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package DAY8;

import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import org.openqa.selenium.interactions.Actions;

import java.util.ArrayList;

public class ActionItemDay8 {
    public static void main(String[] args) throws InterruptedException {

        //set the path
        System.setProperty("webdriver.chrome.driver", "/Users/kalra/Desktop/SIMRANJEET
QA/src/SumonQA/resource/chromedriver");
        //set the pre-condition
        ChromeOptions options = new ChromeOptions();
        options.addArguments("incognito"); //turing the browser on private mode

        //declare webdriver and define options
        WebDriver driver = new ChromeDriver(options);

        driver.manage().window().maximize(); // maximizing the screen

        //set array list for zipCodes
        ArrayList<String> zipCode = new ArrayList<>();
        zipCode.add("10007");
        zipCode.add("10025");
        zipCode.add("10016");

        //set array list for referralCodes
        ArrayList<String> referralCode = new ArrayList<>();
        referralCode.add("Promo1");
        referralCode.add("Promo2");
        referralCode.add("Promo3");

        //set array list for dentalPrograms
        ArrayList<String> dentalProgram = new ArrayList<>();
        dentalProgram.add("PPO-LOW");
        dentalProgram.add("PPO-MEDIUM");
        dentalProgram.add("PPO-HIGH");

        //Command to navigate the Website
    }
}

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driver.navigate().to("http://www.metlife.com/");
Thread.sleep(3000);//wait 3 seconds

//introducing for loop zipCodes
for (int i = 0; i < zipCode.size(); i++) {

    //Verify the title "Insurance & Employee Benefit | Metlife"
    String Title = driver.getTitle();
    if (Title.equals("Insurance & Employee Benefit | Metlife")) {
        System.out.println("TITLE IS CORRECT & MATCHES");
    } else {
        System.out.println("INCORRECT TITLE & THE CORRECT TITLE IS: " +
Title);
    } //end of if else condition

    //declare and define actions
    Actions mouse = new Actions(driver);

    //mouse on solutions on menu bar
    try {
        WebElement Solutions = driver.findElement(By.xpath("//*[@class='icon icon-
chevron-down']"));
        // call your actions command
        mouse.moveToElement(Solutions).perform();
    } catch (Exception e) {
        System.out.println("Unable to locate SOLUTIONS" + e);
    } //end of SOLUTIONS exception
    Thread.sleep(1000);

    //click on Metlife TakeAlong Dental
    try {
        WebElement MetlifeTakeAlongDental =
driver.findElement(By.xpath("//*[@text()='MetLife TakeAlong Dental']"));
        // call your actions command to move the element and then click
        mouse.moveToElement(MetlifeTakeAlongDental).click().perform();
        //Verify the title "MetLife TakeAlong Dental | MetLife"
        String Title2 = driver.getTitle();
        if (Title2.equals("MetLife TakeAlong Dental | MetLife")) {
            System.out.println("TITLE IS CORRECT & MATCHES: " + Title2);
        } else {
            System.out.println("INCORRECT TITLE & THE CORRECT TITLE IS: " +
Title2);
        } //end of if else condition
    } catch (Exception e) {

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        System.out.println("Unable to locate & click Metlife TakeAlong Dental" + e);
    } //end of Metlife TakeAlong Dental

    Thread.sleep(2000);

    try {
        //click on the enroll now button

driver.findElement(By.xpath("//a[@id='takealongdental_product_card_tile_1738502282_content-productActionButtonLink']")).click();
        //switch to a new tab
    } catch (Exception e) {
        System.out.println("Unable to locate Enroll now button " + e);
    } //end of enroll now button

    //After click on enroll now Switch to the new tab
    ArrayList<String> tabs = new ArrayList<>(driver.getWindowHandles());
    driver.switchTo().window(tabs.get(1));

    //declare and define java script(scroller)
    JavascriptExecutor jse = (JavascriptExecutor) driver;

    Thread.sleep(3500); //wait time

    //find zipcode entry bar, clear it and then send zipCode from the array
    try {
        WebElement search = driver.findElement(By.xpath("//*[@name='txtZipCode']"));
        search.clear();
        search.sendKeys(zipCode.get(i));
    } catch (Exception e) {
        System.out.println("Unable to find zipcode input bar and send keys " + e);
    } //end of zipCode entry bar
    Thread.sleep(2000);

    //command to click on search after entering zipCode
    try {
        driver.findElement(By.xpath("//*[@id='txtZipCodetxt']")).click();
    } catch (Exception e) {
        System.out.println("Unable to locate and tap on search button " + e);
    } //end of seach after entering Zipcode

    Thread.sleep(6000); //wait before scrolling

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//scroll to the coverage type element table
try {
    WebElement coverageType = driver.findElement(By.xpath("//*[text()='Coverage
Type - PPO']"));
    jse.executeScript("arguments[0].scrollIntoView(true);", coverageType);
} catch (Exception e) {
    System.out.print("unable to scroll down to required element " + e);
} //end of scroll
Thread.sleep(2000);

//click in checkbox as per requirement
try {
    driver.findElement(By.xpath("//*[@class='" + dentalProgram.get(i) + "'")).click();
} catch (Exception e) {
    System.out.println("Unable to locate the checkbox and send keys " + e);
} //end of catch box
Thread.sleep(2000);

//scroll to the bottom of the screen to enroll now in program now
try {
    WebElement bottomEnrollNow =
driver.findElement(By.xpath("//*[@id='bottomenrolltab']"));
    jse.executeScript("arguments[0].scrollIntoView(true);", bottomEnrollNow);
} catch (Exception e) {
    System.out.println("Unable to scroll down to enroll in program now " + e);
} //end of scroll
Thread.sleep(2000);

//click on the enroll now in program button
try {
    driver.findElement(By.xpath("//*[@id='bottomenrolltab']")).click();
} catch (Exception e) {
    System.out.println("Unable to locate enroll in program button and send keys " +
e);
} //end of click for enroll now
Thread.sleep(2000);

//locate and send referralCode arraylist
try {
    driver.findElement(By.xpath("//*[@id='txtBxPromocode']")).sendKeys(referralCode.get(i));
} catch (Exception e) {

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        System.out.println("Unable to locate and send referral code array list " + e);
    } //end of promocode
    Thread.sleep(2000);

    //locate and click on GO button
    try {
        driver.findElement(By.xpath("//*[@name='btnEnroll']")).click();
    } catch (Exception e) {
        System.out.println("Unable to locate and click on GO button" + e);
    } //end of locate button
    Thread.sleep(2000);

    //store the message displayed and send it to console
    try {
        WebElement displaymessage =
driver.findElement(By.xpath("//*[@id='lblRefCodeError']"));
        System.out.println("Afer PromoCode Entry message Displayed is: " +
displaymessage.getText());
    } catch (Exception e) {
        System.out.println("Unable to store display message and display on the console " +
e);
    } //end of STORE AND DISPLAY RESULT in console

    Thread.sleep(2000);
    //click on Enroll without a referralCode
    try {
        driver.findElement(By.xpath("//*[@class='btn btn-primaryborder']")).click();
    } catch (Exception e) {
        System.out.println("Unable to click on enroll without referralCode " + e);
    } //end of enroll without referral code
    Thread.sleep(5000);

    //capture the statement and match the stored variable with the dental.Program arraylist
    //print the result if matches
    try {
        String PPOtype = driver.findElement(By.xpath("//*[@class='col-sm-8']")).getText();
        if (PPOtype.contains(dentalProgram.get(i))) {
            System.out.println("Search result contains matching PPOType: " +
dentalProgram.get(i));
        } else {
            System.out.println("Search result Does not contains matching PPOType");
        } //end of if-else condition
    }

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    } catch (Exception e) {  
        System.out.println("Unable to capture the PPO under Program Application " + e);  
    }//end of catch  
    Thread.sleep(2000);  
  
    System.out.println(" ");  
  
    //move to old tab back  
    driver.close();  
    driver.switchTo().window(tabs.get(0));  
} // loop end  
  
driver.quit();//close the browser  
  
} //main class end  
} //public class end
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