package week9;

import static org.junit.Assert.\*;

import java.util.List;

import java.util.concurrent.TimeUnit;

import org.junit.After;

import org.junit.AfterClass;

import org.junit.Assert;

import org.junit.Before;

import org.junit.BeforeClass;

import org.junit.Test;

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.interactions.Actions;

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

public class testNPUCreateNewAccount {

@BeforeClass

public static void setUpBeforeClass() throws Exception {

}

@AfterClass

public static void tearDownAfterClass() throws Exception {

}

//1. Initialization Firefox browser

WebDriver driver = new FirefoxDriver();

private StringBuffer verificationErrors = new StringBuffer();

@Before

public void setUp() throws Exception {

//2. Google search and click to open the search result

driver.get("http://www.google.com");

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

driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS); // wait maximum up to 30s until page loaded completely

Thread.sleep(3000); // wait 3s

//4. type NPU in the search text

driver.findElement(By.id("lst-ib")).clear(); // clear the field, good practice

driver.findElement(By.id("lst-ib")).sendKeys("NPU"); // type NPU in the search field

//5. Hit enter key

Actions actions = new Actions(driver);

actions.sendKeys(Keys.ENTER).build().perform();

//6. wait until the search result appears

driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS); // wait maximum up to 30s until page loaded completely

//7. find and click the search result link text Northwestern Polytechnic University to open NPU home page

driver.findElement(By.linkText("Northwestern Polytechnic University - Fremont")).click(); // Click Search Result Link Text to open NPU homepage

driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS); // wait maximum up to 30s until page loaded completely

//8. wait and verify NPU home page is loaded (check page title)

System.out.println(driver.getTitle()); // print out the current page title

try{

Assert.assertTrue(driver.getTitle().contains("Engineering and Business Degrees in California")); // check page title is "Engineering and Business Degrees in California"

} catch(Throwable t1)

{

t1.getMessage();

}

}

@After

public void tearDown() throws Exception {

driver.quit();

String verificationErrorString = verificationErrors.toString();

if (!"".equals(verificationErrorString)) {

fail(verificationErrorString);

driver.quit();

}

}

public void sleep(int seconds)

{

try {

Thread.sleep(seconds \* 1000);

} catch (InterruptedException e) {

}

}

@Test

public void test() throws Exception {

driver.get("http://www.npu.edu");

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

//driver.manage().timeouts().implicitlyWait(15,TimeUnit.SECONDS);

//4. If apply Online button not found, try to open drop down menu application then apply online to open for application,else click apply online button.

driver.findElement(By.xpath(".//\*[@id='main\_navigation']/ul/li[2]/a/span")).click();

boolean str1 = driver.findElement(By.xpath(".//\*[@id='main\_navigation']/ul/li[2]/a/span")).isSelected();

if(str1 = true)

{

driver.findElement(By.xpath(".//\*[@id='headline\_container']/div[1]/p/a")).click();

driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);

System.out.print("Apply Online is found");

}

else

{

driver.findElement(By.xpath(".//\*[@id='headline\_container']/div[1]/p/a")).click();

}

//5. Verify the checkbox "I Understand and I would like to register a new account"

driver.findElement(By.xpath(".//\*[@id='main']/fieldset/fieldset/fieldset[2]/p[5]/b")).click();

List<WebElement> ocheckbox1= driver.findElements(By.id("regcheck"));

boolean r = false;

r = ocheckbox1.get(0).isSelected();

if(r== true){

//already selected

}

else

{

ocheckbox1.get(0).click();

}

// click link text "Register Account" to open Create a New Account

driver.findElement(By.xpath("//\*[@id='main']/fieldset/fieldset/fieldset[2]/div/a")).click();

List<WebElement> oRadiobutton1 = driver.findElements(By.id("new"));

boolean r1 = false;

r1= oRadiobutton1.get(0).isSelected();

if(r1== true)

{

//already selected

}else

{

oRadiobutton1.get(1).click();

}

driver.findElement(By.xpath(".//\*[@id='main']/fieldset/form[2]/div[1]/label"));

driver.findElement(By.id("FirstName")).sendKeys("Prem Kumar");

Thread.sleep(2000);

driver.findElement(By.id("LastName")).sendKeys("Neerukonda");

Thread.sleep(2000);

Select select1= new Select(driver.findElement(By.id("Gender")));

select1.selectByVisibleText("Male");

driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);

driver.findElement(By.id("Email")).sendKeys("prembudda@gmail.com");

driver.findElement(By.id("Password")).sendKeys("prembudda11");

driver.findElement(By.id("ConfirmPassword")).sendKeys("");

driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);

String Expectval = "'Password' must be at least 6 characters long";

boolean b2=driver.getPageSource().contains(Expectval);

Assert.assertEquals(b2,true);

driver.findElement(By.id("Password")).sendKeys("prembudda11");

driver.findElement(By.id("ConfirmPassword")).sendKeys("");

this.sleep(2);

driver.findElement(By.xpath("/html/body/div/div[2]/fieldset/form[2]/input")).click();

String Expectval1 ="The password and confirmation password do not match";

boolean b1=driver.getPageSource().contains(Expectval1);

Assert.assertEquals(b1,true);

this.sleep(2);

driver.findElement(By.xpath(".//\*[@id='main']/fieldset/form[2]/input")).click();

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

driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);

driver.navigate().back();

driver.navigate().back();

this.sleep(2);

driver.navigate().back();

this.sleep(2);

}

}

