**Browser Automation Testing with Selenium with Junit**

**Source code:**

Facebook:

**package lessonendProject;**

**import org.junit.jupiter.api.AfterEach;**

**import org.junit.jupiter.api.BeforeEach;**

**import org.junit.jupiter.api.Test;**

**import org.openqa.selenium.By;**

**import org.openqa.selenium.WebDriver;**

**import org.openqa.selenium.chrome.ChromeDriver;**

**public class LessonendProject {**

**WebDriver driver;**

**@BeforeEach**

**public void setup()**

**{**

**driver = new ChromeDriver();**

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

**driver.get("https://www.facebook.com/");**

**}**

**@Test**

**public void testfacbookAuthentication() throws InterruptedException**

**{**

**driver.findElement(By.*xpath*("//input[@id='email']")).sendKeys("admin@gmail.com");**

**driver.findElement(By.*xpath*("//input[@id='pass']")).sendKeys("admin@123");**

**driver.findElement(By.*xpath*("//button[@id='u\_0\_5\_oA']//font//font[contains(text(),'log in')]")).click();**

**Thread.*sleep*(2000);**

**}**

**@AfterEach**

**public void teardown()**

**{**

**driver.close();**

**}**

**}**

GoogleSearch:

**package lessonendProject;**

**import java.util.List;**

**import org.junit.jupiter.api.AfterEach;**

**import org.junit.jupiter.api.BeforeEach;**

**import org.junit.jupiter.api.Test;**

**import org.openqa.selenium.By;**

**import org.openqa.selenium.WebDriver;**

**import org.openqa.selenium.WebElement;**

**import org.openqa.selenium.chrome.ChromeDriver;**

**public class GoogleSearchTest {**

**WebDriver driver ;**

**@BeforeEach**

**public void setup()**

**{**

**driver = new ChromeDriver();**

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

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

**}**

**@Test**

**public void testgooglesearchEngline() throws InterruptedException**

**{**

**driver.findElement(By.*xpath*("//div[@class='DPXIy']/child::textarea[1]")).sendKeys("Simplilearn");**

**//Wait for few seconds for the dropdown to be visible**

**Thread.*sleep*(7000);**

**// Write an XPATH where selenium will fetch all the options in the drop down**

**// Create a list object that will store the fetched options from the dropdown**

**List<WebElement> li = driver.findElements(By.*xpath*("(//div[@role='presentation'])[2]/descendant::li"));**

**// print the size of the list**

**System.*out*.println(li.size());**

**// iterate over the list of webelement, print them and click on the element that your desire**

**for(WebElement text: li)**

**{**

**String elementText = text.getText();**

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

**if(elementText.contains("customer"))**

**{**

**text.click();**

**break;**

**}**

**}**

**}**

**@AfterEach**

**public void teardown()**

**{**

**driver.close();**

**}**

**}**