package fitpeoProject.fitpeoProject;

import java.time.Duration;

import org.openqa.selenium.JavascriptExecutor;

import org.openqa.selenium.Keys;

import org.openqa.selenium.NoSuchWindowException;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

import org.openqa.selenium.support.ui.ExpectedConditions;

import org.openqa.selenium.support.ui.WebDriverWait;

public class Fitpeo {

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

WebDriver driver = new ChromeDriver();

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

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

WebDriverWait wait = new WebDriverWait(driver,Duration.ofSeconds(10));

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

WebElement slider = wait.until(ExpectedConditions.visibilityOfElementLocated(

By.xpath("//span[contains(@class, 'MuiSlider-thumb')]")

));

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Scroll Down to the Slider section: \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

// Scroll to the slider

JavascriptExecutor js = (JavascriptExecutor) driver;

// js.executeScript("arguments[0].scrollIntoView(true);", slider);

js.executeScript(

"const element = arguments[0];" +

"const rect = element.getBoundingClientRect();" +

"if (rect.bottom > window.innerHeight || rect.top < 0) {" +

" window.scrollBy(0, rect.top - (window.innerHeight / 2));" +

"}",

slider

);

// Verify slider interaction

System.out.println("Slider found and scrolled into view!");

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Adjust the slider to set its value to 820 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

WebElement sliderThumb = driver.findElement(By.xpath("//input[@type='range']"));

//

try {

int targetValue = 820; // Desired target value

// Get the current value of the slider

String defaultValue = sliderThumb.getAttribute("aria-valuenow");

int currentValue = Integer.parseInt(defaultValue);

System.out.println("Initial Value: " + currentValue);

// Calculate the range and approximate steps needed

int stepSize = 50; // Number of units to move per large step

int stepsRequired = (targetValue - currentValue) / stepSize;

int remainder = (targetValue - currentValue) % stepSize;

// Perform larger movements

for (int i = 0; i < Math.abs(stepsRequired); i++) {

if (stepsRequired > 0) {

sliderThumb.sendKeys(Keys.ARROW\_RIGHT);

} else {

sliderThumb.sendKeys(Keys.ARROW\_LEFT);

}

Thread.sleep(50); // Small delay to allow slider value to update

}

// Fine-tune movement

while (currentValue != targetValue) {

if (targetValue > currentValue) {

sliderThumb.sendKeys(Keys.ARROW\_RIGHT);

} else {

sliderThumb.sendKeys(Keys.ARROW\_LEFT);

}

currentValue = Integer.parseInt(sliderThumb.getAttribute("aria-valuenow"));

}

System.out.println("Current Value After Move: " + currentValue);

// Verify the slider's final value

currentValue = Integer.parseInt(sliderThumb.getAttribute("aria-valuenow"));

if (currentValue == targetValue) {

System.out.println("Slider reached the target value: " + targetValue);

} else {

System.out.println("Failed to reach the target value. Final Value: " + currentValue);

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Validate Total Recurring Reimbursement: \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

// Get the total height of the page

Long pageHeight = (Long) js.executeScript("return document.body.scrollHeight;");

// Scroll down by 25% of the page height

js.executeScript("window.scrollBy(0, " + pageHeight / 4 + ");");

// Add a brief delay to let the slider adjust

Thread.sleep(1000);

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Select CPT Codes \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

WebElement CPT99091 = driver.findElement(By.xpath("(//input[@type='checkbox'])[1]"));

WebElement CPT99453 = driver.findElement(By.xpath("(//input[@type='checkbox'])[2]"));

WebElement CPT99454 = driver.findElement(By.xpath("(//input[@type='checkbox'])[3]"));

WebElement CPT99474 = driver.findElement(By.xpath("(//input[@type='checkbox'])[8]"));

CPT99091.click();

CPT99453.click();

CPT99454.click();

CPT99474.click();

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Validate Total Recurring Reimbursement \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

WebElement patientCount = driver.findElement(By.xpath("//p[@class='MuiTypography-root MuiTypography-body1 inter css-1bl0tdj'][normalize-space()='820']"));

int numberOfPatients = Integer.parseInt(patientCount.getText()); // Get number of patients

System.out.println("numberOfPatients: "+numberOfPatients);

// Use XPath to get the element's text

WebElement reimbursementText = driver.findElement(By.xpath("(//p[@class='MuiTypography-root MuiTypography-body1 inter css-1bl0tdj'][normalize-space()='$110700'])[1]"));

double totalReimbursementDisplayed = Double.parseDouble(reimbursementText.getText().replace("$", ""));

// Print the extracted text

System.out.println("Total Recurring Reimbursement: " + totalReimbursementDisplayed);

// Assuming $135 is the reimbursement per patient

double expectedReimbursement = numberOfPatients \* 135;

if (Math.abs(expectedReimbursement - totalReimbursementDisplayed) < 0.01) {

System.out.println("Total Recurring Reimbursement is correct: " + totalReimbursementDisplayed);

} else {

System.out.println("Validation failed! Expected: " + expectedReimbursement + ", Actual: " + totalReimbursementDisplayed);

}

} catch (Exception e) {

System.out.println("Error during slider interaction: " + e.getMessage());

}

/\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*/

// Wait for the input text box to load

WebElement textBox = wait.until(ExpectedConditions.visibilityOfElementLocated(By.xpath("//input[@type='number']")));

// Get the current value's length in the textbox

String currentValue = textBox.getAttribute("value");

// Delete the current value by sending BACK\_SPACE keys

for (int i = 0; i < currentValue.length(); i++) {

textBox.sendKeys(Keys.BACK\_SPACE);

}

// Enter the new value

String targetValue = "560";

textBox.sendKeys(targetValue);

System.out.println("Update the Text Field: "+targetValue);

String script = """

let inputBox = arguments[0];

inputBox.value = arguments[1];

inputBox.dispatchEvent(new Event('input', { bubbles: true }));

inputBox.dispatchEvent(new Event('change', { bubbles: true }));

""";

js.executeScript(script, textBox, targetValue);

}

}