1. Project Structure

2. Maven Dependencies

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

```xml
<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

```
@Login
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


@Search
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
```

```
In POM

  <plugin>
      <artifactId>maven-surefire-plugin</artifactId>
      <version>2.22.1</version>
        <configuration>
          <parallel>methods</parallel>
          <useUnlimitedThreads>true</useUnlimitedThreads>
          <threadCount>2</threadCount> <!-- Adjust the thread count as needed --
        </configuration>
  </plugin>
```

My Full Project:

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