CC 1

1.) Adding a product to cart and checkout.

Code:

```java
package com.selenium.Cse1;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.edge.EdgeDriver;
import io.github.bonigarcia.wdm.WebDriverManager;
public class cc1 {
    public static void main(String[] args) throws Exception {
        WebDriver driver;
        WebDriverManager.edgedriver().setup();
          driver=new EdgeDriver();
          driver.get("https://www.saucedemo.com/checkout-step-one.html");
          driver.manage().window().maximize();
        WebElement username = driver.findElement(By.id("user-name"));
        username.sendKeys("standard_user");
        WebElement password = driver.findElement(By.id("password"));
        password.sendKeys("secret_sauce");
        password.submit();
        WebElement addToCartButton =
driver.findElement(By.xpath("//*[@id=\"add-to-cart-sauce-labs-
backpack\"]"));
        addToCartButton.click();
        WebElement cartIcon =
driver.findElement(By.className("shopping_cart_link"));
        cartIcon.click();
        WebElement cartItem =
driver.findElement(By.xpath("//div[@class='cart_item'][1]//div[@class='inv
entory_item_name']"));
        String cartItemName = cartItem.getText();
        System.out.println("Cart item name: " + cartItemName);

        // Proceed to checkout
        WebElement checkoutButton = driver.findElement(By.id("checkout"));
        checkoutButton.click();
        WebElement checkoutInfoTitle =
driver.findElement(By.className("title"));
        String checkoutInfoTitleText = checkoutInfoTitle.getText();
        if (checkoutInfoTitleText.equals("Checkout: Your Information")) {
            System.out.println("Checkout information form is displayed");
        }
    else {
            System.out.println("Checkout information form is not
displayed");
```

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```java
        }
        WebElement firstNameField = driver.findElement(By.id("first-
name"));
        firstNameField.sendKeys("Radhakrishnan");
        WebElement lastNameField = driver.findElement(By.id("last-name"));
        lastNameField.sendKeys("B");
        WebElement postalCodeField = driver.findElement(By.id("postal-
code"));
        postalCodeField.sendKeys("123456");
        WebElement continueButton =
driver.findElement(By.xpath("//input[@type='submit']"));
        continueButton.click();
        WebElement productOverviewTitle =
driver.findElement(By.className("title"));
        String productOverviewTitleText = productOverviewTitle.getText();
        if (productOverviewTitleText.equals("Checkout: Overview")) {
            System.out.println("Product overview is displayed");
        }
        else {
            System.out.println("Product overview is not displayed");
        }
        WebElement productPrice =
driver.findElement(By.xpath("//div[@class='inventory_item_price']"));
        String productPriceText = productPrice.getText();
        System.out.println("Product price: " + productPriceText);

        // Assert the title and URL of the page
        String expectedTitle = "Swag Labs";
        String expectedUrl = "https://www.saucedemo.com/checkout-step-
two.html";
        String actualTitle = driver.getTitle();
        String actualUrl = driver.getCurrentUrl();
        if (actualTitle.equals(expectedTitle)) {
            System.out.println("Title assertion passed");
        }
        else {
            System.out.println("Title assertion failed");
        }
        if (actualUrl.equals(expectedUrl)) {
            System.out.println("URL assertion passed");
        }
        else {
            System.out.println("URL assertion failed");
        }
        Thread.sleep(3000);
        driver.quit();
    }
}
```

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OUTPUT:

```java
cc1.java ×   CC1Q2.java
 1 package com.selenium.Cse1;
 2
 3 import org.openqa.selenium.By;
 4 import org.openqa.selenium.WebDriver;
 5 import org.openqa.selenium.WebElement;
 6 import org.openqa.selenium.edge.EdgeDriver;
 7 import io.github.bonigarcia.wdm.WebDriverManager;
 8 public class cc1 {
 9     public static void main(String[] args) throws Exception {
10         WebDriver driver;
11         WebDriverManager.edgedriver().setup();
12           driver=new EdgeDriver();
13           driver.get("https://www.saucedemo.com/checkout-step-one.html");
14           driver.manage().window().maximize();
15         WebElement username = driver.findElement(By.id("user-name"));
16         username.sendKeys("standard_user");
17         WebElement password = driver.findElement(By.id("password"));
18         password.sendKeys("secret_sauce");
19         password.submit();
20         WebElement addToCartButton = driver.findElement(By.xpath("//*[@id=\"add-to-cart-sauce-labs-b
21         addToCartButton.click();
22         WebElement cartIcon = driver.findElement(By.className("shopping_cart_link"));
23         cartIcon.click();
24         WebElement cartItem = driver.findElement(By.xpath("//div[@class='cart_item'][1]//div[@class=
25         String cartItemName = cartItem.getText();
26         System.out.println("Cart item name: " + cartItemName);
27
28         // Proceed to checkout
29         WebElement checkoutButton = driver.findElement(By.id("checkout"));
30         checkoutButton.click();
31         WebElement checkoutInfoTitle = driver.findElement(By.className("title"));
32         String checkoutInfoTitleText = checkoutInfoTitle.getText();
```

Problems @ Javadoc Declaration Console ×

\<terminated> cc1 [Java Application] D:\Eclipse\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220903-1038\j
```
Cart item name: Sauce Labs Backpack
Checkout information form is displayed
Product overview is displayed
Product price: $29.99
Title assertion passed
URL assertion passed
```

Problems @ Javadoc Declaration Console ×

\<terminated> cc1 [Java Application] D:\Eclipse\eclipse\plugins\org.eclipse.justj.open
```
Microsoft Edge WebDriver was started successfully.
Cart item name: Sauce Labs Backpack
Checkout information form is displayed
Product overview is displayed
Product price: $29.99
Title assertion passed
URL assertion passed
```

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2.)

Code:

```java
package com.selenium.Cse1;

import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.WebElement;
import org.openqa.selenium.edge.EdgeDriver;

import io.github.bonigarcia.wdm.WebDriverManager;

public class CC1Q2 {

public static void main(String[] args) throws Exception {
WebDriverManager.edgedriver().setup();
WebDriver driver=new EdgeDriver();
driver.manage().window().maximize();
Thread.sleep(3000);
driver.get("https://www.saucedemo.com/");
    WebElement fn=driver.findElement(By.name("user-name"));
WebElement ln=driver.findElement(By.name("password"));
fn.sendKeys("standard_user");
ln.sendKeys("secret_sauce");
Thread.sleep(3000);
driver.findElement(By.xpath("//*[@id=\"login-button\"]")).click();
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span
/select/option[1]")).click();
Thread.sleep(3000);
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span
/select")).click();
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span
/select/option[2]")).click();
Thread.sleep(3000);
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span
/select")).click();
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span
/select/option[1]")).click();
WebElement
k=driver.findElement(By.xpath("//*[@id=\"item_4_title_link\"]/div"));
System.out.println("Product Name from A-Z: "+k.getText());
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span
/select")).click();
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span
/select/option[2]")).click();
WebElement
t=driver.findElement(By.xpath("//*[@id=\"item_3_title_link\"]/div"));
System.out.println("Product Name from Z-A: "+t.getText());
```
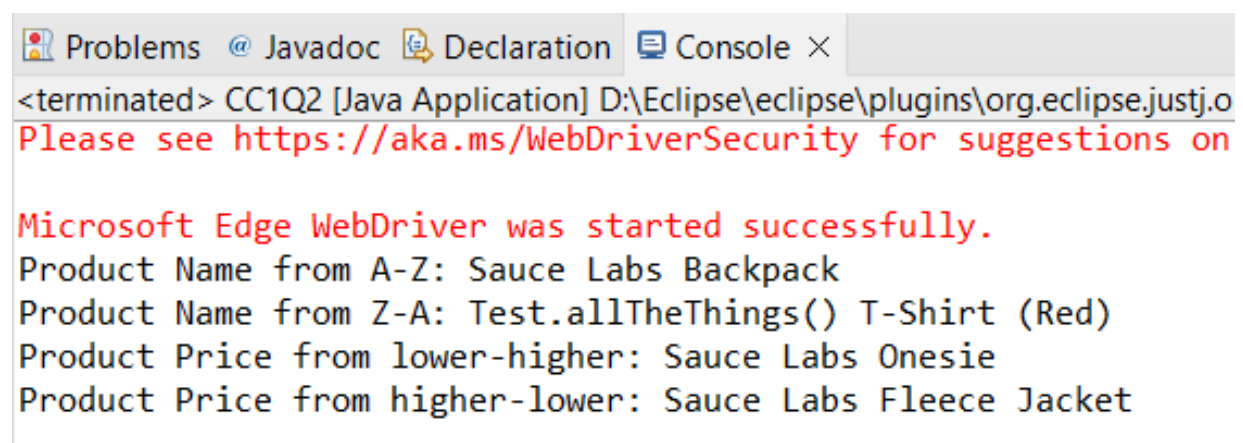
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```
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span
/select")).click();
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span
/select/option[3]")).click();
Thread.sleep(3000);
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span
/select")).click();
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span
/select/option[4]")).click();
Thread.sleep(3000);
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span
/select")).click();
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span
/select/option[3]")).click();
WebElement
r=driver.findElement(By.xpath("//*[@id=\"item_2_title_link\"]/div"));
System.out.println("Product Price from lower-higher: "+r.getText());
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span
/select")).click();
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span
/select/option[4]")).click();
WebElement
e=driver.findElement(By.xpath("//*[@id=\"item_5_title_link\"]/div"));
System.out.println("Product Price from higher-lower: "+e.getText());
}
}
```

OUTPUT:

Problems @ Javadoc Declaration Console ×
<terminated> CC1Q2 [Java Application] D:\Eclipse\eclipse\plugins\org.eclipse.justj.o
Please see https://aka.ms/WebDriverSecurity for suggestions on

Microsoft Edge WebDriver was started successfully.
Product Name from A-Z: Sauce Labs Backpack
Product Name from Z-A: Test.allTheThings() T-Shirt (Red)
Product Price from lower-higher: Sauce Labs Onesie
Product Price from higher-lower: Sauce Labs Fleece Jacket

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```
cc1.java        CC1Q2.java ×
  1 package com.selenium.Cse1;
  2
  3⊖import org.openqa.selenium.By;
  4 import org.openqa.selenium.WebDriver;
  5 import org.openqa.selenium.WebElement;
  6 import org.openqa.selenium.edge.EdgeDriver;
  7
  8 import io.github.bonigarcia.wdm.WebDriverManager;
  9
 10 public class CC1Q2 {
 11
 12⊖public static void main(String[] args) throws Exception {
 13 WebDriverManager.edgedriver().setup();
 14 WebDriver driver=new EdgeDriver();
 15 driver.manage().window().maximize();
 16 Thread.sleep(3000);
 17 driver.get("https://www.saucedemo.com/");
 18    WebElement fn=driver.findElement(By.name("user-name"));
 19 WebElement ln=driver.findElement(By.name("password"));
 20 fn.sendKeys("standard_user");
 21 ln.sendKeys("secret_sauce");
 22 Thread.sleep(3000);
 23 driver.findElement(By.xpath("//*[@id=\"login-button\"]")).click();
 24 driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/option[1]")).click();
 25 Thread.sleep(3000);
 26 driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select")).click();
 27 driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/option[2]")).click();
 28 Thread.sleep(3000);
 29 driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select")).click();
 30 driver.findElement(By.xpath("//*[@id=\"header_container\"]/div[2]/div/span/select/option[1]")).click();
 31 WebElement k=driver.findElement(By.xpath("//*[@id=\"item_4_title_link\"]/div"));
 32 System.out.println("Product Name from A-Z: "+k.getText());
```

Problems @ Javadoc Declaration Console ×

<terminated> CC1Q2 [Java Application] D:\Eclipse\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220903-1038\jre

Please see https://aka.ms/WebDriverSecurity for suggestions on keeping Microsoft Edge WebDriver safe.

Microsoft Edge WebDriver was started successfully.
Product Name from A-Z: Sauce Labs Backpack
Product Name from Z-A: Test.allTheThings() T-Shirt (Red)
Product Price from lower-higher: Sauce Labs Onesie
Product Price from higher-lower: Sauce Labs Fleece Jacket