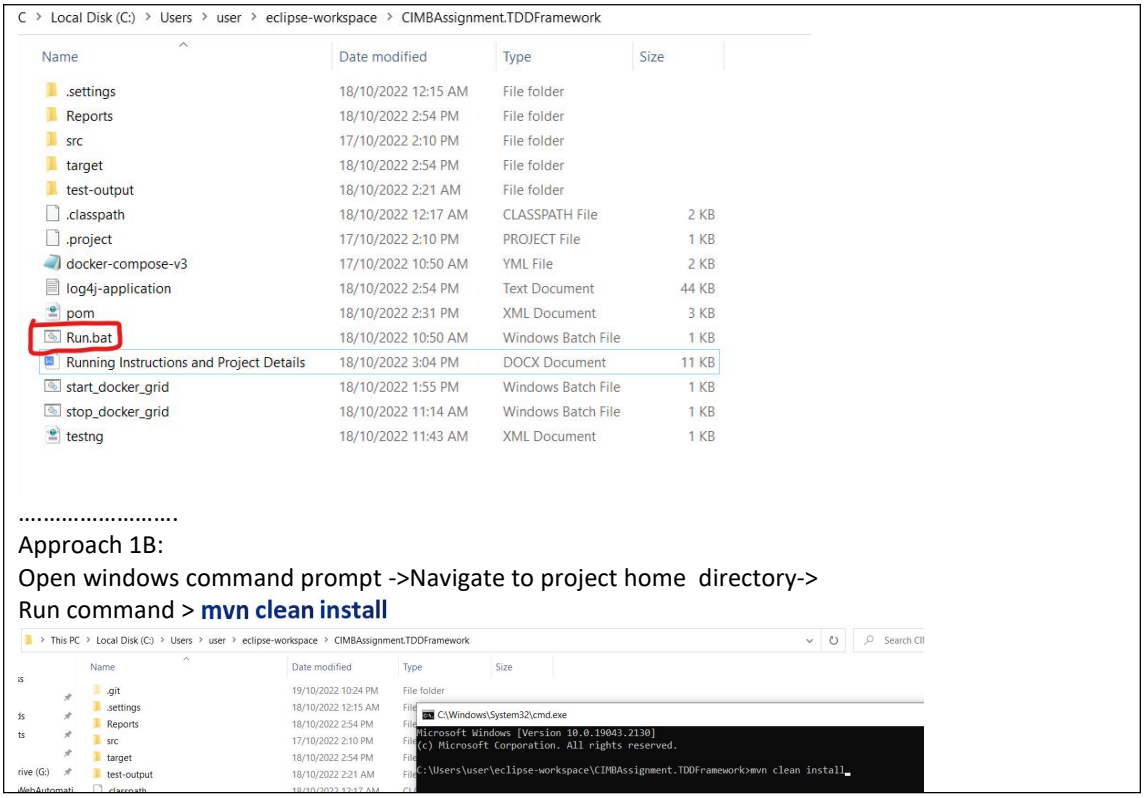
```
Select Command Prompt
Microsoft Windows [Version 10.0.19043.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Users\user>mvn -version
Apache Maven 3.8.5 (3599d3414f046de2324203b78ddcf9b5e4388aa0)
Maven home: C:\apache-maven-3.8.5
Java version: 1.8.0_202, vendor: Oracle Corporation, runtime: C:\Program Files\Java\jdk1.8.0_202\jre
Default locale: en_MY, platform encoding: Cp1252
OS name: "windows 10", version: "10.0", arch: "amd64", family: "windows"

C:\Users\user>
```

Approach 1A: Using “Run.bat” file in project home directory (Preferred & easy Approach)

->Double click on “Run.bat” file shown below and wait till execution completes.



……..

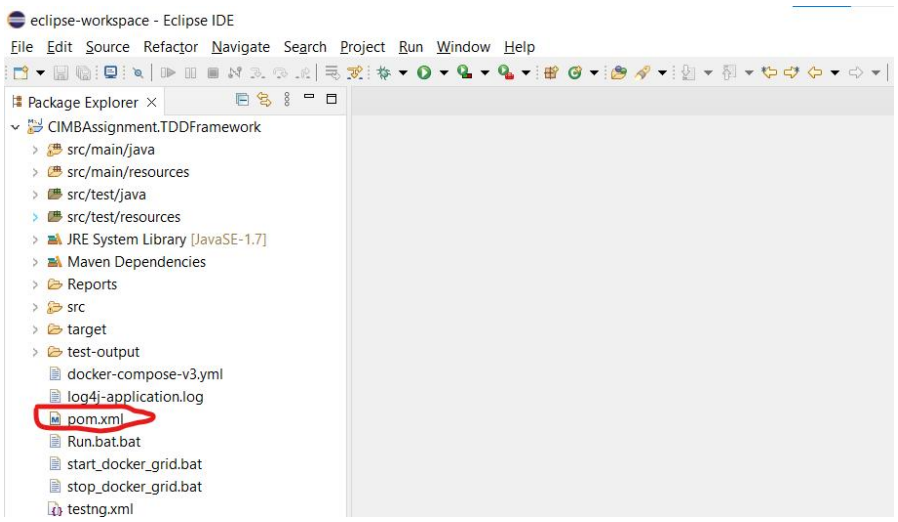
Approach 1B:

Open windows command prompt ->Navigate to project home directory->

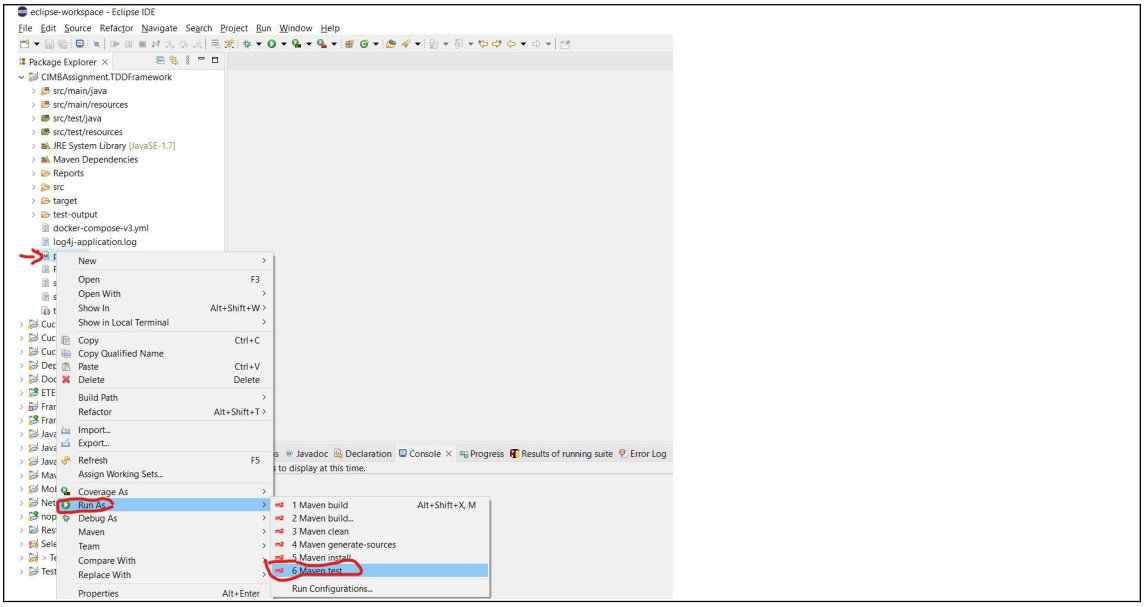
Run command > **mvn clean install**

Approach 2: Run using “pom.xml” file

Step 1: Import the project in eclipse IDE

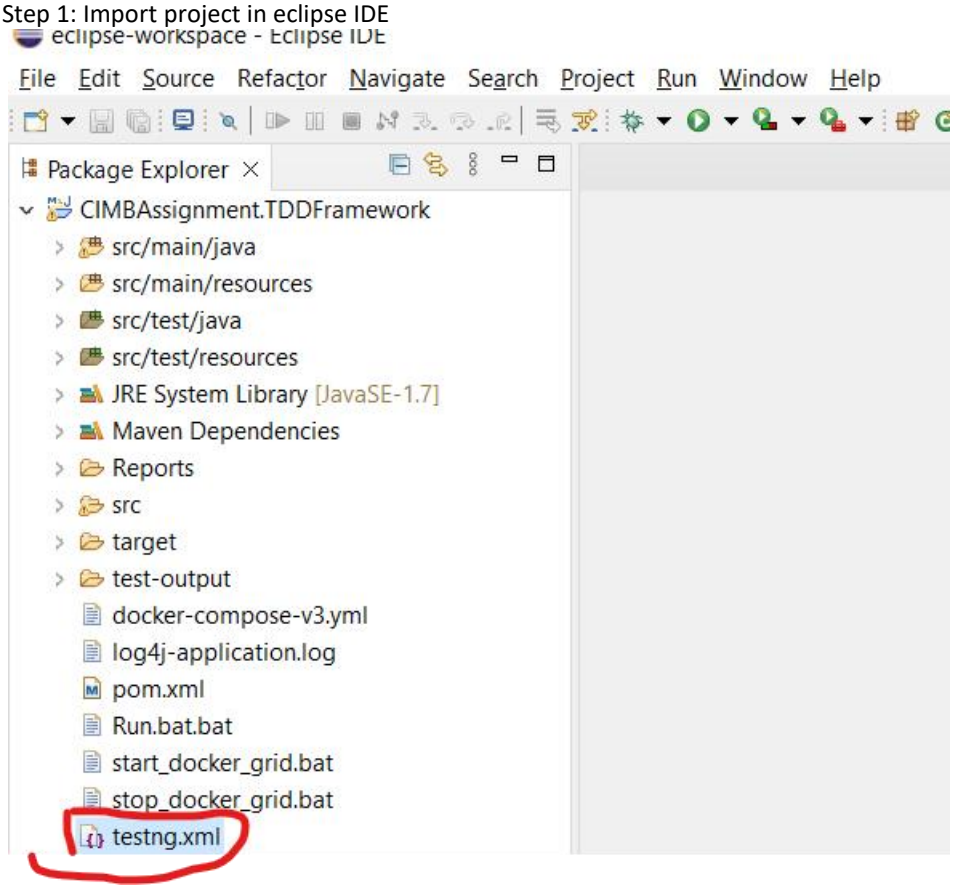


Step 2: Right click on: pom.xml -> select : Run as -> click on: Maven Test

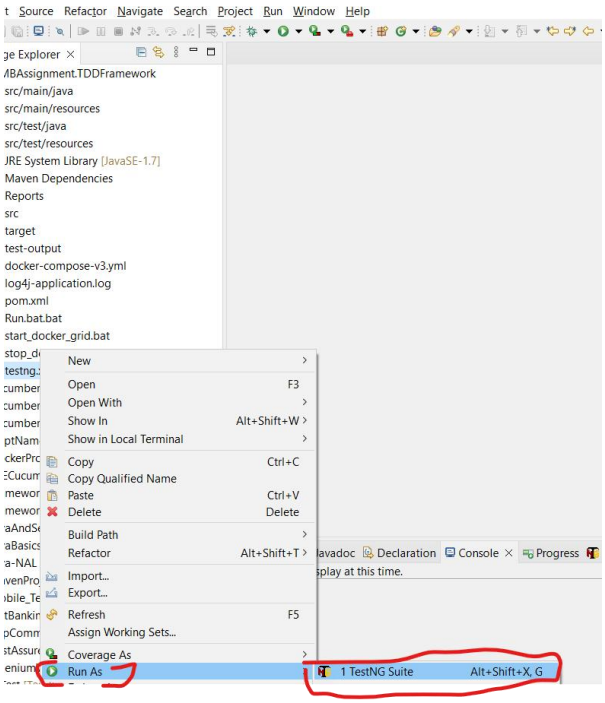


Approach 3: Run using “testng.xml” file

Step 1: Import project in eclipse IDE



Step 2: Right click on : **testng.xml** file -> Select : Run as: -> Click on : TestNG Suite



Section D: How to run project on "Dockerized selenium grid" infrastructure using docker-compose

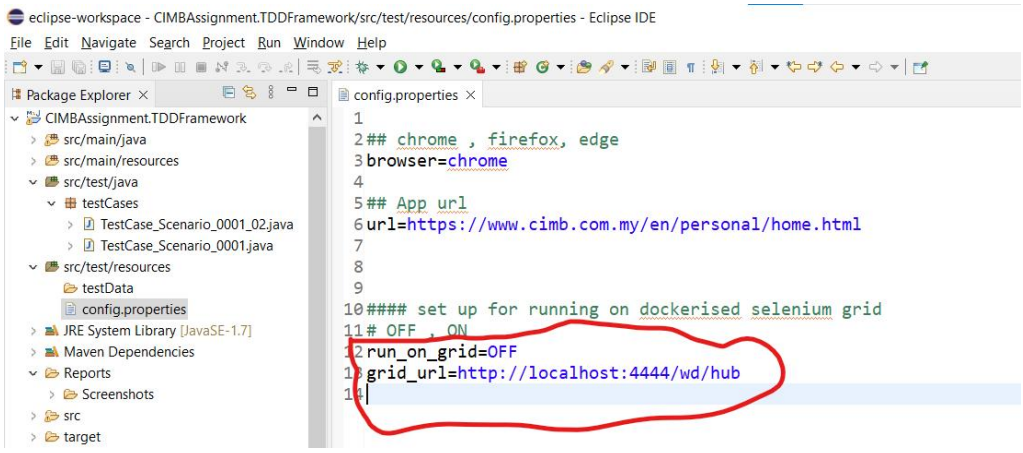
If you wish to run tests on Dockerized selenium grid, then following steps to be followed.

Step 1: Download Docker Desktop [https://www.docker.com/products/docker-desktop/]

Note2: Docker Desktop must be on, automation code will automatically start grid infrastructure before test starts and shuts down once test completes.
You may also use any other existing docker infrastructure to run tests.

Step 2: Open "config.properties" file

```
Change ->  run_on_grid=ON
grid_url -> Provide your grid URL
```



Step 3: Double click on "Run.bat" file

Note 3:

- For running on different browsers , update browser name in “config.properties” file

Note 4:

Report menu options: