**SourceCode:**

The below contains all codes, because it is created using POM concept.

**package** com.simplilearn.SauceDemo;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.edge.EdgeDriver;

**import** org.testng.Assert;

**import** org.testng.annotations.AfterTest;

**import** org.testng.annotations.BeforeTest;

**import** org.testng.annotations.Test;

**import** pages.CartPage;

**import** pages.CheckoutPage;

**import** pages.LoginPage;

**import** pages.ProductsPage;

**public** **class** SwagsDemo {

**private** WebDriver driver;

**private** LoginPage loginPage;

**private** ProductsPage productsPage;

**private** CartPage cartPage;

**private** CheckoutPage checkoutPage;

@BeforeTest

**public** **void** setup() {

// Initialize ChromeDriver

driver = **new** EdgeDriver();

//Maximize it

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

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

loginPage = **new** LoginPage(driver);

productsPage = **new** ProductsPage(driver);

cartPage = **new** CartPage(driver);

checkoutPage = **new** CheckoutPage(driver);

}

@Test

**public** **void** buy() {

// Step 1: Enter standard user as user-name and secret sauce' as password.

loginPage.setUsername("standard\_user");

loginPage.setPassword("secret\_sauce");

loginPage.clickLogin();

// Step 2: Add the first product in the cart.

productsPage.addToCart();

// Step 3: Click on Cart icon at the top right corner.

productsPage.goToCart();

// Step 4: Click on 'Checkout' button.

cartPage.checkout();

// Step 5: Enter your details and click 'Continue' button.

checkoutPage.enterDetails("Raghunandan", "RK", "586101");

// Step 6: Click 'Finish' button.

checkoutPage.finishOrder();

// Step 7: Verify the text 'Thank you for your order!' is visible.

String actualText = checkoutPage.getConfirmationText();

Assert.*assertEquals*(actualText, "Thank you for your order!");

}

@AfterTest

**public** **void** tearDown() {

// Step 8: Close the browser.

driver.quit();

}

}

**Code for LoginPage:**

**package** pages;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.support.FindBy;

**import** org.openqa.selenium.support.PageFactory;

**public** **class** LoginPage {

**private** WebDriver driver;

@FindBy(id = "user-name")

**private** WebElement usernameField;

@FindBy(id = "password")

**private** WebElement passwordField;

@FindBy(id = "login-button")

**private** WebElement loginButton;

**public** LoginPage(WebDriver driver) {

**this**.driver = driver;

PageFactory.*initElements*(driver, **this**);

}

**public** **void** setUsername(String username) {

usernameField.sendKeys(username);

}

**public** **void** setPassword(String password) {

passwordField.sendKeys(password);

}

**public** **void** clickLogin() {

loginButton.click();

}

}

**Code for ProductsPage:**

package pages;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.support.FindBy;

import org.openqa.selenium.support.PageFactory;

public class ProductsPage {

private WebDriver driver;

@FindBy(css = ".inventory\_item:nth-child(1) .btn\_inventory")

private WebElement addToCartButton;

@FindBy(className = "shopping\_cart\_link")

private WebElement cartIcon;

public ProductsPage(WebDriver driver) {

this.driver = driver;

PageFactory.initElements(driver, this);

}

public void addToCart() {

addToCartButton.click();

}

public void goToCart() {

cartIcon.click();

}

}

**Code for CartPage:**

package pages;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.support.FindBy;

import org.openqa.selenium.support.PageFactory;

public class CartPage {

private WebDriver driver;

@FindBy(id = "checkout")

private WebElement checkoutButton;

public CartPage(WebDriver driver) {

this.driver = driver;

PageFactory.initElements(driver, this);

}

public void checkout() {

checkoutButton.click();

}

}

**Code for CheckoutPage:**

package pages;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.support.FindBy;

import org.openqa.selenium.support.PageFactory;

public class CheckoutPage {

private WebDriver driver;

@FindBy(id = "first-name")

private WebElement firstNameField;

@FindBy(id = "last-name")

private WebElement lastNameField;

@FindBy(id = "postal-code")

private WebElement postalCodeField;

@FindBy(id = "continue")

private WebElement continueButton;

@FindBy(id = "finish")

private WebElement finishButton;

@FindBy(xpath = "//h2[contains(@class,'complete-header')]")

private WebElement confirmationText;

public CheckoutPage(WebDriver driver) {

this.driver = driver;

PageFactory.initElements(driver, this);

}

public void enterDetails(String firstName, String lastName, String postalCode) {

firstNameField.sendKeys(firstName);

lastNameField.sendKeys(lastName);

postalCodeField.sendKeys(postalCode);

continueButton.click();

}

public void finishOrder() {

finishButton.click();

}

public String getConfirmationText() {

return confirmationText.getText();

}

}