

Amazon Source Code:

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 title 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-equisite 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:\\Users\\sonal\\Downloads\\chromedriver\\chromedriver-win64\\chromedriver.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");
    }
}

```

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 title of the main Page")
    public void user_gets_title_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']"));
    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']//div[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%2Fidentifi
er_select&siteState=isRegularCheckout.1%7CIMBMsgs.%7CisRedirect.1&pageId=amazon_checkout_in&openi
d.return_to=https%3A%2F%2Fwww.amazon.in%2Fgp%2Fbuy%2Fsignin%2Fhandlers%2Fcontinue.html%3Fie%
3DUTF8%26brandId%3D%26cartItemIds%3D%26eGCAp%3D%26hasWorkingJavascript%3D0%26isEGCOrder%
3D0%26isFresh%3D%26oldCustomerId%3D0%26oldPurchaseId%3D%26preInitiateCustomerId%3D%26purchas
eInProgress%3D%26ref_%3Dcart_signin_submit%26siteDesign%3D&prevRID=A7SSZK4G6K6J0QT8EA70&openi
d.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=h
ttp%3A%2F%2Fspecs.openid.net%2Fauth%2F2.0%2Fidentifier_select&openid.ns=http%3A%2F%2Fspecs.openi
d.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();
    }
}

```

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\\Kunnu\\eclipse-workspace\\ATE-Phase2-BDD-
Cucumber\\src\\test\\java\\features\\AmazonTest.feature",
    glue = {"steps"}, //packagename where the steps are
    plugin= {"pretty",
        "html:target/cucumberreport.html"}
)
public class AmazonRunner {
}

```