**How to Set Up and Run the Automation Script**

**1. Prerequisites**

Follow these steps to set up and execute the automated test for the **FitPeo** website using Selenium WebDriver, TestNG, and Page Object Model (POM) design pattern. Ensure the following tools and software are installed on your system:

1. **Java Development Kit (JDK):**

* Install [JDK 8 or higher](https://www.oracle.com/java/technologies/javase-downloads.html).
* Verify installation by running:
  + - java -version
    - javac -version

1. **Eclipse IDE:**

* Download and install Eclipse IDE.

1. **WebDriverManager:**

* The scripts use WebDriverManager to manage browser drivers dynamically. No manual setup is required.

1. **TestNG Plugin for Eclipse:**

* Install TestNG in Eclipse from Help > Eclipse Marketplace by searching for "TestNG".
* Add TestNG dependency to the pom.xml file if Maven is used.

1. **Browser:**

* Install the latest version of Google Chrome browser.

**2. Project Setup:**

1. **Clone or Download the Repository**:

* If you are using a Git repository, clone it using the command:

git clone <repository-url>

* Alternatively, you can manually download the files.

1. **Open the Project in Your IDE:**
2. Open Eclipse IDE.
3. Go to File > Import.
4. Select Maven > Existing Maven Projects and click Next.
5. Browse to the folder containing the unzipped project and click Finish.
6. **Install Dependencies:**

* If using Maven, ensure that all dependencies in pom.xml are installed. Like selenium, TestNG, WebDriverManager.
* For the reference see the pom.xml code:

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"

xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>com.fitpeo</groupId>

<artifactId>Fitpeo-Automation-Project</artifactId>

<version>0.0.1-SNAPSHOT</version>

<packaging>jar</packaging>

<name>Fitpeo-Automation-Project</name>

<url>http://maven.apache.org</url>

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

</properties>

<dependencies>

<!-- https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java -->

<dependency>

<groupId>org.seleniumhq.selenium</groupId>

<artifactId>selenium-java</artifactId>

<version>4.26.0</version>

</dependency>

<!-- https://mvnrepository.com/artifact/org.testng/testng -->

<dependency>

<groupId>org.testng</groupId>

<artifactId>testng</artifactId>

<version>7.10.2</version>

<scope>test</scope>

</dependency>

<!-- https://mvnrepository.com/artifact/io.github.bonigarcia/webdrivermanager -->

<dependency>

<groupId>io.github.bonigarcia</groupId>

<artifactId>webdrivermanager</artifactId>

<version>5.9.2</version>

</dependency>

</dependencies>

</project>

1. **Test Execution:**
2. **Configure the Test URL**:

* In the BaseTest.java file, ensure that the URL **driver.get("**[**https://fitpeo.com**](https://fitpeo.com/)**");** is correct.

1. **Run the Test**:

* Open the RevenueCalculatorTest.java file in your IDE.
* Right-click on the file and choose **Run As > TestNG Test** (or use the TestNG configuration in your IDE).

1. **View Test Results**:
2. Test execution results will appear in the **Console** tab of Eclipse.
3. For detailed reports:

* Check the test-output folder in the project directory for TestNG reports.

**4. Troubleshooting**

1. **Issue**: ChromeDriver version mismatch.

* **Solution**: Ensure ChromeDriver and Chrome browser versions match. WebDriverManager should handle this automatically.

1. **Issue**: Missing dependencies.

* **Solution**: Verify all JAR files are added to the project.