

## Selenium Practice Assignment – "E-Commerce Website Automation"

### Objective

Automate a few test scenarios on a sample e-commerce site using Selenium WebDriver.

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### Application to Test

Use: <http://automationpractice.com/> (demo site)

If this site is down, you can also try: <https://www.saucedemo.com/>

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### Assignment Tasks

#### Task 1 – Login Test

- **Steps:**
    1. Open browser and navigate to the site.
    2. Click on **Sign in**.
    3. Enter valid email and password.
    4. Click **Sign in** button.
    5. Verify the **My Account** page is displayed.
  - **Expected Result:** User should successfully log in and see their account dashboard.
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#### Task 2 – Product Search and Add to Cart

- **Steps:**
    1. Search for a product using the search bar (e.g., "dress").
    2. Select the first product from search results.
    3. Add it to the cart.
    4. Verify that the success popup/cart message is displayed.
  - **Expected Result:** The product is added to the cart and confirmation message appears.
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#### Task 3 – Checkout Flow

- **Steps:**
  1. Open the shopping cart.
  2. Proceed to checkout.
  3. Fill in address details (if required).

4. Select payment method.
  5. Complete the purchase.
  6. Verify the order confirmation page.
- **Expected Result:** Order confirmation page should display with order details.
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#### Task 4 – Logout Test

- **Steps:**
    1. Click **Sign out**.
    2. Verify that the login page is displayed again.
  - **Expected Result:** User should be successfully logged out.
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#### Deliverables

- Source code file(s).
- Test execution screenshot.
- Brief test report with:
  - Test case IDs
  - Steps
  - Expected vs. Actual result
  - Pass/Fail status

#### Program:

```
import org.openqa.selenium.Alert;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterTest;
import org.testng.annotations.BeforeTest;
import org.testng.annotations.Test;

public class Saucedemo {                                //in eclipse class name is Login in day 19 package
    WebDriver driver;
```

@BeforeTest

```
public void beforeTest() throws InterruptedException {  
    driver =new ChromeDriver();  
    driver.get("https://www.saucedemo.com/");  
  
    driver.manage().window().maximize();  
    Thread.sleep(5000);  
  
}
```

//login

@Test

```
public void signin() throws InterruptedException  
{  
    driver.get("https://www.saucedemo.com/");  
    WebElement uname=driver.findElement(By.id("user-name"));  
    uname.click();  
    uname.sendKeys("standard_user");  
    Thread.sleep(2000);  
    WebElement pass=driver.findElement(By.id("password"));  
    pass.click();  
    pass.sendKeys("secret_sauce");  
    Thread.sleep(2000);  
  
    driver.findElement(By.id("login-button")).click();  
    Thread.sleep(5000);  
  
}
```

```

//cart

@Test
public void Cart() throws InterruptedException
{

    Thread.sleep(5000);

    driver.get("https://www.saucedemo.com/inventory.html");

    Thread.sleep(3000);

    driver.findElement(By.id("add-to-cart-sauce-labs-backpack")).click();

    Thread.sleep(2000);

    WebElement cartBadge =
driver.findElement(By.className("shopping_cart_badge"));

    String confirmationMessage = "Product added successfully. Items in cart: " +
cartBadge.getText();

    System.out.println(confirmationMessage);

    driver.get("https://www.saucedemo.com/cart.html");

}

```

```

//checkout flow

@Test
public void checkoutFlow() throws InterruptedException
{

    driver.get("https://www.saucedemo.com/cart.html");

    Thread.sleep(3000);

    driver.findElement(By.id("checkout")).click();

    Thread.sleep(3000);

    WebElement fname=driver.findElement(By.id("first-name"));

    fname.click();

    fname.sendKeys("Jayanth");

    Thread.sleep(3000);

    WebElement lname=driver.findElement(By.id("last-name"));

    lname.click();

```

```
lname.sendKeys("Srihari");
```

```
Thread.sleep(3000);
```

```
WebElement pin=driver.findElement(By.id("postal-code"));
```

```
pin.click();
```

```
pin.sendKeys("500101");
```

```
Thread.sleep(3000);
```

```
driver.findElement(By.id("continue")).click();
```

```
Thread.sleep(3000);
```

```
driver.findElement(By.id("finish")).click();
```

```
System.out.println("Order successfully placed");
```

```
}
```

```
//logout
```

```
@Test
```

```
public void logout() throws InterruptedException
```

```
{
```

```
    driver.get("https://www.saucedemo.com/");
```

```
    Thread.sleep(3000);
```

```
    driver.findElement(By.id("react-burger-menu-btn")).click();
```

```
    Thread.sleep(3000);
```

```
    driver.findElement(By.id("logout_sidebar_link")).click();
```

```
    Thread.sleep(3000);
```

```
}
```

```
@AfterTest
```

```
public void aftertest()
```

```
{
```

```
    driver.close();
```

}  
}