

Browser Automation Testing with Selenium with JUnit

Source code:

```
package EndProject;
import org.junit.jupiter.api.AfterEach;
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;

    @Test
    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(),'log in')]")).click();
        Thread.sleep(2000);
    }
    @AfterEach
    public void teardown()
    {
        driver.close();
    }
}
```

Google search

```
package EndProject;
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 GoogleTest {

    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("Simplilear
n");

        Thread.sleep(7000);

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

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

        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();
}

}
```