Selenium Practice Assignment – "E-Commerce Website Automation"

Objective

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

Application to Test

Use: **http://automationpractice.com/** (demo site)
If this site is down, you can also try: **https://www.saucedemo.com/**

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.

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.

package ecommerce_automation_project;

import org.testng.annotations.Test;
import org.testng.annotations.BeforeClass;

```java
import java.time.Duration;

import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.testng.annotations.AfterClass;

public class SauceDemo {
        WebDriver driver;
 @BeforeClass
 public void beforeClass() throws InterruptedException {
        driver=new ChromeDriver();
        driver.get("https://www.saucedemo.com/");
        driver.manage().window().maximize();
        driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));

        //test case 1
        WebElement username=driver.findElement(By.id("user-name"));
        username.click();
        username.sendKeys("standard_user");
        username.sendKeys(Keys.ENTER);

        WebElement pass=driver.findElement(By.id("password"));
        pass.click();
        pass.sendKeys("secret_sauce");
        pass.sendKeys(Keys.ENTER);

        driver.findElement(By.id("login-button")).click();
```

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



    @Test
    //test case 2

    public void addToCart() throws InterruptedException {
            driver.findElement(By.id("add-to-cart-sauce-labs-backpack")).click();


    }

    @Test
//  test case 3
    public void checkOut() throws InterruptedException {


driver.findElement(By.cssSelector("div>a[data-test=\"shopping-cart-link\"]")).click();
            driver.findElement(By.id("checkout")).click();

            WebElement fname=driver.findElement(By.id("first-name"));
            fname.click();
            fname.sendKeys("Shreyas");
            fname.sendKeys(Keys.ENTER);

            WebElement
lname=driver.findElement(By.cssSelector("div>input[placeholder=\"Last Name\"]"));
            lname.click();
            lname.sendKeys("Lele");
            lname.sendKeys(Keys.ENTER);
```

```java
            WebElement code=driver.findElement(By.id("postal-code"));
            code.click();
            code.sendKeys("1234");
            code.sendKeys(Keys.ENTER);

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

            Thread.sleep(3000);
    }

    //test case 4
    public void logout() throws InterruptedException {
            driver.findElement(By.id("react-burger-menu-btn")).click();
            driver.findElement(By.id("logout_sidebar_link")).click();

            Thread.sleep(3000);
    }

    @AfterClass
    public void afterClass() {
            driver.quit();
    }

}
```
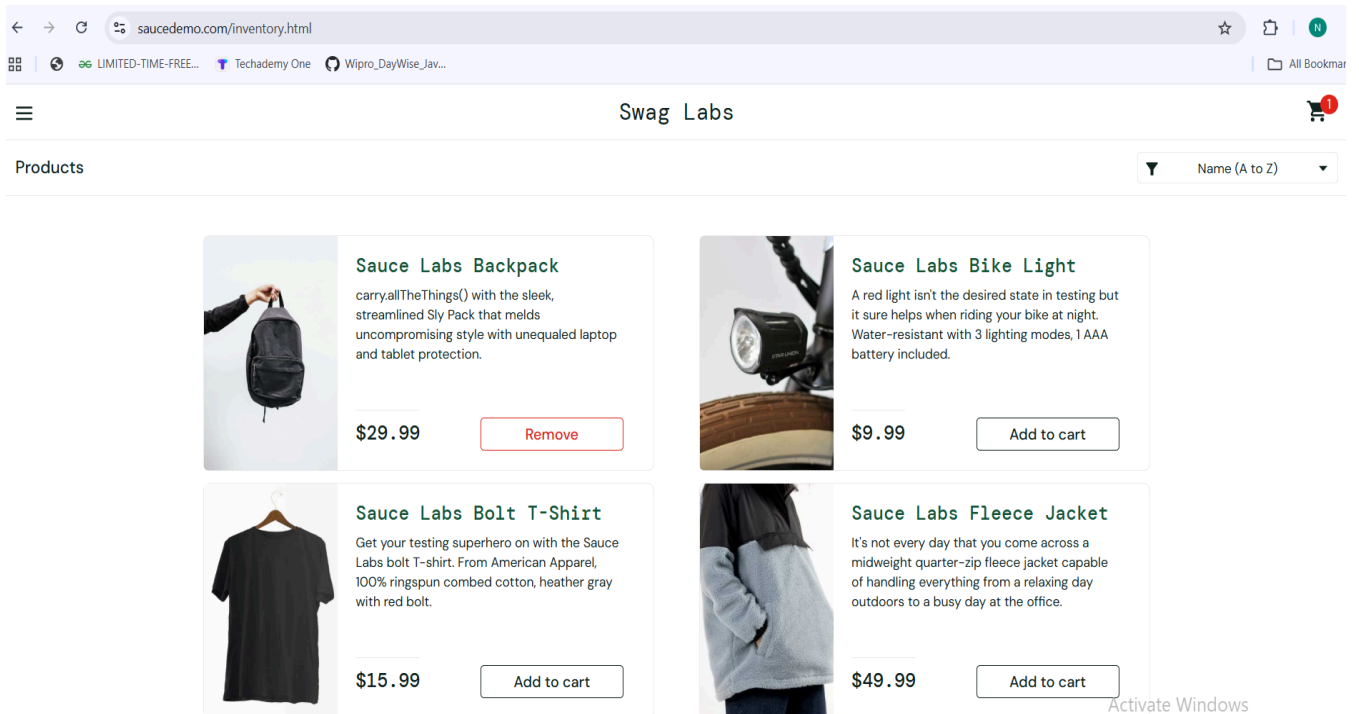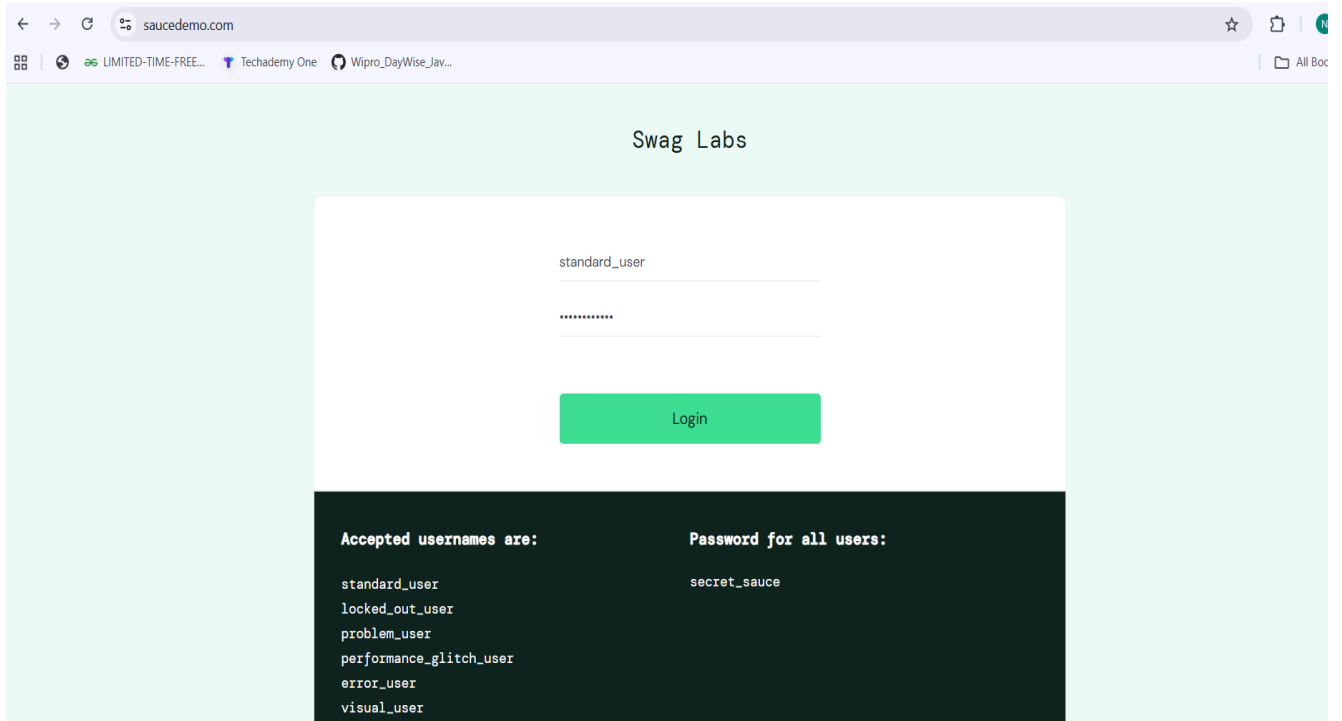
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standard_user

••••••••••••

Login

Accepted usernames are:

standard_user
locked_out_user
problem_user
performance_glitch_user
error_user
visual_user

Password for all users:

secret_sauce

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Products

▼ Name (A to Z) ▾

Sauce Labs Backpack

carry.allTheThings() with the sleek, streamlined Sly Pack that melds uncompromising style with unequaled laptop and tablet protection.

$29.99   Remove

Sauce Labs Bike Light

A red light isn't the desired state in testing but it sure helps when riding your bike at night. Water-resistant with 3 lighting modes, 1 AAA battery included.

$9.99   Add to cart

Sauce Labs Bolt T-Shirt

Get your testing superhero on with the Sauce Labs bolt T-shirt. From American Apparel, 100% ringspun combed cotton, heather gray with red bolt.

$15.99   Add to cart

Sauce Labs Fleece Jacket

It's not every day that you come across a midweight quarter-zip fleece jacket capable of handling everything from a relaxing day outdoors to a busy day at the office.

$49.99   Add to cart

Activate Windows
Go to Settings to activate Windows

Swag Labs

Your Cart

QTY   Description

| 1 | **Sauce Labs Backpack** |
| | carry.allTheThings() with the sleek, streamlined Sly Pack that melds uncompromising style with unequaled laptop and tablet protection. |

$29.99   Remove

← Continue Shopping   Checkout

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Checkout: Your Information

Shreyas

Lele

1234

← Cancel   Continue

Go to Settings to activate Windows.

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Checkout: Overview

QTY   Description

| 1 | **Sauce Labs Backpack** |

carry.allTheThings() with the sleek, streamlined Sly Pack that melds uncompromising style with unequaled laptop and tablet protection.

$29.99

Payment Information:
SauceCard #31337

Shipping Information:
Free Pony Express Delivery!

Price Total
Item total: $29.99
Tax: $2.40
Total: $32.39

Activate Windows

← Cancel   Finish

Swag Labs

Checkout: Complete!

✓

Thank you for your order!

Your order has been dispatched, and will arrive just as fast as the pony can get there!

Back Home

Activate Windows
Go to Settings to activate Windows.

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