**SourceCode**

**Create a cucumber framework for Amazon application using Selenium WebDriver implementing**

**AmazonTest.feature**

Feature: Test lesson End project on Amazon Page

Scenario Outline: Create account on Amazon

Given User navigates to create account page

Then User Enters '<name>','<mobilenumber>','<password>'

And User clicks on Verify mobile number

Examples:

| name | mobilenumber | password |

| user1 | 9879878987 | password1 |

Scenario: Add Mobile device to the Amazon Cart

Given User gets ttile of the main Page

Then User clicks on link Mobiles

And User navigates to Mobiles & accessories

And User click on Apple product

Then User select the first apple product

And User will switch to new window and get title

Then user click on Add to Cart

Then User refreshes the Page and click on Cart link

Then User clicks on proceed to pay button

**BaseTest.java**

package steps;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import io.cucumber.java.After;

import io.cucumber.java.AfterAll;

import io.cucumber.java.Before;

import io.cucumber.java.BeforeAll;

public class BaseTest {

// As the name suggest hooks are used to connect a method to a scenario

// Hooks can be used to determin pre-equiste for the test case execution

// hooks come with annotation =>

// @Before : Annotated method will run before a scenario in feature file

//, @After : Annotated method will run after a scenario in feature file

public static WebDriver driver;

@BeforeAll

public static void initialization()

{

System.out.println("Lesson End Project test Started");

}

@Before

public void openBrowser() throws InterruptedException

{

// needed for Jenkins

System.setProperty("webdriver.chrome.driver", "C:\\Program Files\\Google\\Chrome\\Application\\chrome.exe ");

driver = new ChromeDriver();

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

driver.manage().deleteAllCookies();

driver.get("https://www.amazon.in/");

Thread.sleep(3000);

}

@After

public void CloseBrowser()

{

driver.quit();

}

@AfterAll

public static void CompletedProject()

{

System.out.println("Lesson End Project test Completed");

}

}

**Amazonrunner.java**

package runner;

import org.junit.runner.RunWith;

import io.cucumber.junit.Cucumber;

import io.cucumber.junit.CucumberOptions;

@RunWith(Cucumber.class)

@CucumberOptions(

features="C:\\Users\\Samyak\\eclipse-workspace\\ATE-Phase2-Cucumber-ExtendReport\_Jenkins\\src\\test\\java\\features\\AmazonTest.feature",

glue = {"steps"}, //packagename where the steps are

plugin= {"pretty",

"html:target/cucumberreport.html",

/\*

\* "com.aventstack.extentreports.cucumber.adapter.ExtentCucumberAdapter:",

\* "timeline:test-output-thread/"

\*/

}

)

public class Amazonrunner {

}

**AmazonPageTest.java**

package steps;

import static steps.BaseTest.driver;

import java.util.ArrayList;

import org.openqa.selenium.By;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.interactions.Actions;

import io.cucumber.java.en.And;

import io.cucumber.java.en.Given;

import io.cucumber.java.en.Then;

public class AmazonPageTest {

@Given("User gets ttile of the main Page")

public void user\_gets\_ttile\_of\_the\_main\_page() {

System.out.println(driver.getTitle());

}

@Then("User clicks on link Mobiles")

public void user\_clicks\_on\_link\_mobiles() throws InterruptedException {

WebElement mobiles = driver.findElement(By.xpath("//a[normalize-space()='Mobiles']"));

mobiles.click();

Thread.sleep(1500);

}

@Then("User navigates to Mobiles & accessories")

public void user\_navigates\_to\_mobiles\_accessories() throws InterruptedException {

Actions a = new Actions(driver);

WebElement MA = driver.findElement(By.xpath("(//span[@class='nav-a-content'][normalize-space()='Mobiles & Accessories'])[1]"));

a.moveToElement(MA).build().perform();

Thread.sleep(1500);

}

@Then("User click on Apple product")

public void user\_click\_on\_apple\_product() throws InterruptedException {

WebElement product= driver.findElement(By.xpath("(//a[contains(text(),'Apple')])[2]"));

product.click();

Thread.sleep(2500);

}

@Then("User select the first apple product")

public void user\_select\_the\_first\_apple\_product() throws InterruptedException {

WebElement appleproduct = driver.findElement(By.xpath("(//div[@class='a-section a-spacing-base'])[1]/descendant::span[10]"));

appleproduct.click();

Thread.sleep(2500);

}

@Then("User will switch to new window and get title")

public void user\_will\_switch\_to\_new\_window\_and\_get\_title() throws InterruptedException {

ArrayList<String> tabs = new ArrayList<String>(driver.getWindowHandles());

driver.switchTo().window(tabs.get(1));

Thread.sleep(1500);

System.out.println(driver.getCurrentUrl());

System.out.println(driver.getTitle());

}

@Then("user click on Add to Cart")

public void user\_click\_on\_add\_to\_cart() throws InterruptedException {

WebElement cart = driver.findElement(By.xpath("//input[@id='add-to-cart-button']")) ;

cart.click();

Thread.sleep(1500);

}

@Then("User refreshes the Page and click on Cart link")

public void user\_refreshes\_the\_page\_and\_click\_on\_cart\_link() {

driver.navigate().refresh();

WebElement cartlink = driver.findElement(By.xpath("//\*[@id='nav-cart']/descendant::div[2]"));

cartlink.click();

}

@Then("User clicks on proceed to pay button")

public void user\_clicks\_on\_proceed\_to\_pay\_button() throws InterruptedException {

WebElement proceed = driver.findElement(By.xpath("//input[@name='proceedToRetailCheckout']"));

proceed.click();

Thread.sleep(1500);

}

@Given("User navigates to create account page")

public void naviagte\_createaccountPage()

{ driver.navigate().to("https://www.amazon.in/ap/register?showRememberMe=true&showRmrMe=0&openid.pape.max\_auth\_age=0&openid.identity=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier\_select&siteState=isRegularCheckout.1%7CIMBMsgs.%7CisRedirect.1&pageId=amazon\_checkout\_in&openid.return\_to=https%3A%2F%2Fwww.amazon.in%2Fgp%2Fbuy%2Fsignin%2Fhandlers%2Fcontinue.html%3Fie%3DUTF8%26brandId%3D%26cartItemIds%3D%26eGCApp%3D%26hasWorkingJavascript%3D0%26isEGCOrder%3D0%26isFresh%3D%26oldCustomerId%3D0%26oldPurchaseId%3D%26preInitiateCustomerId%3D%26purchaseInProgress%3D%26ref\_%3Dcart\_signin\_submit%26siteDesign%3D&prevRID=A7SSZK4G6K6J0QT8EA70&openid.assoc\_handle=amazon\_checkout\_in&openid.mode=checkid\_setup&openid.ns.pape=http%3A%2F%2Fspecs.openid.net%2Fextensions%2Fpape%2F1.0&prepopulatedLoginId=&failedSignInCount=0&openid.claimed\_id=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier\_select&openid.ns=http%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0&suppressSignInRadioButtons=0");

}

@Then("User Enters {string},{string},{string}")

public void user\_enter\_details(String name, String mobilenumber, String password) throws InterruptedException

{

WebElement e1 = driver.findElement(By.xpath("//input[@id='ap\_customer\_name']"));

WebElement e2 = driver.findElement(By.xpath("//input[@id='ap\_phone\_number']"));

WebElement e3 = driver.findElement(By.xpath("//input[@id='ap\_password']"));

e1.sendKeys(name);

e2.sendKeys(mobilenumber);

e3.sendKeys(password);

Thread.sleep(2000);

}

@And("User clicks on Verify mobile number")

public void click\_on\_varify()

{

driver.findElement(By.xpath("//input[@id='continue']")).click();

}

}