

BrowserAutomationTestingwithSeleniumwithJUnit

SourceCode:-

```
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 testfacebookAuthentication() 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(),'l
og in')])).click();
        Thread.sleep(2000);
    }
    @AfterEach
    public void teardown()
    {
        driver.close();
    }
}
```

SearchEngine:Google

```
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 testgooglesearchEngine() 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 web element, 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();
}
```

}

GitHub link:

https://github.com/chandana161/JUnit_project.git