

Pre-requisites:

There are following pre-requests are required in order to run the automation project

1. Make sure that of **Google Chrome** is installed. (latest version recommended)
2. The **JDK or JRE** must be installed in your PC. (JDK version 8 or higher)
 - a. Open command prompt or terminal.
 - b. Type “java -- version” and press enter.
 - c. Should be able to get java version if it is installed and configure correctly.

```
C:\Users\dell>java --version
java 11.0.15.1 2022-04-22 LTS
Java(TM) SE Runtime Environment 18.9 (build 11.0.15.1+2-LTS-10)
Java HotSpot(TM) 64-Bit Server VM 18.9 (build 11.0.15.1+2-LTS-10, mixed mode)
```

If you are getting the error “java command not found” then following the steps as stated in the following video to install the JDK in your PC.

How to install JDK: https://www.youtube.com/watch?v=IJ-PJbvJBGs&ab_channel=ProgrammingKnowledge

3. The **Maven** must be installed in your pc (3.6 or higher version is required)
 - a. In the command prompt or terminal type: mvn -version
 - b. Should be able to get maven version if it is installed and configured correctly.

```
dell@DESKTOP-608NT8G MINGW64 ~
$ mvn -version
Apache Maven 3.8.6 (84538c9988a25aec085021c365c560670ad80f63)
Maven home: C:\Users\dell\Downloads\apache-maven-3.8.6-bin\apache-maven-3.8.6
Java version: 11.0.15.1, vendor: Oracle Corporation, runtime: C:\Program Files\J
ava\jdk-11.0.15.1
Default locale: en_US, platform encoding: Cp1252
OS name: "windows 11", version: "10.0", arch: "amd64", family: "windows"
```

If you are getting the error “mvn: command not found”

```
dell@DESKTOP-608NT8G MINGW64 /
$ mvn --version
bash: mvn: command not found
```

Follow the steps that are mentioned in the video to install and configure the maven:

https://www.youtube.com/watch?v=RfCWg5ay5B0&ab_channel=CodingMagic

Execution:

There are total 3 different ways to execute the project you can choose any one of them to run the test but first 2 are recommended:

Execution by running the test.sh shell script in terminal or Gitbash

1. Download and Install Gitbash (only for Windows, skip this step for Linux OS)
 - a. <https://git-scm.com/downloads>
2. Open Gitbash or terminal
3. Go to directory where project is cloned or downloaded.
4. Use "cd" command to go to the directory. For example in my case

```
C:\> cd Haris/coding/mercedes-benz-automation  
  
C:\Haris\coding\mercedes-benz-automation>
```

5. Write the command: ./test.sh
6. Press enter key.

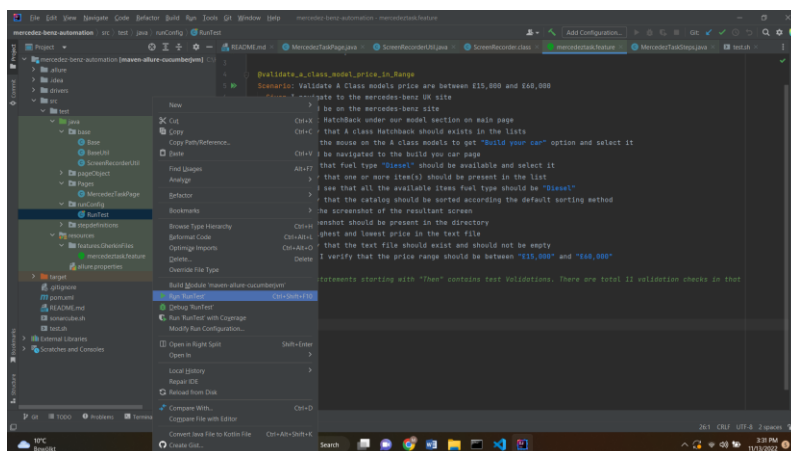
Execution by running the maven command directly in the command prompt/ linux terminal/ IntelliJ IDE terminal (Without Gitbash)

- Open Windows Command prompt/ Linux terminal/ IntelliJ terminal (just only one out of these all)
- Go to directory where project is cloned or downloaded.
- Type the command: mvn clean test -Dcucumber="--tags @mercedesAutomation" allure:serve

```
mvn clean test -Dcucumber="--tags @mercedesAutomation" allure:serve
```
- Hit the enter button.

Execution by Running the RunTest.java file (In that type, won't be able to get allure report)

- Install IntelliJ or any other java IDE
- Open project in IDE
- Go to the file in the directory
 - <project repository>\src\test\java\runConfig
- Right click on the "RunTest.java" file → select run option

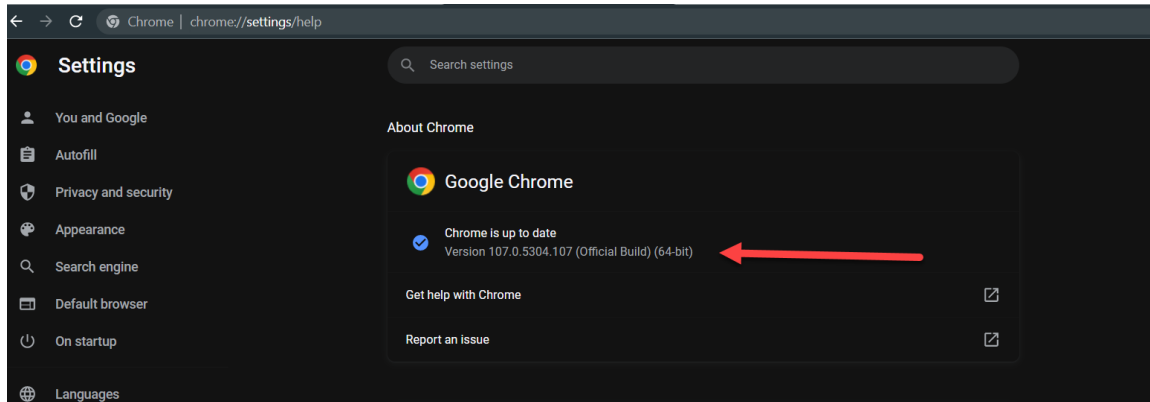


Errors that may encounter during execution (Leave this section if everything works is ok)

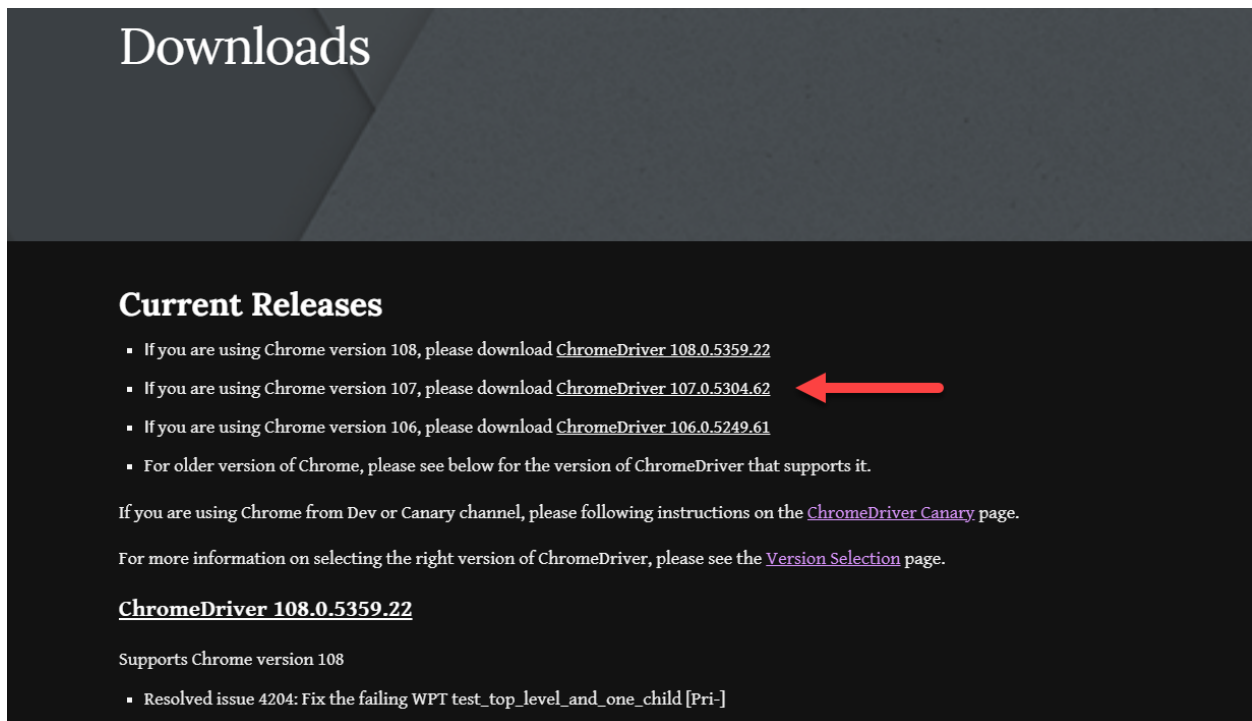
Chrome driver issue:

During execution you may encounter error related to the chrome driver. In that case do the following steps to resolve it:

1. Check the google chrome version

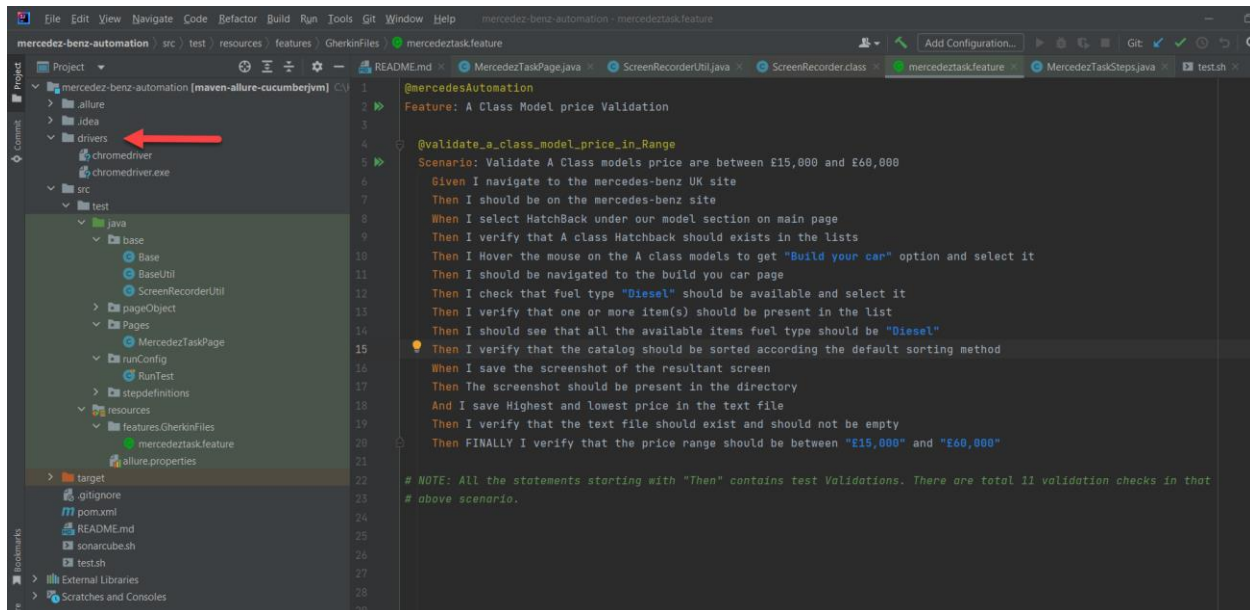


2. Go to the site and download the chrome driver having the same version as google chrome has like 107 version for both.
 - a. Link: <https://chromedriver.chromium.org/downloads>



3. Extract the downloaded zip file.
4. Copy the chromedriver file and paste it to <Project repository>/Drivers

- Before the copy step, **remove** the existing chrome drivers in the <Project repository>/Drivers



Issue running on mac OS:

Right now this project is only configured to run on windows and Linux. In order to run it on mac OS get the chrome driver for mac and follow steps mentioned in the above section.

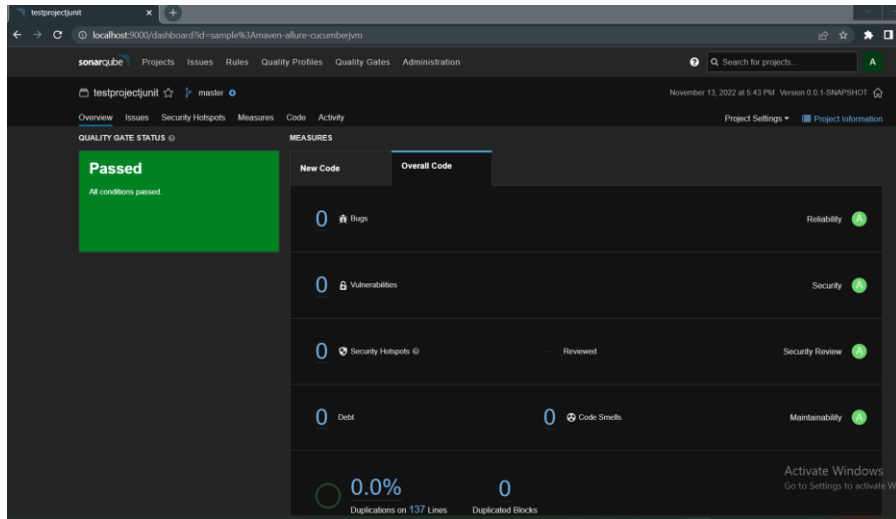
Sonarqube Analysis

In Order get sonar cube analysis do the following steps

- Configure and run sonarqube server.
- Go to the test project repository
- Run sonar cube analysis
 - In terminal or Gitbash run the command: `./sonarcube.sh`
 - OR RUN THE command in windows command prompt: `mvn sonar:sonar`
- Go to the link mentioned in the sonarqube logs

```
[INFO] Sensor Zero Coverage Sensor (done) | time=0ms
[INFO] Sensor Java CPD Block Indexer
[INFO] Sensor Java CPD Block Indexer (done) | time=0ms
[INFO] SCM Publisher SCM provider for this project is: git
[INFO] SCM Publisher 9 source files have been analyzed
[INFO] CPD Executor calculating CPD for 0 files
[INFO] CPD Executor CPD calculation finished (done) | time=0ms
[INFO] Analysis report generated in 87ms, dir size=171.4 kB
[INFO] Analysis report compressed in 286ms, zip size=38.4 kB
[INFO] Analysis report uploaded in 323ms
[INFO] ANALYSIS SUCCESSFUL, you can find the results at: http://localhost:9000/d
ashboard?id=samp1ek3Amaven-allure-cucumberjvm
[INFO] Note that you will be able to access the updated dashboard once the serve
r has processed the submitted analysis report
[INFO] More about the report processing at http://localhost:9000/api/ce/task?id=
AYRx4AZ6igXkFt13ce9Q
[INFO] Analysis total time: 6.382 s
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 9.854 s
[INFO] Finished at: 2022-11-13T17:43:38+01:00
[INFO] -----
```

5. The sonarqube Report will be opened



Hope this guide will be helpful for you!!!!

Still need help?

Please feel free to contact me anytime and I am happy to help you via video call screen sharing

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