

SKCET – CA 1 Project

Mandatory part that to be present in the Project Code

1. Open the relevant website and maximize the browser window.
2. Print its Page title.
3. Validate Page Title

Problem Statement 1

An e-commerce website that allows users to search and purchase products online. Design a test suite to test the checkout functionality using Selenium. Consider different test scenarios such as adding products to the cart, searching product, and selecting payment methods.

```
package com.selenium.trail.selenium1;
import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import io.github.bonigarcia.wdm.WebDriverManager;
public class demo {
    public static void main(String[] args) {
        WebDriverManager.chromedriver().setup();
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver driver=new ChromeDriver(co);
        //open link and maximize
        driver.get("https://www.amazon.in");
        driver.manage().window().maximize();

        String parent=driver.getWindowHandle();
        System.out.println(parent);
        System.out.println(driver.getTitle());
    }
}
```

Question 1 (1*25=25)

1. Verify that the user can add a product to the cart by clicking on the "Add to Cart" button on the product page.

CODE:

```
package com.selenium.trail.selenium1;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
```

```

import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import io.github.bonigarcia.wdm.WebDriverManager;
public class CA1_1_1
{
    public static void main( String[] args ) throws InterruptedException
    {
        WebDriverManager.chromedriver().setup();
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver driver=new ChromeDriver(co);
        driver.manage().window().maximize();
        driver.get("https://amzn.eu/d/clzvraw");
        driver.findElement(By.id("add-to-cart-button")).submit();
        String t=driver.getTitle();
        System.out.println(t);
    }
}

```

OUTPUT:

The screenshot shows the Amazon India shopping cart page. The browser address bar displays the URL: `amazon.in/cart/smart-wagon?newItems=C733c0ac0-3603-4ee9-80bd-49946297c7d6,1`. A message at the top states: "Chrome is being controlled by automated test software." The Amazon India header includes the logo, a "Hello, sign in" prompt, a search bar, and navigation links. The main content area shows a confirmation message: "Added to Cart" with a green checkmark. Below this, it specifies "Digital Storage Capacity: 16 GB" and "Configuration: Without Special Offers". To the right, a "Cart subtotal" section shows a "Proceed to checkout" button. Below the confirmation message, a section titled "Customers also bought these top rated Amazon Devices and Accessories" displays three Kindle Paperwhite covers: Fabric (pink), Leather (black), and Leather (red). Each cover has a star rating, a price, and an "Add to Cart" button.

Amazon.in Shopping Cart


amazon.in/cart/smart-wagon?newItems=C733c0ac0-3603-4ee9-80bd-49946297c7d6,1

Chrome is being controlled by automated test software.

amazon.in Hello, sign in Account & Lists

All Search Amazon.in

All Amazon miniTV Sell Best Sellers Mobiles Today's Deals Customer Service Electronics Prime New Releases Shopping made easy


 **Added to Cart**
 Digital Storage Capacity: 16 GB
 Configuration: Without Special Offers


Your order is eligible for FREE Delivery. Select this option at checkout. [Details](#)


Cart subtotal
 Proceed to checkout

For best experience, use the Amazon app

Customers also bought these top rated Amazon Devices and Accessories

 Kindle Paperwhite Fabric Cover (11th Generation-2021)
 ★★★★★ 99
 ₹1,799.00
 Add to Cart

 Kindle Paperwhite Leather Cover (11th Generation-2021)
 ★★★★★ 143
 ₹2,399.00
 Add to Cart

 Kindle Paperwhite Leather Cover (11th Generation-2021)
 ★★★★★ 143
 ₹2,399.00
 Add to Cart

2. Verify that the user can remove a product from the cart by clicking on the "Remove" button next to the product.

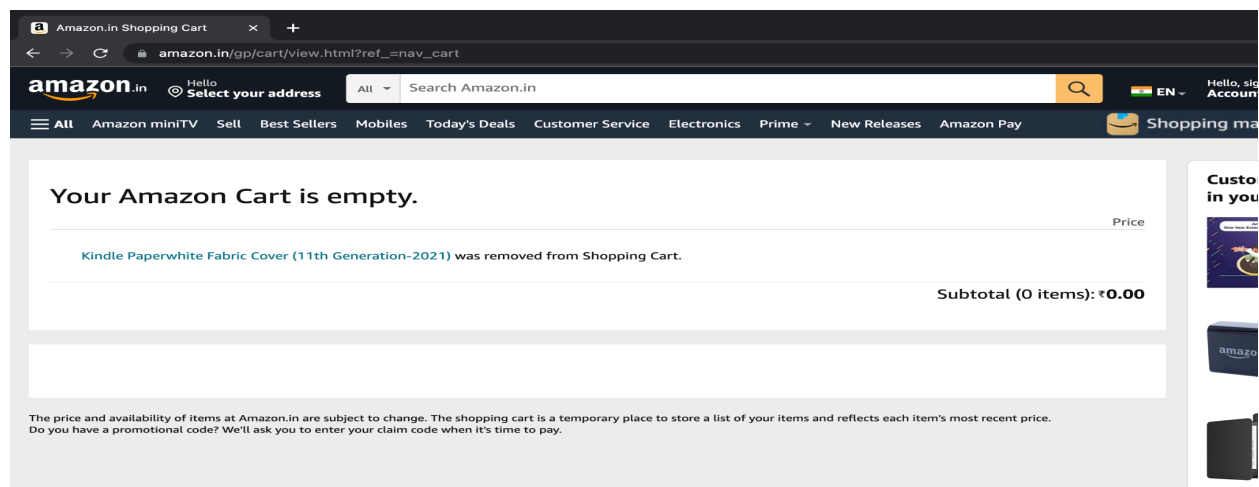
CODE:

```
package com.selenium.trail.selenium1;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;

import io.github.bonigarcia.wdm.WebDriverManager;

public class Test2 {
    public static void main( String[] args ) throws InterruptedException
    {
        WebDriverManager.chromedriver().setup();
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver driver=new ChromeDriver(co);
        driver.manage().window().maximize();
        driver.get("https://amzn.eu/d/46eo9kd");
        driver.findElement(By.id("add-to-cart-button")).submit();
        driver.get("https://www.amazon.in/gp/cart/view.html?ref_=nav_cart");
        driver.findElement(By.cssSelector("[value='Delete']")).click();
        String t=driver.getTitle();
        System.out.println(t);
    }
}
```

OUTPUT:



Question 2 (1*20=20)

1. Verify that the user can search any product on website and the corresponding search product details needs to be displayed

CODE:

```
package com.selenium.test1.selenium2;
import org.openqa.selenium.By;
import org.openqa.selenium.Keys;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;
import io.github.bonigarcia.wdm.WebDriverManager;
public class CA1Q2
{
    public static void main( String[] args ) throws InterruptedException
    {
        WebDriverManager.chromedriver().setup();
        ChromeOptions co=new ChromeOptions();
        co.addArguments("--remote-allow-origins=*");
        WebDriver driver=new ChromeDriver(co);
        driver.get("https://www.amazon.in/");
        driver.manage().window().maximize();
        String actualTitle=driver.getTitle();
        System.out.println("Page title is : " + driver.getTitle());
        String expectedTitle = "Online Shopping site in India: Shop Online for Mobiles, Books,
        Watches, Shoes and More - Amazon.in";
        if(actualTitle.equalsIgnoreCase(expectedTitle))
        System.out.println("Title Matched");
        else
        System.out.println("Title didn't match");
        WebElement txt1=driver.findElement(By.id("twotabsearchtextbox"));
        txt1.sendKeys("bags");
        driver.findElement(By.id("twotabsearchtextbox")).sendKeys(Keys.ENTER);
    }
}
```

OUTPUT:

Amazon.in : bags

amazon.in/s?k=bags&crid=32558UQJ9VORL&sprefix=bag%2Caps%2C286&ref=nb_sb_noss_1

amazon.in

Hello Select your address

All bags

EN

Hello, sign in Account

AllAmazon miniTVSellBest SellersMobilesToday's DealsCustomer ServiceElectronicsPrimeNew ReleasesAmazon PayShopping mall

1-16 of over 100,000 results for "bags"

Delivery Day

☐ Get It by Tomorrow

☐ Get It in 2 Days

Category

Laptop Backpacks

Casual Daypacks

Rucksacks & Trekking Backpacks

Messenger & Sling Bags

Women's Handbags

Laptop Messenger & Shoulder Bags

Travel Duffels

Gym Bags

Customer Review

★★★★★ & Up

★★★★☆ & Up

★★★☆☆ & Up

★★☆☆☆ & Up

Brand

☐ American Tourister

☐ ADISA

☐ FUR JADEN

☐ Skybags

☐ Safari


☐ Gear

☐ Half Moon

See more

Price

Under ₹1,000




BobjGear

BobjGear Rugged Tablet Cases

Shop BobjGear >

Price and other details may vary based on product size and colour.




Sponsored

MOKOBARA The Transit Backpack Laptop Bag for Men and Women

4.5 ★★★★★ (495)

₹4,999 ₹9,999 (44% off)



Sponsored

MOKOBARA Backpack 15.5" Inch Laptop Backpack For Women (16 litres)

4.3 ★★★★★ (157)

Deal of the Day