

Question 1 :

Adding a product to cart and checkout : ☐

Verify that user is able to add a product to the cart Add to cart ☐

Verify that user can view the contents in the cart ☐

Verify that once user clicks on checkout button "Your information" form should be displayed

Verify that once user fills the form and clicks on continue button entire product overview should be displayed ☐

Print the name of the product and the price of the product ☐ Assert the title of the page is 'Swag Labs' ☐

Assert the URL of the page is

'https://www.saucedemo.com/checkout-step-two.html'

```
package com.selenium.test2.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 cc1_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.get("https://www.saucedemo.com/inventory.html");
        driver.manage().window().maximize();

        WebElement usernameField =
        driver.findElement(By.id("user-name"));
```

```

        WebElement passwordField =
driver.findElement(By.id("password"));
        WebElement loginButton =
driver.findElement(By.id("login-button"));
        usernameField.sendKeys("standard_user");
        passwordField.sendKeys("secret_sauce");
        Thread.sleep(1000);
        loginButton.click();

        WebElement addToCartButton =
driver.findElement(By.id("add-to-cart-sauce-labs-backpack"));
        addToCartButton.click();
        Thread.sleep(1000);

        WebElement cartBadge =
driver.findElement(By.id("remove-sauce-labs-backpack"));
        String t=cartBadge.getText();
        if(t.equals("Remove")) {
            System.out.println("Item is Added to Cart");
        }

        // View the contents of the cart
        WebElement cartLink =
driver.findElement(By.className("shopping_cart_badge"));
        cartLink.click();
        WebElement cart =
driver.findElement(By.className("title"));
        String a=cart.getText();
        if(a.equals("Your Cart")) {
            System.out.println("Your Cart is Viewed");
        }
        Thread.sleep(1000);

        WebElement checkoutButton =
driver.findElement(By.id("checkout"));
        checkoutButton.click();
        WebElement check=
driver.findElement(By.className("title"));
        String b=check.getText();
        if(b.equals("Checkout: Your Information")) {

```

```

        System.out.println("Your Information Form is
Displayed");
    }
    Thread.sleep(1000);

    WebElement firstNameField =
driver.findElement(By.id("first-name"));
    WebElement lastNameField =
driver.findElement(By.id("last-name"));
    WebElement postalCodeField =
driver.findElement(By.id("postal-code"));
    WebElement continueButton =
driver.findElement(By.cssSelector(".btn_primary.cart_button"));
    firstNameField.sendKeys("guru");
    lastNameField.sendKeys("vishnu");
    postalCodeField.sendKeys("125");
    Thread.sleep(1000);
    continueButton.click();

    WebElement over=
driver.findElement(By.className("title"));
    String c=over.getText();
    if(c.equals("Checkout: Overview")) {
        System.out.println("Product Overview is
Displayed");
    }
    Thread.sleep(1000);

    WebElement productName =
driver.findElement(By.xpath("//*[@id=\"item_4_title_link\"]/div"));
    WebElement productPrice =
driver.findElement(By.xpath("//*[@id=\"checkout_summary_contain
er\"]/div/div[2]/div[8]"));
    String name=productName.getText();
    String price=productPrice.getText();
    System.out.println("Product Name: "+name);
    System.out.println("Product Price : "+price);

    String tit=driver.getTitle();
    if(tit.equals("Swag Labs")){
        System.out.println("Title of the page is Correct");
    }

```

```

        String u=driver.getCurrentUrl();

        if(u.equals("https://www.saucedemo.com/checkout-step-
two.html")){
            System.out.println("URL of the page is Correct");
        }
    }
}

```

The screenshot shows an IDE with a Java file named `cc1_1` and its console output. The code imports Selenium WebDriver classes and uses `WebDriverManager` to set up a Chrome driver. It navigates to `https://www.saucedemo.com/inventory.html` and prints the URL. The console output shows the driver starting successfully and the URL being printed.

```

1 package com.selenium.test2.selenium1;
2
3
4 import org.openqa.selenium.By;
5 import org.openqa.selenium.WebDriver;
6 import org.openqa.selenium.WebElement;
7 import org.openqa.selenium.chrome.ChromeDriver;
8 import org.openqa.selenium.chrome.ChromeOptions;
9
10 import io.github.bonigarcia.wdm.WebDriverManager;
11
12 public class cc1_1{
13     public static void main(String[] args) throws InterruptedException {
14         WebDriverManager.chromedriver().setup();
15         ChromeOptions co=new ChromeOptions();
16         co.addArguments("--remote-allow-origins=*");
17         WebDriver driver=new ChromeDriver(co);
18         driver.get("https://www.saucedemo.com/inventory.html");
19         driver.manage().window().maximize();
20     }
21 }

```

```

<terminated> cc1_1 [Java Application] C:\Users\91737\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.4.v20221004-1257\jre\bin\javaw.exe (13-Apr-2023, 12:20:05 pm - 12:20:23 pm) [pid: 2]
SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
Starting ChromeDriver 111.0.5563.64 (c710e93d5b63b70955afe8c2c17df34408078439d-refs/branch-heads/55638{#995}) on port 16262
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Item is Added to Cart
Your Cart is Viewed
Your Information Form is Displayed
Product Overview is Displayed
Product Name: Sauce Labs Backpack
Product Price : Total: $32.39
Title of the page is Correct
URL of the page is Correct

```

QUESTION 2 :

Filter option : ☐

Verify that user is able to apply filter name wise from A-Z and Z-A

☐ Print the first product name while filtering from A-Z and print 1st product name while filtering from Z-A ☐

Verify the user is able to apply filter from low price to high price and high price to low price ☐

Print the 1 st product price while filtering from high to low and print 1st product price while filtering from low to high

```
package com.selenium.test2.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 org.openqa.selenium.support.ui.Select;

import io.github.bonigarcia.wdm.WebDriverManager;

public class cc1 {
    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.saucedemo.com/");
        driver.manage().window().maximize();
        WebElement sel=driver.findElement(By.id("user-name"));
        sel.sendKeys("standard_user");
        WebElement sel2=driver.findElement(By.id("password"));
        sel2.sendKeys("secret_sauce");
        WebElement sel3=driver.findElement(By.id("login-button"));
        Thread.sleep(4000);
        sel3.click();
        WebElement sort1=driver.findElement(By.className("product_sort_container"));
        sort1.click();
        Select select= new Select(sort1);
        select.selectByVisibleText("Name (A to Z)");
        Thread.sleep(4000);
        WebElement
iden=driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/option[1]"
));
        if(iden.getText().equals("Name (A to Z)")) {
            System.out.println("1.Verified that the user is able to apply the filter Name
(A to Z)");
        }
        Thread.sleep(4000);
        iden.click();
        WebElement
name=driver.findElement(By.xpath("//*[@id=\"item_4_title_link\"]/div"));
        System.out.println("First product name while filtering from A-Z :-"+name.getText());

        WebElement
iden1=driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/option[2]"
));
        if(iden1.getText().equals("Name (Z to A)")) {
            System.out.println("2.Verified that the user is able to apply the filter Name
(Z to A)");
        }
        iden1.click();
        Thread.sleep(4000);
        WebElement
name1=driver.findElement(By.xpath("//*[@id=\"item_3_title_link\"]/div"));
        System.out.println("First product name while filtering from Z-A :-"+name1.getText());

        WebElement
iden2=driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/option[3]"
));
        if(iden2.getText().equals("Price (low to high)")) {

```

```

        System.out.println("3.Verified that the user is able to apply the filter Price
(low to high)");
    }
    iden2.click();
    Thread.sleep(4000);
    WebElement
name2=driver.findElement(By.xpath("//*[@id=\"item_2_title_link\"]/div"));
    System.out.println("First product name while filtering from Price (low to high) :-
"+name2.getText());

    WebElement
iden3=driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/option[4]
"));
    if(iden3.getText().equals("Price (high to low)")) {
        System.out.println("4.Verified that the user is able to apply the filter Price
(high to low)");
    }
    iden3.click();
    Thread.sleep(4000);
    WebElement
name3=driver.findElement(By.xpath("//*[@id=\"item_5_title_link\"]/div"));
    System.out.println("First product name while filtering from Price (high to low) :-
"+name3.getText());

}

}

```

The screenshot shows an IDE with a Java file and its console output. The code in the editor is as follows:

```

54     }
55     iden2.click();
56     Thread.sleep(4000);
57     WebElement name2=driver.findElement(By.xpath("//*[@id=\"item_2_title_link\"]/div"));
58     System.out.println("First product name while filtering from Price (low to high) :-"+name2.getText());
59
60     WebElement iden3=driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/option[4]"));
61     if(iden3.getText().equals("Price (high to low)")) {
62         System.out.println("4.Verified that the user is able to apply the filter Price (high to low)");
63     }
64     iden3.click();
65     Thread.sleep(4000);
66     WebElement name3=driver.findElement(By.xpath("//*[@id=\"item_5_title_link\"]/div"));
67     System.out.println("First product name while filtering from Price (high to low) :-"+name3.getText());
68
69
70 }
71
72 }
73

```

The console output shows the following messages:

```

<terminated> cc1 [Java Application] C:\Users\91737\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.4.v20221004-1257\jre\bin\javaw.exe (13-Apr-2023, 12:27:03 pm - 12:27:34 pm) [pid: 1556]
SLF4J: No SLF4J providers were found.
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See https://www.slf4j.org/codes.html#noProviders for further details.
Starting ChromeDriver 111.0.5563.64 (c710e93d5b63b7095afe8c2c17df34408078439d-refs/branch-heads/55638[#995]) on port 6788
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
1.Verified that the user is able to apply the filter Name (A to Z)
First product name while filtering from A-Z :-Sauce Labs Backpack
2.Verified that the user is able to apply the filter Name (Z to A)
First product name while filtering from Z-A :-Test.allTheThings() T-Shirt (Red)
3.Verified that the user is able to apply the filter Price (low to high)
First product name while filtering from Price (low to high) :-Sauce Labs Onesie
4.Verified that the user is able to apply the filter Price (high to low)
First product name while filtering from Price (high to low) :-Sauce Labs Fleece Jacket

```