Automation Tester Assignment: Document

Objective:

The objective of this assignment is automate the navigation and interaction with web elements using a web automation tool of selenium.

Setting Up Environment in Eclipse

1. **Install Eclipse IDE:** Download and install Eclipse IDE.

2. **Set Up a New Java Project:**

   o   Open Eclipse.

   o   Go to File -> New -> Java Project.

   o   Enter a project name (e.g., FitPeoAutomation) and click Finish.

3. **Add Selenium Libraries:**

   o   Right-click on your project in the Project Explorer and select Properties.

   o   Go to Java Build Path -> Libraries -> Add External JARs.

   o   Download the latest Selenium Java Client Driver from Selenium's website.

   o   Add the downloaded JAR files to project.

4. **Download WebDriver:**

   o   Download the WebDriver for browser (e.g., ChromeDriver for Chrome) from here.

   o   Extract the executable and place it in a directory (e.g., C:\webdriver\).

5. **Add WebDriver to System Path (Optional):**

   o   Add the WebDriver executable path to your system PATH environment variable or specify the path in your code.

Writing the Automation Script

1. **Create a New Java Class:**
   1. Right-click on the `src` folder in your project.
   2. Select `New` -> `Class`.
   3. Enter a class name (e.g., `FitPeoTest`) and click `Finish`.
2. **Write the Automation Code:**
   1. Open the newly created Java class file and write the code:

Running the Script

1. **Run the Java Class:**

   o Right-click on the class file (FitPeoTest.java) in the Project Explorer.

   o Select Run As -> Java Application.

Additional Notes

- Locators: Adjust the locators (By.id, By.xpath,By.cssselector etc.) according to the actual HTML structure of the FitPeo website.

- Waits: might need to use WebDriverWait for more reliable waiting instead of Thread.sleep() to handle dynamic content loading.

This setup allows you to automate web interactions and perform validations using Selenium WebDriver with Java in Eclipse.