**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.
  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.

**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.

**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.

**Deliverables**

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

Program:

package selenium.automation.assginment;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.FirefoxDriver;

public class EcommerceLogin {

public static void main(String[] args) throws InterruptedException {

WebDriver driver = new FirefoxDriver();

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

// login script Task 1

WebElement username = driver.findElement(By.*id*("user-name"));

username.click();

username.sendKeys("standard\_user");

WebElement password = driver.findElement(By.*id*("password"));

password.click();

password.sendKeys("secret\_sauce");

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

// product search and Add to cart- Task 2

WebElement product = driver.findElement(By.*id*("add-to-cart-sauce-labs-backpack"));

product.click();

WebElement cart = driver.findElement(By.*xpath*("/html/body/div/div/div/div[1]/div[1]/div[3]/a/span"));

cart.click();

// Task 3 – Checkout Flow

WebElement checkoutButton = driver.findElement(By.*id*("checkout"));

checkoutButton.click();

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

fname.click();

fname.sendKeys("ashwin");

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

lname.click();

lname.sendKeys("Jampana");

WebElement pincode = driver.findElement(By.*id*("postal-code"));

pincode.click();

pincode.sendKeys("521165");

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

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

driver.findElement(By.*id*("back-to-products")).click();

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

WebElement logout = driver

.findElement(By.*id*("logout\_sidebar\_link"));

logout.click();

}

}

