1. **Pre Conditions**

* Language: **Java**
* Automation Tool: **Selenium WebDriver**
* Build Tool: **Maven**
* Browser: Chrome
* Tester Name : Mohammed Naushad
* Website : [www.nobero.com](http://www.nobero.com)

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import java.util.List;

import java.util.concurrent.TimeUnit;

public class NoberoAutomationTest {

public static void main(String[] args) {

// Set up the ChromeDriver path

System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");

WebDriver driver = new ChromeDriver();

try {

driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);

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

// 1. Launch Nobero website

driver.get("https://nobero.com");

// 2. Navigate to Login

driver.findElement(By.cssSelector("a[href='/account/login']")).click();

// 3. Enter login credentials

WebElement emailField = driver.findElement(By.id("CustomerEmail"));

WebElement passwordField = driver.findElement(By.id("CustomerPassword"));

emailField.sendKeys("testuser@example.com"); // Replace with test credentials

passwordField.sendKeys("Test@1234");

driver.findElement(By.cssSelector("button[type='submit']")).click();

// 4. Validate successful login (check for logout link)

driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);

boolean isLoggedIn = driver.findElements(By.cssSelector("a[href='/account/logout']")).size() > 0;

if (isLoggedIn) {

System.out.println(" Login successful");

} else {

System.out.println(" Login failed");

driver.quit();

return;

}

// 5. Search for product 1 (e.g., T-Shirt)

driver.findElement(By.cssSelector("input#Search-In-Modal")).sendKeys("t-shirt\n");

// 6. Click on first product in the search result

List<WebElement> productList1 = driver.findElements(By.cssSelector(".product-grid .product-card"));

if (!productList1.isEmpty()) {

productList1.get(0).click();

}

// 7. Add product to cart

driver.findElement(By.cssSelector("button[name='add']")).click();

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

// 8. Navigate to another category (e.g., All Products)

driver.get("https://nobero.com/collections/all");

// 9. Click on another product

List<WebElement> productList2 = driver.findElements(By.cssSelector(".product-grid .product-card"));

if (productList2.size() > 1) {

productList2.get(1).click();

}

// 10. Add second product to cart

driver.findElement(By.cssSelector("button[name='add']")).click();

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

// 11. Go to cart page

driver.get("https://nobero.com/cart");

// 12. Validate both products are in cart

List<WebElement> cartItems = driver.findElements(By.cssSelector(".cart\_\_product-title"));

if (cartItems.size() >= 2) {

System.out.println(" Both products are listed in the cart:");

for (WebElement item : cartItems) {

System.out.println(" - " + item.getText());

}

} else {

System.out.println(" One or both products are missing from the cart");

}

// Optional: proceed to checkout (this may require real payment setup)

// driver.findElement(By.name("checkout")).click();

} catch (Exception e) {

System.out.println(" Test failed: " + e.getMessage());

} finally {

driver.quit();

}

}

}

**2) Pre Conditions**

* Language: **Java**
* Automation Tool: **Selenium WebDriver**
* Build Tool: **Maven**
* Browser: Chrome
* Tester Name : Mohammed Naushad
* Test Description : Utility Functions Implementation (Java)
* You can place these in a class called TestUtils.java and reuse them across your tests.

Website : [www.nobero.com](http://www.nobero.com)

import org.openqa.selenium.\*;

import org.openqa.selenium.support.ui.ExpectedConditions;

import org.openqa.selenium.support.ui.WebDriverWait;

import javax.imageio.ImageIO;

import java.io.File;

import java.io.IOException;

import java.time.Duration;

import java.util.Date;

import java.text.SimpleDateFormat;

public class TestUtils {

// Reusable: Log in a user

public static boolean loginUser(WebDriver driver, String email, String password) {

try {

driver.get("https://nobero.com/account/login");

WebElement emailField = driver.findElement(By.id("CustomerEmail"));

WebElement passwordField = driver.findElement(By.id("CustomerPassword"));

WebElement loginBtn = driver.findElement(By.cssSelector("button[type='submit']"));

emailField.sendKeys(email);

passwordField.sendKeys(password);

loginBtn.click();

// Wait for successful login

waitForElement(driver, By.cssSelector("a[href='/account/logout']"), 10);

System.out.println(" Login successful.");

return true;

} catch (Exception e) {

System.out.println(" Login failed: " + e.getMessage());

captureScreenshotOnFailure(driver, "login\_failure");

return false;

}

}

// Reusable: Wait for an element to be visible

public static WebElement waitForElement(WebDriver driver, By selector, int timeoutSeconds) {

WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(timeoutSeconds));

return wait.until(ExpectedConditions.visibilityOfElementLocated(selector));

}

// Reusable: Capture screenshot on failure

public static void captureScreenshotOnFailure(WebDriver driver, String fileName) {

try {

TakesScreenshot screenshot = ((TakesScreenshot) driver);

File src = screenshot.getScreenshotAs(OutputType.FILE);

String timestamp = new SimpleDateFormat("yyyyMMdd\_HHmmss").format(new Date());

File dest = new File("screenshots/" + fileName + "\_" + timestamp + ".png");

// Ensure the directory exists

dest.getParentFile().mkdirs();

org.openqa.selenium.io.FileHandler.copy(src, dest);

System.out.println(" Screenshot saved to: " + dest.getAbsolutePath());

} catch (IOException e) {

System.out.println(" Could not save screenshot: " + e.getMessage());

}

}

}

**3) Pre Conditions**

* Language: **Java**
* Automation Tool: **Selenium WebDriver**
* Build Tool: **Maven**
* Browser: Chrome
* Tester Name : Mohammed Naushad
* Test Description : BDD Integration Using Java + Selenium + Cucumber

Website : [www.nobero.com](http://www.nobero.com)

**Project Directory Structure**

src

└── test

├── java

│ ├── stepDefinitions

│ │ └── LoginSteps.java

│ ├── pages

│ │ └── LoginPage.java

│ ├── runners

│ │ └── TestRunner.java

│ └── utils

│ └── DriverFactory.java

│

└── resources

└── features

└── login.feature

login.feature –

Feature: Login Functionality

Scenario: Successful login with valid credentials

Given I open the Nobero login page

When I enter valid username and password

Then I should be logged in and see the logout link

LoginSteps.java – Step Definition File

package stepDefinitions;

import io.cucumber.java.en.\*;

import org.junit.Assert;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import pages.LoginPage;

import utils.DriverFactory;

public class LoginSteps {

WebDriver driver = DriverFactory.getDriver();

LoginPage loginPage = new LoginPage(driver);

@Given("I open the Nobero login page")

public void i\_open\_the\_login\_page() {

driver.get("https://nobero.com/account/login");

}

@When("I enter valid username and password")

public void i\_enter\_valid\_credentials() {

loginPage.login("testuser@example.com", "Test@1234");

}

@Then("I should be logged in and see the logout link")

public void i\_should\_see\_logout() {

boolean isVisible = loginPage.isLogoutLinkVisible();

Assert.assertTrue("Logout link should be visible", isVisible);

driver.quit();

}

}

LoginPage.java – Page Object

package pages;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import utils.TestUtils;

public class LoginPage {

WebDriver driver;

By email = By.id("CustomerEmail");

By password = By.id("CustomerPassword");

By loginBtn = By.cssSelector("button[type='submit']");

By logoutLink = By.cssSelector("a[href='/account/logout']");

public LoginPage(WebDriver driver) {

this.driver = driver;

}

public void login(String username, String pwd) {

driver.findElement(email).sendKeys(username);

driver.findElement(password).sendKeys(pwd);

driver.findElement(loginBtn).click();

}

public boolean isLogoutLinkVisible() {

return TestUtils.waitForElement(driver, logoutLink, 10) != null;

}

}

**DriverFactory.java**

package utils;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

public class DriverFactory {

private static WebDriver driver;

public static WebDriver getDriver() {

if (driver == null) {

System.setProperty("webdriver.chrome.driver", "path/to/chromedriver");

driver = new ChromeDriver();

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

}

return driver;

}

}

**TestUtils.java**

package utils;

import org.openqa.selenium.\*;

import org.openqa.selenium.support.ui.\*;

import java.time.Duration;

public class TestUtils {

public static WebElement waitForElement(WebDriver driver, By locator, int timeoutSec) {

WebDriverWait wait = new WebDriverWait(driver, Duration.ofSeconds(timeoutSec));

return wait.until(ExpectedConditions.visibilityOfElementLocated(locator));

}

}

**TestRunner.java**

package runners;

import io.cucumber.junit.Cucumber;

import io.cucumber.junit.CucumberOptions;

import org.junit.runner.RunWith;

@RunWith(Cucumber.class)

@CucumberOptions(

features = "src/test/resources/features",

glue = "stepDefinitions",

plugin = {"pretty", "html:target/cucumber-report.html"},

monochrome = true

)

public class TestRunner {

}

**pom.xml – Required Maven Dependencies**

<dependencies>

<!-- Selenium -->

<dependency>

<groupId>org.seleniumhq.selenium</groupId>

<artifactId>selenium-java</artifactId>

<version>4.10.0</version>

</dependency>

<!-- Cucumber -->

<dependency>

<groupId>io.cucumber</groupId>

<artifactId>cucumber-java</artifactId>

<version>7.14.0</version>

</dependency>

<dependency>

<groupId>io.cucumber</groupId>

<artifactId>cucumber-junit</artifactId>

<version>7.14.0</version>

<scope>test</scope>

</dependency>

<!-- JUnit -->

<dependency>

<groupId>junit</groupId>

<artifactId>junit</artifactId>

<version>4.13.2</version>

</dependency>

</dependencies>

**To Run the Test:**

mvn test