

DAY19 ASSIGNMENT

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.

Ans)

```
package TestNG_Selenium;
```

```
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.Assert;
```

```
import org.testng.annotations.BeforeTest;
```

```
import org.testng.annotations.Test;
```

```
public class assign_testcases {
```

```
    WebDriver driver;
```

```
    @BeforeTest//
```

```
    public void beforeTest() throws InterruptedException {
```

```
        driver=new ChromeDriver();
```

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

```
        driver.manage().window().maximize();
```

```
        Thread.sleep(5000);
```

```

    }

@Test(priority=1)
public void login() throws InterruptedException {

    driver.findElement(By.id("user-name")).sendKeys("problem_user");

    Thread.sleep(1000);

    driver.findElement(By.id("password")).sendKeys("secret_sauce");

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


    WebElement dashboard = driver.findElement(By.cssSelector("app_logo"));

    Assert.assertEquals(dashboard.getText(), "Products");

    System.out.println("successfully login");

}

@Test(priority = 2)
public void addtocart() throws InterruptedException {

    //add to cart

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

    WebElement cartitem = driver.findElement(By.id("shopping_cart_link"));

    Thread.sleep(2000);

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

    Assert.assertEquals(cartitem.getText(), "add-to-cart-sauce-labs-backpack");

    System.out.println("product is added to the cart");

}

@Test(priority = 3)
public void checkoutflow() throws InterruptedException {

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

```

```

Thread.sleep(2000);

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

driver.findElement(By.id("first-name")).sendKeys("Nikhitha");
driver.findElement(By.id("last-name")).sendKeys("Devireddy");
driver.findElement(By.id("postal-code")).sendKeys("509001");
Thread.sleep(2000);

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


//Order confirmation page

WebElement confirmMsg = driver.findElement(By.className("complete-header"));
Assert.assertEquals(confirmMsg.getText(), "Thank you for your order");

System.out.println("Checkout completed successfully");
}

@Test(priority = 4)
public void logout() throws InterruptedException {

    driver.findElement(By.id("https://www.saucedemo.com/inventory.html")).click();

    Thread.sleep(2000);

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

    Thread.sleep(2000);

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


//Verify that the login page is displayed again.

WebElement login = driver.findElement(By.id("login-button"));

Thread.sleep(2000);

Assert.assertTrue(login.isDisplayed(), "Logout failed");

System.out.println(" Logout successful");
}

```

}

Output:

