

## **how to run the code**

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### **1. Prerequisites**

Before running the code, ensure the following are installed and configured:

- Java Development Kit (JDK): Ensure JDK 8 or later is installed on your system.
- Maven: Make sure Maven is installed to manage project dependencies and execute the tests.
- ChromeDriver: Download the appropriate ChromeDriver version compatible with your Chrome browser and ensure it is accessible in your system's PATH.

### **2. Steps to Run**

#### *Clone the Repository*

First, clone the repository containing the provided Java code to your local machine.

#### *Navigate to Project Directory*

Open a terminal or command prompt and change the directory to the project folder where the Java code is located.

#### *Update ChromeDriver Path*

Open the `FlexiPillsAssign.java` file and update the path to ChromeDriver. Locate the following line of code:

#### *In java*

```
System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");  
...
```

Replace `"path/to/chromedriver"` with the actual path where your ChromeDriver executable is located.

#### *Run the Tests*

Execute the following Maven command in the terminal to run the tests:

```
```bash
mvn test
```
```

Maven will compile the code, download dependencies, and execute the test methods defined in the Java file.

#### *View Test Results*

After running the tests, review the test results in the terminal. Additionally, detailed test reports will be generated in the `target/surefire-reports` directory. Open the `index.html` file in this directory using a web browser to view comprehensive test results.

### **3. Test Scenarios Covered**

The provided code includes test scenarios for:

- User login with valid credentials.
- Adding an item to the cart.
- Creating an order with valid details.
- Negative scenarios such as invalid login, invalid add-to-cart, and invalid order creation are also covered.

#### **Important Notes**

- Ensure that all prerequisites are met and the ChromeDriver path is correctly set before running the tests.
- Make sure the URLs and API endpoints referenced in the code are accessible and functional.
- Review the test output and reports for any errors or failures.