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.

```java
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;

```java
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/cIzvraw");
        driver.findElement(By.id("add-to-cart-button")).submit();
        String t=driver.getTitle();
        System.out.println(t);
    }
}
```

OUTPUT:

2. Verify that the user can remove a product from the cart by clicking on the "Remove" button next to the product.
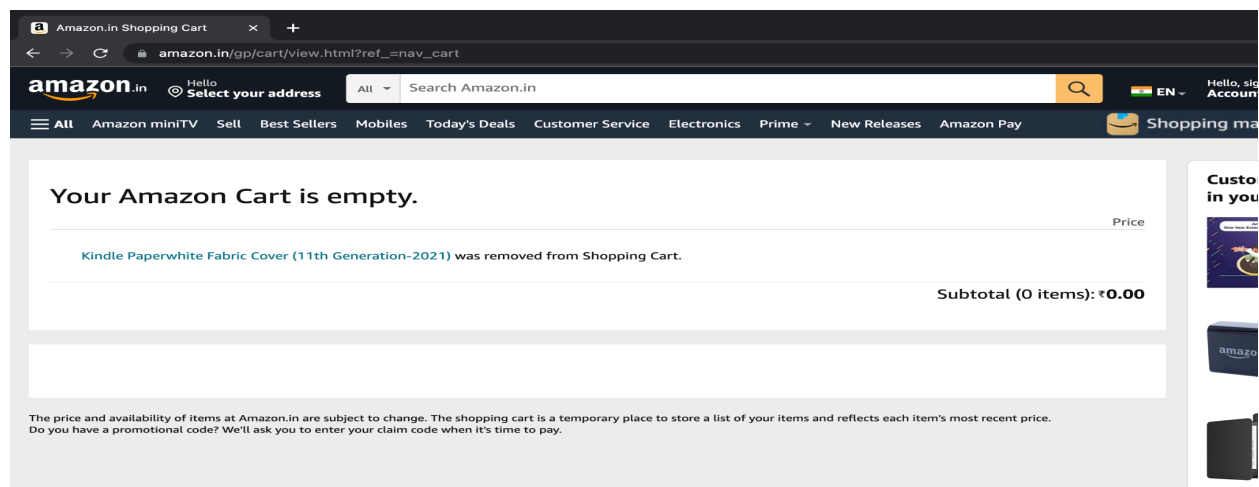
CODE:
```
package com.selenium.trail.selenium1;
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.chrome.ChromeOptions;

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:

```java
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: