Part 1: Setup for Environments

Step 1: Install Java

1. **JDK: -Download Java Development Kit**

   Go to the official website links: - Oracle JDK download page.

   Choose your operating system (Windows, macOS)

   Run the downloaded installer and follow the on-screen instructions to install JDK on your system.

   Set JAVA_HOME environment variable:

   Windows:

   - Right-click on ‘Computer’ > ‘Properties’ > ‘Advanced system settings’ > ‘Environment Variables’.
   - Under System Variables, click ‘New’ and add JAVA_HOME with the path to the JDK installation folder (path, C:\Program Files\Java\jdk-21).
   - Add %JAVA_HOME%\bin to the PATH variable.

Step 2: Install Selenium WebDriver

1. **Download Selenium WebDriver:**

   Go to the official Selenium downloads page.

   Download your WebDriver for your browser (ChromeDriver)

   Extract the downloaded file to a location on your system.

   Set up the WebDriver executable path:

   - **Windows**:
     - Place the WebDriver executable in a directory (C:\Selenium).
     - Add the path to this directory in the PATH environment variable.

Step 3: Add Selenium Dependencies to Your Project

1. **Using Maven**:

Open your terminal.

Navigate to your project's root directory.

Run the following command to add the necessary Selenium dependencies to your pom.xml

Add Your Dependence

Save and close pom.xml.

Gradle (if using Gradle for dependencies):

- Add the following lines to your build. gradle file:
groovy

dependencies

Step 4: Create a New Maven Project

1. **Using Maven Command Line**:
    - Open a terminal.
    - Navigate to the directory where you want to create the Maven project.

Run the following command:
sh
Follow the prompts to set the desired package name and other configurations.

Navigate into the created project directory (Assessments).

2. **Using an IDE (Eclipse)**:

Open the IDE.

Select File > New > Project.

Choose Maven as the project type and fill in the required details such as group ID, artifact ID, and packaging type (usually jar).

Click Finish to create the project.

3. Install Maven: Ensure Apache Maven is installed for dependency management.

Set up a Maven Project:

- Create a Maven project in your IDE.
- Add the following dependencies to the `pom.xml` file:
  XML
  Copy code

Part 2: Script Development

Step 1: Create a New Package in src/test/java

1. **In your IDE**:

Open the project you created in Part 1.

Navigate to the src/test/java folder.

Right-click on the package explorer and select New > Package.

Step 2: Write a Java Class for Test Scripts

1. **In the newly created package**:

Right-click on the package and select New > Java Class.

Name the class, for Assessments

Open the newly created class file.

Write Java code to create a simple test using Selenium WebDriver:
Java.

Replace "path_to_chromedriver" with the path to your ChromeDriver executable.

Run the script:

Right-click on the Assessments class file in your IDE and select Run.

The script will open the spec URL using the Chrome browser, print the page title, and then close the browser.

Part 3. Assessments Task

Test Scenarios for "Apparel & Accessories" Module

- Verify navigation to the Apparel & Accessories category page.
- Verify filtering products by price range.
- Verify sorting products by "Price Low to High."
- Verify selecting a product and viewing its details.
- Verify adding a product to the cart.
- Verify the cart displays the correct product details.
- Verify updating the product quantity in the cart.
- Verify removing a product from the cart.
- Verify the search functionality works for a specific product in the category.
- Verify the checkout process till the confirmation page.

Feature File ➖

```
Feature: Manage Apparel and Accessories

  As a user, I want to browse, filter, and add items from the Apparel & Accessories module.


  Scenario: Add a product to the cart

    Given I navigate to "https://automationteststore.com"

    When I select the "Apparel & Accessories" category

    And I sort products by "Price Low to High"

    And I select a product and add it to the cart.

    Then I verify the product is successfully added to the cart:-
```

This Is Repo Links is GitHub Account ➖

https://github.com/DeepakSED/Selenium-Testing-Test.git