

1. Project Structure

- src/main/java
 - src/test/java
 - pagefactory
 - LoginPage.java
 - SearchPage.java
 - runners
 - TestRunner.java
 - stepdefinition
 - LoginStepDefs.java
 - SearchStepDefs.java
 - SharedSteps.java
 - resource
 - Login.feature
 - Search.feature
 - JRE System Library [JavaSE-1.7]
 - Maven Dependencies
 - src
 - target
 - pom.xml

2. Maven Dependencies

Include the necessary dependencies in the `pom.xml` file, such as Cucumber, Selenium, and any other required libraries.

```
<dependencies>
  <dependency>
    <groupId>junit</groupId>
    <artifactId>junit</artifactId>
    <version>4.11</version>
    <scope>compile</scope>
  </dependency>
  <!-- https://mvnrepository.com/artifact/io.cucumber/cucumber-java -->
  <dependency>
    <groupId>io.cucumber</groupId>
    <artifactId>cucumber-java</artifactId>
    <version>7.10.1</version>
  </dependency>
  <!-- https://mvnrepository.com/artifact/io.cucumber/cucumber-java -->
  <dependency>
    <groupId>io.cucumber</groupId>
    <artifactId>cucumber-junit</artifactId>
    <version>7.10.1</version>
    <scope>compile</scope>
  </dependency>
  <!-- https://mvnrepository.com/artifact/io.cucumber/cucumber-java -->
  <dependency>
    <groupId>io.cucumber</groupId>
    <artifactId>cucumber-core</artifactId>
    <version>7.10.1</version>
  </dependency>
  <dependency>
    <groupId>org.seleniumhq.selenium</groupId>
    <artifactId>selenium-java</artifactId>
    <version>4.11.0</version>
  </dependency>
  <!-- https://mvnrepository.com/artifact/io.github.bonigarcia/webdrivermanager -->
  <dependency>
    <groupId>io.github.bonigarcia</groupId>
    <artifactId>webdrivermanager</artifactId>
    <version>5.4.1</version>
  </dependency>
  <dependency>
    <groupId>tech.grasshopper</groupId>
    <artifactId>extentreports-cucumber7-adapter</artifactId>
    <version>1.7.0</version>
  </dependency>
</dependencies>
```

3. Feature Files

a. Login.feature

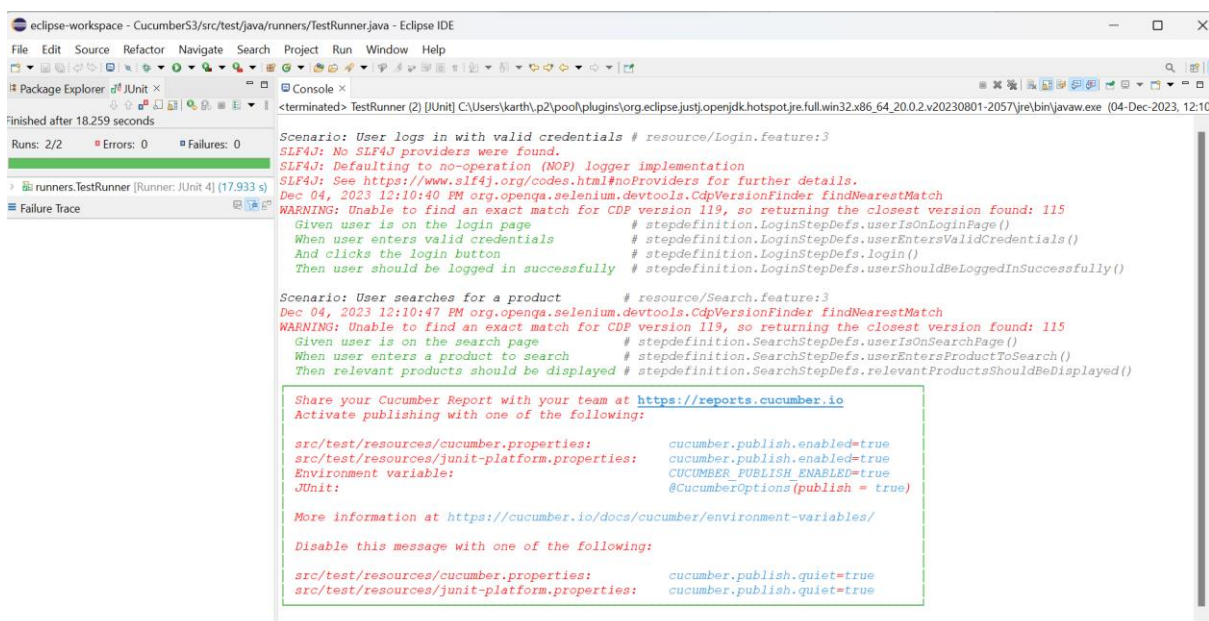
Feature: Login functionality

Scenario: User logs in with valid credentials
Given user is on the login page
When user enters valid credentials
And clicks the login button
Then user should be logged in successfully

b. Search.feature

Feature: Product search functionality

Scenario: User searches for a product
Given user is on the search page
When user enters a product to search
Then relevant products should be displayed



The screenshot shows the Eclipse IDE interface with the Cucumber test runner output in the console. The output displays two scenarios: 'User logs in with valid credentials' and 'User searches for a product'. Both scenarios are marked as passed. The output also includes a warning about the CDP version and a link to the Cucumber report. The console output is as follows:

```
Scenario: User logs in with valid credentials # resource/Login.feature:3
SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
Dec 04, 2023 12:10:40 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 119, so returning the closest version found: 115
Given user is on the login page # stepdefinition.LoginStepDefs.userIsOnLoginPage()
When user enters valid credentials # stepdefinition.LoginStepDefs.userEntersValidCredentials()
And clicks the login button # stepdefinition.LoginStepDefs.login()
Then user should be logged in successfully # stepdefinition.LoginStepDefs.userShouldBeLoggedInSuccessfully()

Scenario: User searches for a product # resource/Search.feature:3
Dec 04, 2023 12:10:47 PM org.openqa.selenium.devtools.CdpVersionFinder findNearestMatch
WARNING: Unable to find an exact match for CDP version 119, so returning the closest version found: 115
Given user is on the search page # stepdefinition.SearchStepDefs.userIsOnSearchPage()
When user enters a product to search # stepdefinition.SearchStepDefs.userEntersProductToSearch()
Then relevant products should be displayed # stepdefinition.SearchStepDefs.relevantProductsShouldBeDisplayed()

Share your Cucumber Report with your team at https://reports.cucumber.io
Activate publishing with one of the following:

src/test/resources/cucumber.properties: cucumber.publish.enabled=true
src/test/resources/junit-platform.properties: cucumber.publish.enabled=true
Environment variable: CUCUMBER_PUBLISH_ENABLED=true
JUnit: @CucumberOptions(publish = true)

More information at https://cucumber.io/docs/cucumber/environment-variables/

Disable this message with one of the following:

src/test/resources/cucumber.properties: cucumber.publish.quiet=true
src/test/resources/junit-platform.properties: cucumber.publish.quiet=true
```

My Full Project:

GitHub repository : <https://github.com/Karthick-Office/Project01.git> My "CucumberS2" Project is present under the "CucumberS2" folder in the GitHub