Here's a brief document on how to set up and run the Selenium WebDriver script for FitPeo Automation. This guide will cover the prerequisites, setup, and execution of the script in a standard development environment.

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//Setting Up and Running the FitPeo Automation Script

// Prerequisites

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

- Ensure you have JDK installed on your system. You can download it from [Oracle's website](https://www.oracle.com/java/technologies/javase-jdk11-downloads.html) or use an OpenJDK distribution.

- Verify installation by running `java -version` and `javac -version` in your command line or terminal.

2. \*\*Apache Maven (Optional)\*\*

- Maven can help manage dependencies. You can download it from [Apache Maven](https://maven.apache.org/download.cgi) and follow the installation instructions.

3. \*\*IDE (Integrated Development Environment)\*\*

- Use an IDE like IntelliJ IDEA, Eclipse, or VS Code to write and run the code.

4. \*\*Selenium WebDriver\*\*

- Download the Selenium WebDriver library from [Selenium's official website](https://www.selenium.dev/downloads/).

5. \*\*ChromeDriver\*\*

- Download the ChromeDriver that matches your version of Chrome from [ChromeDriver download page](https://sites.google.com/chromium.org/driver/).

- Place the `chromedriver` executable in a known directory or update your system's PATH environment variable to include the directory.

//Setup

1. \*\*Create a New Project\*\*

- Create a new Java project in your IDE.

2. \*\*Add Selenium and ChromeDriver Dependencies\*\*

If using Maven, add the following dependencies to your `pom.xml`:

```xml

<dependencies>

<dependency>

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

<artifactId>selenium-java</artifactId>

<version>4.0.0</version> <!-- Check for the latest version -->

</dependency>

</dependencies>

```

If not using Maven, download the Selenium JAR files and add them to your project’s build path.

3. \*\*Place the ChromeDriver\*\*

- Make sure `chromedriver` is in a directory that is included in your system's PATH or specify the path in the code using `System.setProperty`.

### Code

Copy and paste the following code into a Java file named `Fitpeo\_Automation.java`:

```java

package qedge\_webdrivers\_sep26;

import java.time.Duration;

import org.openqa.selenium.By;

import org.openqa.selenium.JavascriptExecutor;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

public class Fitpeo\_Automation {

public static void main(String[] args) throws Throwable {

// Set path to the ChromeDriver if it's not in your PATH

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

WebDriver driver = new ChromeDriver();

driver.manage().window().maximize();

driver.manage().deleteAllCookies();

driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));

// Navigate to the FitPeo Homepage

driver.get("https://www.fitpeo.com/");

// Scroll Down to the Slider section

driver.findElement(By.xpath("//div[contains(text(),'Revenue Calculator')]")).click();

// Scroll Down to the Slider section

JavascriptExecutor js = (JavascriptExecutor) driver;

Thread.sleep(5000);

js.executeScript("window.scrollBy(0,300)");

WebElement slider = driver.findElement(By.xpath("//span[contains(@data-index,'0')]"));

// Adjust the Slider

Actions move = new Actions(driver);

move.dragAndDropBy(slider, 93, 0).perform(); // 820

Thread.sleep(5000);

move.sendKeys(Keys.ARROW\_RIGHT).perform();

move.sendKeys(Keys.ARROW\_RIGHT).perform();

move.sendKeys(Keys.ARROW\_RIGHT).perform();

move.sendKeys(Keys.ARROW\_RIGHT).perform();

move.sendKeys(Keys.ENTER).perform();

Thread.sleep(5000);

driver.findElement(By.xpath("//input[@type='number']")).clear();

Thread.sleep(5000);

// Update the Text Field

js.executeScript("document.querySelector(\"input[id=':r0:']\").value='560'");

Thread.sleep(2000);

String Expectedtext = "560";

String Actualtext = driver.findElement(By.xpath("//input[@type='number']")).getAttribute("value");

Thread.sleep(2000);

// Validate Slider Value

if (Expectedtext.equalsIgnoreCase(Actualtext)) {

System.out.println(Expectedtext + " " + Actualtext + " " + "value matching");

} else {

System.out.println(Expectedtext + " " + Actualtext + " " + "value is not matching");

}

Thread.sleep(2000);

// Select CPT Codes

driver.findElement(By.xpath("(//input[@type='checkbox'])[1]")).click();

Thread.sleep(1000);

driver.findElement(By.xpath("(//input[@type='checkbox'])[2]")).click();

Thread.sleep(1000);

driver.findElement(By.xpath("(//input[@type='checkbox'])[3]")).click();

Thread.sleep(1000);

driver.findElement(By.xpath("(//input[@type='checkbox'])[8]")).click();

Thread.sleep(1000);

// Validate Total Recurring Reimbursement

String Expected = "110700";

String Actual = driver.findElement(By.xpath("(//p[position()=1])[5]")).getText();

System.out.println(Actual);

// Verify that the header displaying

if (Expected.equalsIgnoreCase(Actual)) {

System.out.println(Expected + " " + Actual + " " + "value matching");

} else {

System.out.println(Expected + " " + Actual + " " + "value is not matching");

}

Thread.sleep(2000);

// Close the browser

driver.quit();

}

}

```

// Running the Script

1. \*\*Compile the Code\*\*

- If using an IDE, you can simply run the file.

- If using the command line, navigate to the project directory and compile with `javac Fitpeo\_Automation.java`.

2. \*\*Execute the Program\*\*

- Run the compiled code with `java Fitpeo\_Automation`.

// Troubleshooting

- \*\*WebDriver Version Mismatch\*\*: Ensure the ChromeDriver version matches your installed Chrome browser version.

- \*\*Element Not Found\*\*: Verify the XPath locators if they don’t match the current structure of the FitPeo website.

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This guide should help you get started with running the Selenium script in a standard development environment. Let me know if you have any further questions!