**Selenium Methods and Action**

1. **To automate Facebook signup process using selenium script**

**Steps to be performed:**

1. **Open the Chrome/firefox/safari browser**
2. **Navigate to the facebook url**
3. **Verify that the website has been redirected to the facebook homepage.**
4. **Click on the “Create New Account” button.**
5. **Enter the first name as “Test” and the last name as “user” in the respective field.**
6. **Enter a valid email address in the email field.**
7. **Enter a password in the password field.**
8. **Select a date of birth as “11”, month as “May”, year as “1985” using the drop-down menus.**
9. **Select the gender as “Male”/”Female” using the radio button.**
10. **Click on the “Sign-up” button**
11. **Verify that the user is successfully registered on Facebook and redirected to the Facebook homepage.**

**package** facebookcreateaccount;

**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.support.ui.Select;

**import** io.github.bonigarcia.wdm.WebDriverManager;

**public** **class** Createaccount {

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

// **TODO** Auto-generated method stub

WebDriverManager.*chromedriver*().setup();

WebDriver driver=**new** ChromeDriver();

driver.get("https://www.facebook.com/"); //navigate to the given url

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

driver.manage().deleteAllCookies();

Thread.*sleep*(5000);

WebElement createaccount=driver.findElement(By.*xpath*("/html/body/div[1]/div[1]/div[1]/div/div/div/div[2]/div/div[1]/form/div[5]/a"));

createaccount.click();

Thread.*sleep*(5000);

WebElement firstname=driver.findElement(By.*name*("firstname"));

firstname.click();

Thread.*sleep*(2000);

firstname.sendKeys("Test");

Thread.*sleep*(3000);

WebElement lastname=driver.findElement(By.*name*("lastname"));

lastname.click();

lastname.sendKeys("User");

Thread.*sleep*(3000);

WebElement email=driver.findElement(By.*name*("reg\_email\_\_"));

email.click();

email.sendKeys("krishnapriya020423@gmail.com");

Thread.*sleep*(3000);

WebElement reemail=driver.findElement(By.*name*("reg\_email\_confirmation\_\_"));

reemail.click();

reemail.sendKeys("krishnapriya020423@gmail.com");

Thread.*sleep*(3000);

WebElement password=driver.findElement(By.*id*("password\_step\_input"));

password.click();

password.sendKeys("Pass@123");

Thread.*sleep*(3000);

WebElement datedropdown=driver.findElement(By.*id*("day"));

Select dropdown=**new** Select(datedropdown);//select is a class, it is used for static dropdowns

dropdown.selectByIndex(10); //select by index method

System.***out***.println(dropdown.getFirstSelectedOption().getText());

Thread.*sleep*(4000);

WebElement monthdropdown=driver.findElement(By.*id*("month"));

Select dropdown1=**new** Select(monthdropdown);

dropdown1.selectByVisibleText("May");

System.***out***.println(dropdown1.getFirstSelectedOption().getText());

Thread.*sleep*(4000);

WebElement yeardropdown=driver.findElement(By.*id*("year"));

Select dropdown2=**new** Select(yeardropdown);

dropdown2.selectByValue("1985");

System.***out***.println(dropdown2.getFirstSelectedOption().getText());

Thread.*sleep*(4000);

WebElement radiobutton=driver.findElement(By.*xpath*("/html/body/div[3]/div[2]/div/div/div[2]/div/div/div[1]/form/div[1]/div[7]/span/span[1]/input"));

radiobutton.click();

Thread.*sleep*(2000);

WebElement signup=driver.findElement(By.*xpath*("/html/body/div[3]/div[2]/div/div/div[2]/div/div/div[1]/form/div[1]/div[11]/button"));

signup.click();

Thread.*sleep*(3000);

System.***out***.println("Error Message Displayed- To change the name");

driver.close();

}

Output:

11

May

1985

Error Message Displayed- To change the name

1. To automate Drag and Drop operation using selenium java.

Steps to be performed:

1. Open the Chrome/firefox/safari browser.
2. Navigate to the JQueryUI droppable website.
3. Find the source element with the text “Drag me to my target” and the target element with the text “drop here”
4. Perform the drag and drop operation from the source to the target element.
5. Verify that the drag and drop operation is successful by checking the color property of the target element CSS.
6. Verify that the text of the target element has changed to “Dropped!” after the drop.

**package** Facebook;

**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.Color;

**import** io.github.bonigarcia.wdm.WebDriverManager;

**public** **class** facebook {

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

// **TODO** Auto-generated method stub

WebDriverManager.*chromedriver*().setup();

WebDriver driver=**new** ChromeDriver();

driver.get("https://jqueryui.com/droppable/"); //navigate to the given url

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

driver.manage().deleteAllCookies();

Thread.*sleep*(5000);

WebElement iframeelement=driver.findElement(By.*className*("demo-frame"));

driver.switchTo().frame(iframeelement);

WebElement drag=driver.findElement(By.*id*("draggable"));//locate the element with id

WebElement drop=driver.findElement(By.*id*("droppable"));//locate the element with id

Actions action=**new** Actions(driver);//create an instance for action class

drag.click();

action.dragAndDrop(drag, drop).build().perform(); //performing drag and drop action

Thread.*sleep*(5000);

String color=drop.getCssValue("background-color"); //getting the css value of drop box after placing drag box

String hex=Color.*fromString*(color).asHex(); //converting the color to hex

System.***out***.println(hex);

//assertEquals(hex,#fffa90);

System.***out***.println("Drag and drop operation is successful");

String dropped=drop.getText();

System.***out***.println(dropped);

System.***out***.println("target element dropped, dropped message has been printed");

driver.close();

}

}

Output:

#fffa90

Drag and drop operation is successful

Dropped!

target element dropped, dropped message has been printed