package EcommerceAssignment;

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.\*;

import java.time.Duration;

public class EcommerceAutomation {

WebDriver driver;

@BeforeTest

public void setup() {

driver = new ChromeDriver();

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

driver.manage().timeouts().implicitlyWait(Duration.ofSeconds(10));

}

@Test(priority = 1)

public void loginTest() {

driver.get("http://automationpractice.com/index.php");

driver.findElement(By.className("login")).click();

driver.findElement(By.id("email")).sendKeys("testuser123@gmail.com");

driver.findElement(By.id("passwd")).sendKeys("Test@123");

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

WebElement accountPage = driver.findElement(By.className("page-heading"));

Assert.assertEquals(accountPage.getText(), "MY ACCOUNT", "Login Failed!");

System.out.println(" Login successful - My Account page displayed.");

}

@Test(priority = 2)

public void productSearchAndAddToCart() {

driver.findElement(By.id("search\_query\_top")).sendKeys("dress");

driver.findElement(By.name("submit\_search")).click();

driver.findElement(By.cssSelector(".product\_list .product-container .product-name")).click();

driver.findElement(By.id("add\_to\_cart")).click();

WebElement successPopup = driver.findElement(By.cssSelector(".layer\_cart\_product h2"));

Assert.assertTrue(successPopup.getText().contains("successfully added"), "Product not added!");

System.out.println("Product successfully added to cart.");

}

@Test(priority = 3)

public void checkoutFlow() throws InterruptedException {

// Proceed to checkout from popup

driver.findElement(By.cssSelector("a[title='Proceed to checkout']")).click();

driver.findElement(By.cssSelector(".cart\_navigation a[title='Proceed to checkout']")).click();

driver.findElement(By.name("processAddress")).click();

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

driver.findElement(By.name("processCarrier")).click();

driver.findElement(By.className("bankwire")).click();

driver.findElement(By.cssSelector("#cart\_navigation button")).click();

WebElement confirmMsg = driver.findElement(By.cssSelector(".cheque-indent strong"));

Assert.assertTrue(confirmMsg.getText().contains("Your order on My Store is complete"), " Order not confirmed!");

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

}

@Test(priority = 4)

public void logoutTest() {

driver.findElement(By.className("logout")).click();

Assert.assertTrue(driver.findElement(By.id("SubmitLogin")).isDisplayed(), " Logout failed!");

System.out.println(" Logout successful - back on login page.");

}

@AfterTest

public void tearDown() {

driver.quit();

}

}

| **Test Case ID** | **Test Scenario** | **Steps** | **Expected Result** | **Actual Result** | **Status** |
| --- | --- | --- | --- | --- | --- |
| TC01 | Login Test | Open site → Sign in → Enter credentials → Submit | My Account page should display | My Account displayed | Pass |
| TC02 | Product Search & Add to Cart | Search “dress” → Select product → Add to cart | Success popup appears | Popup shown | Pass |
| TC03 | Checkout Flow | Open cart → Proceed → Enter address → Payment → Confirm | Order confirmation page appears | Confirmation message displayed | Pass |
| TC04 | Logout Test | Click Sign out | Redirected to login page | Login page displayed | Pass |