**Automation Analyst Assignment (FitPeo Tech Pvt Ltd)**

package Fitpeo;  
  
import [org.openqa.selenium.By](http://org.openqa.selenium.by/)**;**import org.openqa.selenium.JavascriptExecutor;  
import org.openqa.selenium.WebDriver;  
import org.openqa.selenium.WebElement;  
import org.openqa.selenium.devtools.idealized.Javascript;  
import org.openqa.selenium.firefox.FirefoxDriver;  
import org.openqa.selenium.interactions.Actions;  
import org.openqa.selenium.support.ui.ExpectedConditions;  
import org.openqa.selenium.support.ui.FluentWait;  
import org.openqa.selenium.support.ui.Wait;  
import org.openqa.selenium.support.ui.WebDriverWait;  
  
import java.time.Duration;  
  
public class Task {  
  
    public static void main(String[] args) throws InterruptedException {  
        System.setProperty("webdriver.gecko.driver", "C:\\Users\\lenovo\\Downloads\\geckodriver-v0.33.0-win64\\geckodriver.exe");  
  
        WebDriver driver = new FirefoxDriver();  
        driver.manage().window().maximize();  
  
  **// Navigate to the FitPeo Homepage:**  
            driver.get("<https://fitpeo.com/>");  
             
  **//Navigate to the Revenue Calculator Page:**  
         driver.findElement(By.xpath("//a[@href=\"/revenue-calculator\"]")).click();  
         Thread.sleep(3000);  
           
**// Scroll Down to the Slider section:**  
         JavascriptExecutor js=(JavascriptExecutor)driver;  
         js.executeScript("window.scroll(0,400)");  
           
**// Adjust the Slider:**  
         WebElement slider=driver.findElement(By.xpath("//span[@class=\"MuiSlider-thumb MuiSlider-thumbSizeMedium MuiSlider-thumbColorPrimary MuiSlider-thumb MuiSlider-thumbSizeMedium MuiSlider-thumbColorPrimary css-1sfugkh\"]"));  
         Actions actions=new Actions(driver);  
         actions.clickAndHold(slider).moveByOffset(93, 0).perform();  
           
         Thread.sleep(3000);  
           
         **// Update the Text Field:**  
         WebElement textfield =driver.findElement(By.xpath("//input[@id=\":r0:\"]"));  
  
         textfield.clear();  
         textfield.sendKeys("560");  
           
  
           
           
         Thread.sleep(3000);  
           
  
        **//** **Validate Slider Value:**  
         String textfield1 = textfield.getAttribute("value");  
         if (textfield1.equals("560")) {  
         
             System.out.println("Slider value updated correctly!"+ " "+ textfield1);  
               
         } else {  
             System.out.println("Slider value did not update correctly.");  
         }  
           
        **// Select CPT Codes:**  
         driver.findElement(By.xpath("(//input[@class=\"PrivateSwitchBase-input css-1m9pwf3\"])[1]")).click();  
         driver.findElement(By.xpath("(//input[@class=\"PrivateSwitchBase-input css-1m9pwf3\"])[2]")).click();  
         driver.findElement(By.xpath("(//input[@class=\"PrivateSwitchBase-input css-1m9pwf3\"])[3]")).click();  
         Thread.sleep(3000);          
         js.executeScript("window.scroll(0,1600) ");  
         driver.findElement(By.xpath("(//input[@class=\"PrivateSwitchBase-input css-1m9pwf3\"])[8]")).click();

**//Validate Total Recurring Reimbursement:**  
         WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(10));  
  
           
         WebElement totalrecurringreimbursement= wait.until(  
                 ExpectedConditions.visibilityOfElementLocated(By.xpath("(//p[@class=\"MuiTypography-root MuiTypography-body1 inter css-1bl0tdj\"])[4]"))  
               );  
           
         String totalrecurringreimbursement1= totalrecurringreimbursement.getText();  
         System.out.println( totalrecurringreimbursement1);  
           
         if(totalrecurringreimbursement1.equals("$75600")) {  
        System.out.println("Total recurring reimbursement is correct.");  
         }  
         else  
         {  
        System.out.println("Total recurring reimbursement is not correct.");  
         }  
           
         textfield.clear();  
         textfield.sendKeys("820");

        **//** **Verify that the header displaying**  
         js.executeScript("window.scroll(0,400) ");  
           
         driver.close();  
           
           
       
  
 }  
}

**Detailed Step-by-Step Explanation:**

1. **Set Up WebDriver**:
   * Configure the path to the Firefox WebDriver (geckodriver) and initialize a new Firefox browser instance.
   * Maximize the browser window to ensure all elements are visible during the automation process.
2. **Open the Website**:
   * Navigate to the Fitpeo homepage using the URL https://fitpeo.com/.
3. **Access the Revenue Calculator**:
   * Locate the "Revenue Calculator" link on the page and click it to navigate to the respective section.
   * Pause briefly to allow the page to load completely.
4. **Scroll to the Slider**:
   * Scroll down the page using JavaScript to bring the slider element into the visible area.
5. **Move the Slider**:
   * Locate the slider element on the page.
   * Simulate dragging the slider to a new position using a click-and-drag action.
6. **Update the Text Field**:
   * Locate the text field associated with the slider and clear any existing value.
   * Input a new value ("560") into the text field.
7. **Verify the Slider Value**:
   * Retrieve the current value of the text field and check if it matches the expected value ("560").
   * Print a confirmation message indicating whether the value is updated correctly.
8. **Toggle Switches**:
   * Locate and toggle the first three switches on the page by simulating clicks.
   * Scroll further down the page to toggle an additional switch located lower on the screen.
9. **Verify Total Recurring Reimbursement**:
   * Wait until the "Total Recurring Reimbursement" value becomes visible on the page.
   * Retrieve the displayed value and verify it matches the expected value ("$75600").
   * Print a message indicating whether the value is correct.
10. **Update the Slider Again**:
    * Clear the text field and input a new value ("820").
    * Scroll back to the slider's position if needed.
11. **Close the Browser**:
    * Close the browser to end the automation session and release system resources.