

Facebook and Google unit testing: Authentication & Search

1. Start by creating a new Gradle project for unit testing.

2 Writing Test Classes

Create two test classes, one for Google and one for Facebook:

GoogleTest.java:

In this class, we write test cases for Google's search functionality. we can specify what we want to search for and ensure that the search results are accurate.

FacebookTest.java:

This class is dedicated to testing Facebook's login functionality. You can write test cases to simulate different users logging in with their email and password combinations.

TestBase class:

- This class contains common setup and teardown methods for your test classes.
- It initializes the web browser (Chrome) for automating tasks.

GoogleTest class:

- This class is used to perform unit tests on Google's search feature.
- You can verify that searching for specific queries yields accurate results.

FacebookTest class:

- This class is dedicated to testing Facebook's login system.
- You'll simulate users logging in with various email and password combinations and assert the expected behavior.

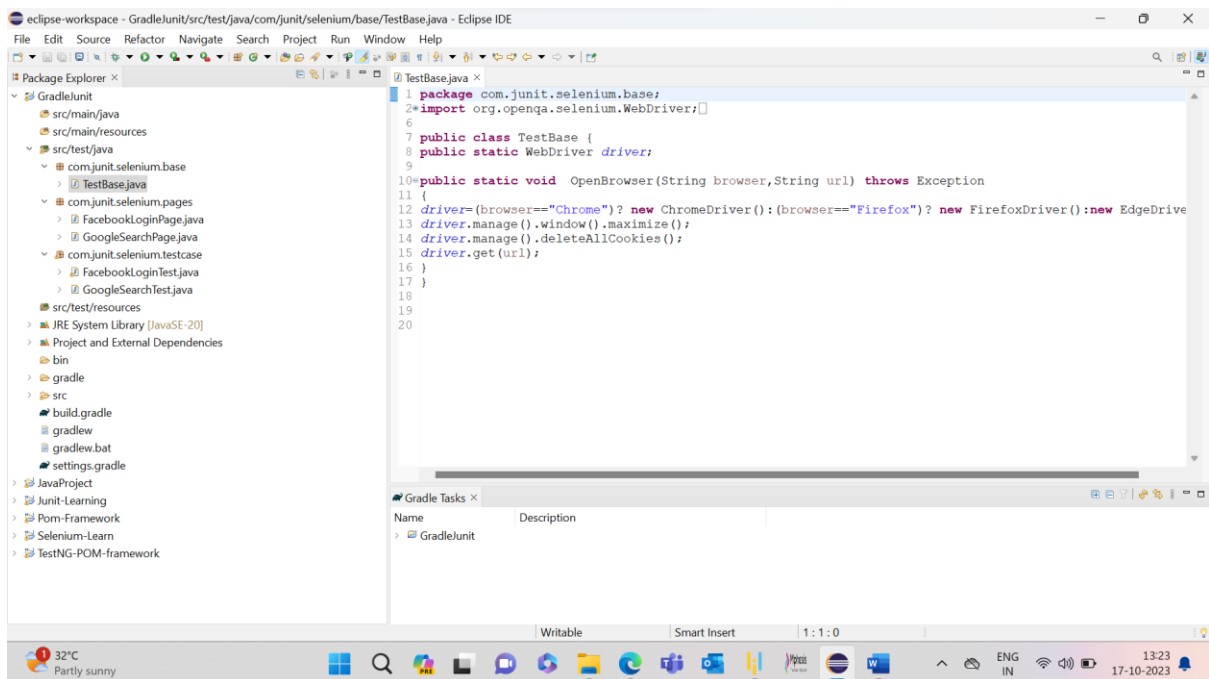
GoogleSearchPage class:

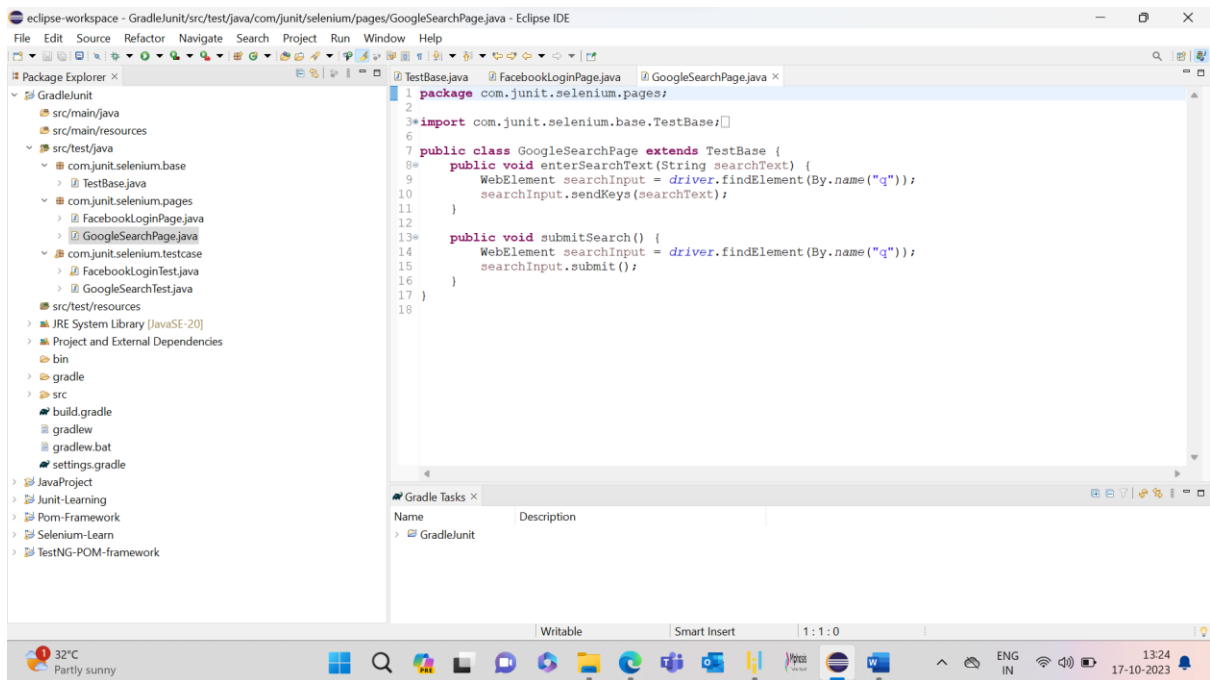
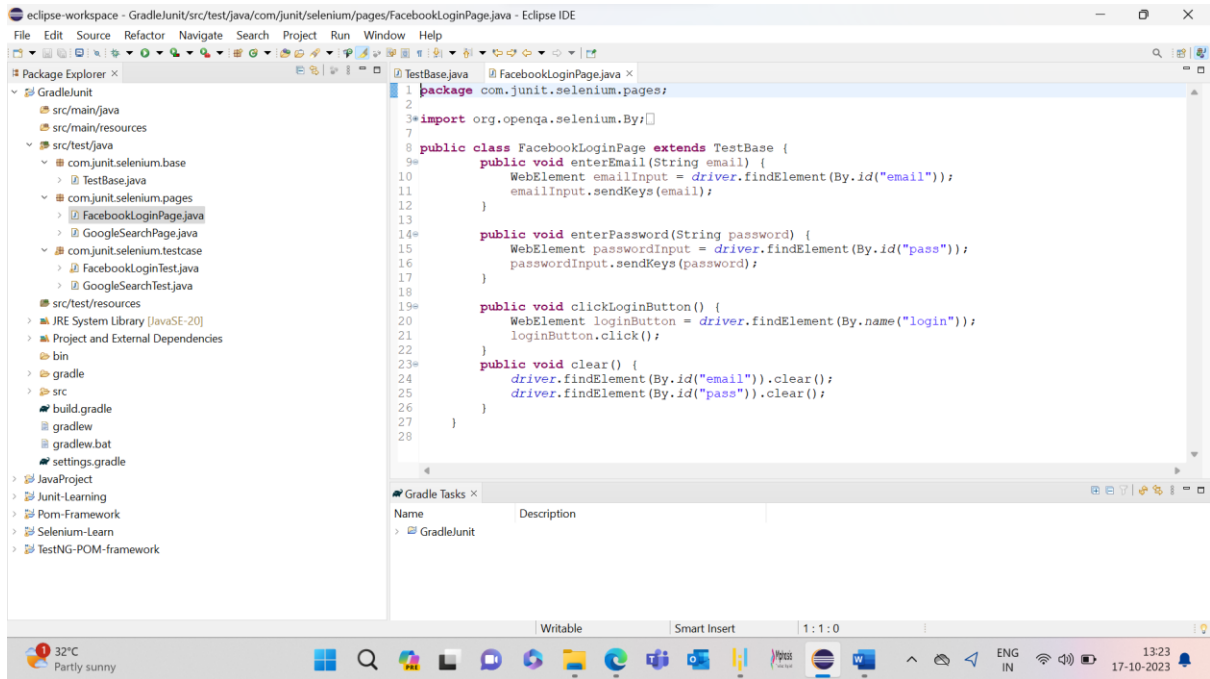
- This class is used to set up the Google search page for testing.

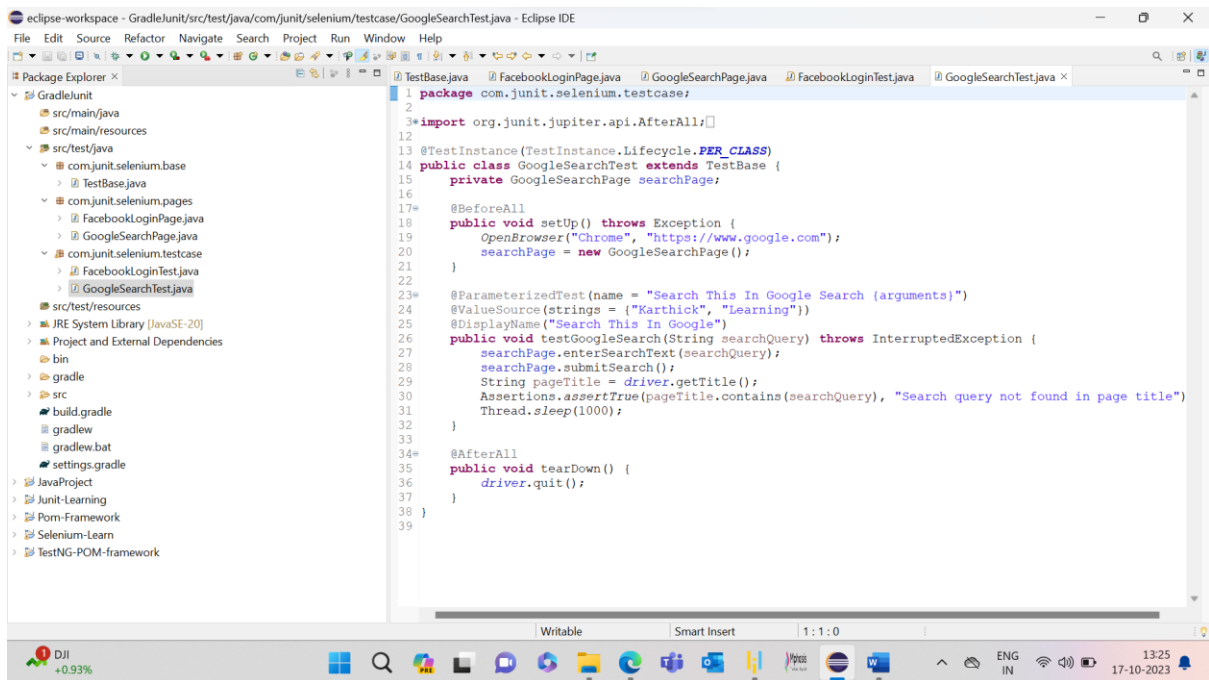
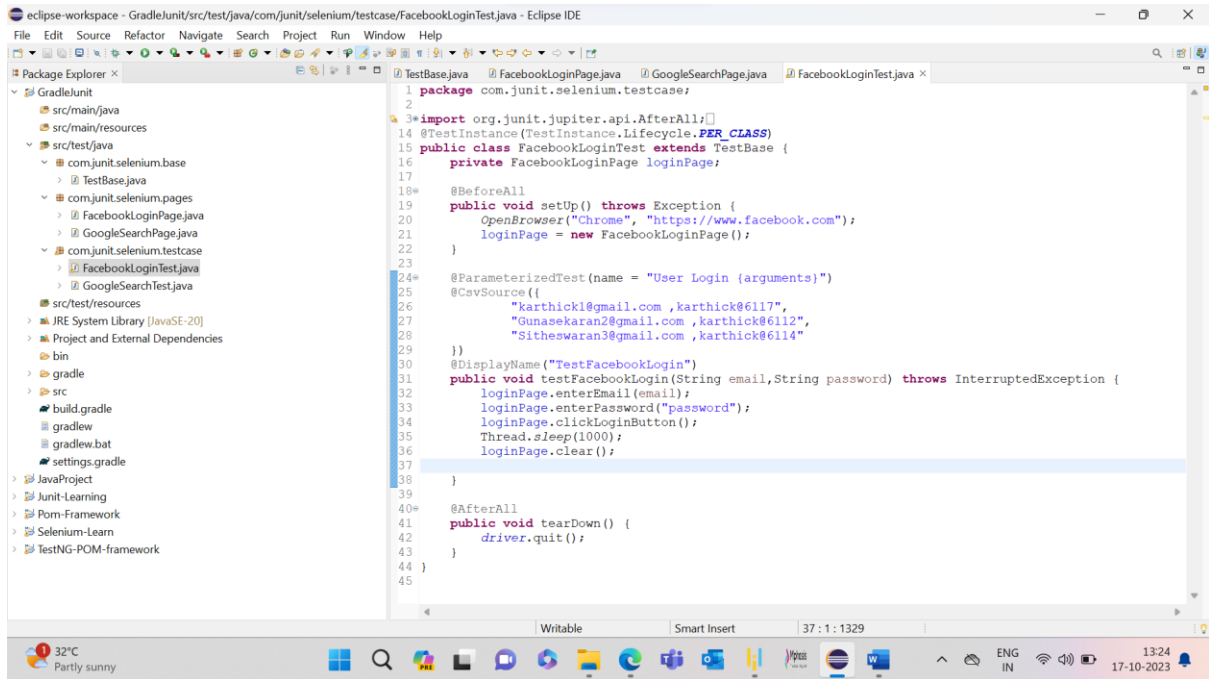
FacebookLoginPage class:

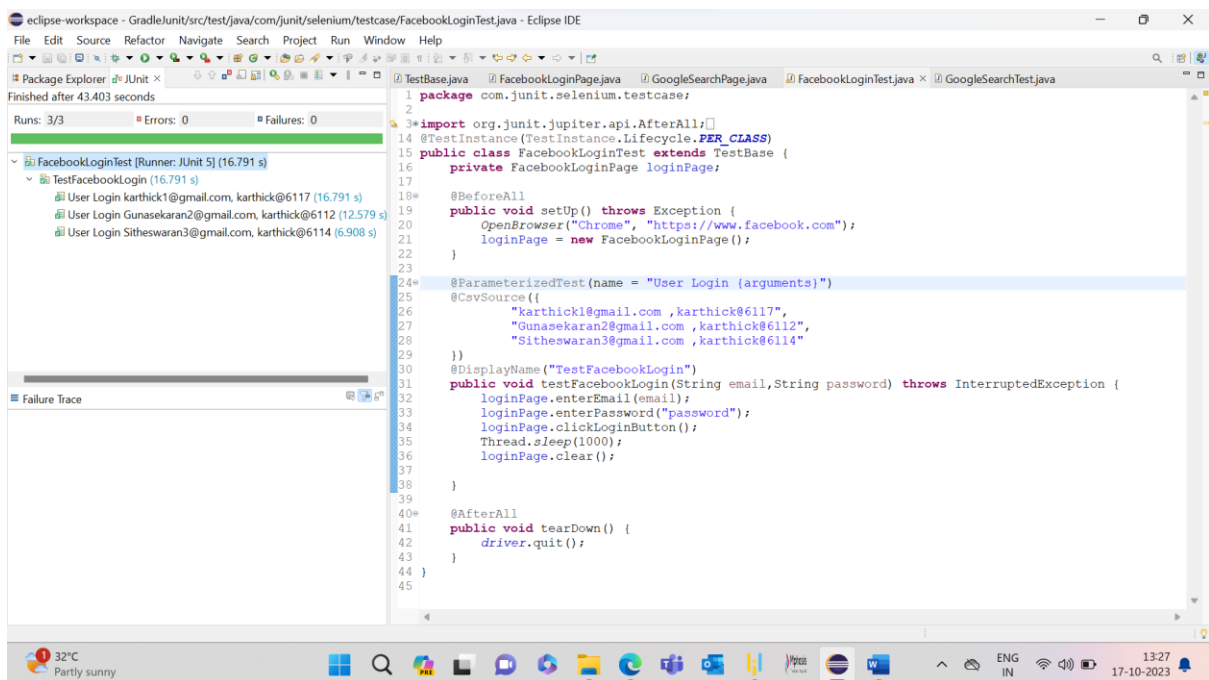
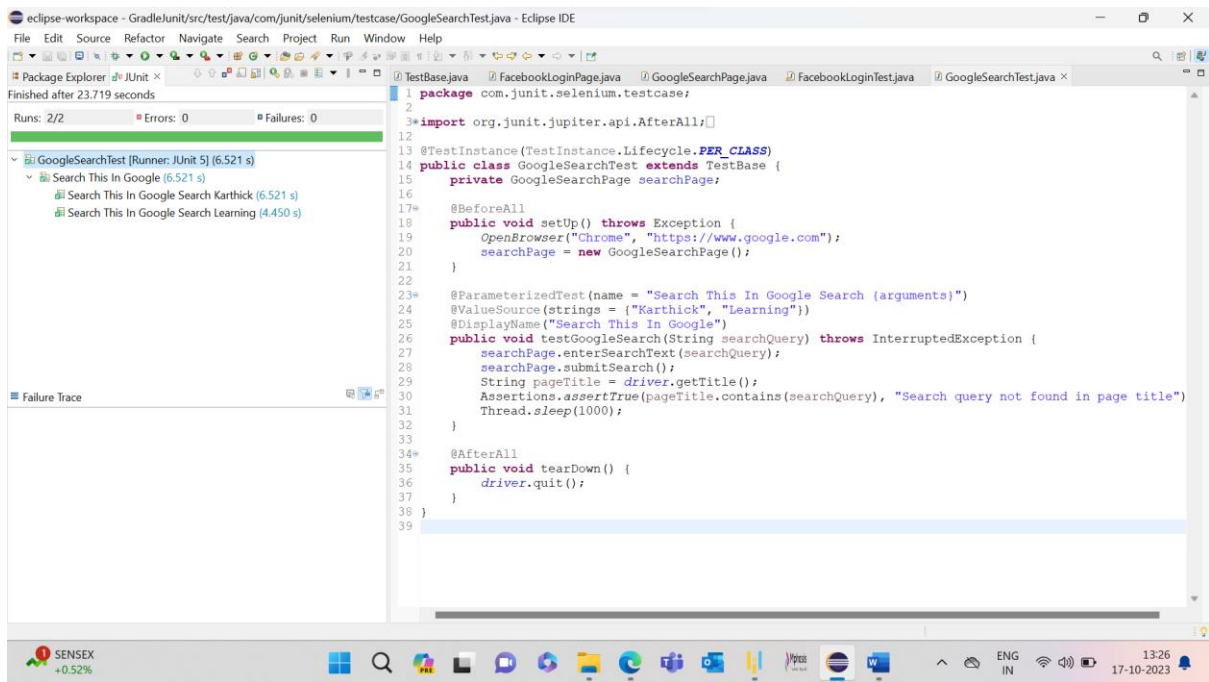
- This class is used to set up the Facebook login page for testing.

- GradleJUnit
 - src/main/java
 - src/main/resources
 - src/test/java
 - com.junit.selenium.base
 - TestBase.java
 - com.junit.selenium.pages
 - FacebookLoginPage.java
 - GoogleSearchPage.java
 - com.junit.selenium.testcase
 - FacebookLoginTest.java
 - GoogleSearchTest.java
 - src/test/resources
 - JRE System Library [JavaSE-20]
 - Project and External Dependencies
 - bin
 - gradle
 - src
 - build.gradle
 - gradlew
 - gradlew.bat
 - settings.gradle









GitHub repository : <https://github.com/Karthick-Office/Project01.git>

Facebook and Google unit testing: Authentication & Search Project is present under the 'JUnit Practice Project' folder in the My GitHub repository