Coding contest 1:

Q1:

CODE:

```
package CC1;

import org.openqa.selenium.By;
import org.openqa.selenium.JavascriptExecutor;
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 Q1 {

	public static void main(String[] args) throws InterruptedException {

    // Driver setup
    WebDriverManager.chromedriver().setup();
    ChromeOptions co = new ChromeOptions();
    co.addArguments("--remote-allow-origins=*");
    WebDriver driver = new ChromeDriver(co);

    // URL to open
    String url = "https://www.saucedemo.com/";

    // Open the URL
    driver.get(url);

    // Maximize
    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");


    Thread.sleep(2500);

    WebElement loginButton = driver.findElement(By.id("login-button"));
    loginButton.click();
```

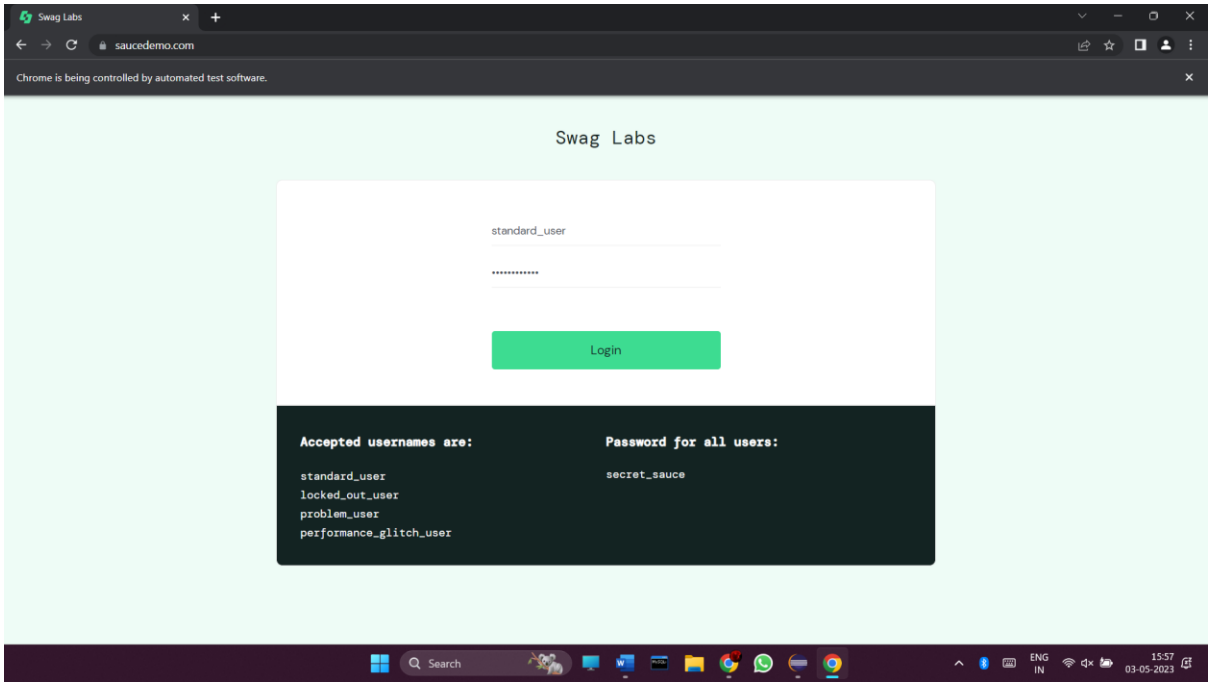
```
WebElement Add = driver.findElement(By.id("add-to-cart-sauce-labs-backpack"));
Add.click();
Thread.sleep(1500);


WebElement cart = driver.findElement(By.xpath("//*[@id=\"shopping_cart_container\"]/a"));
cart.click();



String currentURL = driver.getCurrentUrl();
String checkURL = "https://www.saucedemo.com/cart.html";


if (checkURL.equals(currentURL)) {
   System.out.println("Correct URL");
} else {
   System.out.println("Wrong URL");
}

Thread.sleep(2000);


WebElement checkout = driver.findElement(By.id("checkout"));
checkout.click();



 currentURL = driver.getCurrentUrl();
 checkURL = "https://www.saucedemo.com/checkout-step-one.html";


if (checkURL.equals(currentURL)) {
   System.out.println("Correct URL for user information");
} else {
   System.out.println("Wrong URL");
}

WebElement firstName = driver.findElement(By.id("first-name"));
firstName.sendKeys("Ravi");

WebElement lastName = driver.findElement(By.id("last-name"));
lastName.sendKeys("krishna");


WebElement pinCode = driver.findElement(By.id("postal-code"));
pinCode.sendKeys("638001");

Thread.sleep(2000);
```

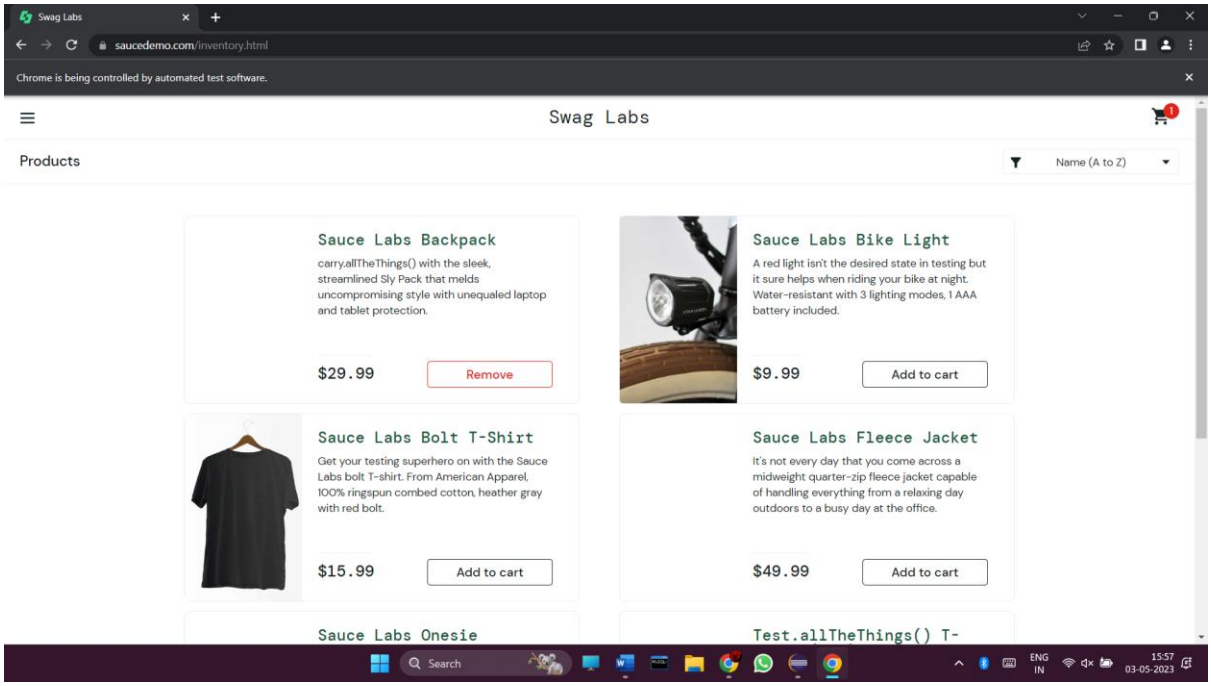
```
        WebElement Continue = driver.findElement(By.id("continue"));
        Continue.click();



        String expectedTitle = "Swag Labs";
        String actualTitle = driver.getTitle();

        if (expectedTitle.equals(actualTitle)) {
            System.out.println("Correct title");
        } else {
            System.out.println("Wrong Title");
        }




        String currentURL1 = driver.getCurrentUrl();
        String checkURL1 = "https://www.saucedemo.com/checkout-step-two.html";


        if (checkURL1.equals(currentURL1)) {
            System.out.println("Correct URL");
        } else {
            System.out.println("Wrong URL");
        }



        WebElement proName = driver.findElement(By.className("inventory_item_name"));
        String productName = proName.getText();
        System.out.println(productName);


        WebElement proPrice = driver.findElement(By.className("inventory_item_price"));
        String productPrice = proPrice.getText();
        System.out.println(productPrice);

        driver.quit();
    }

}
```

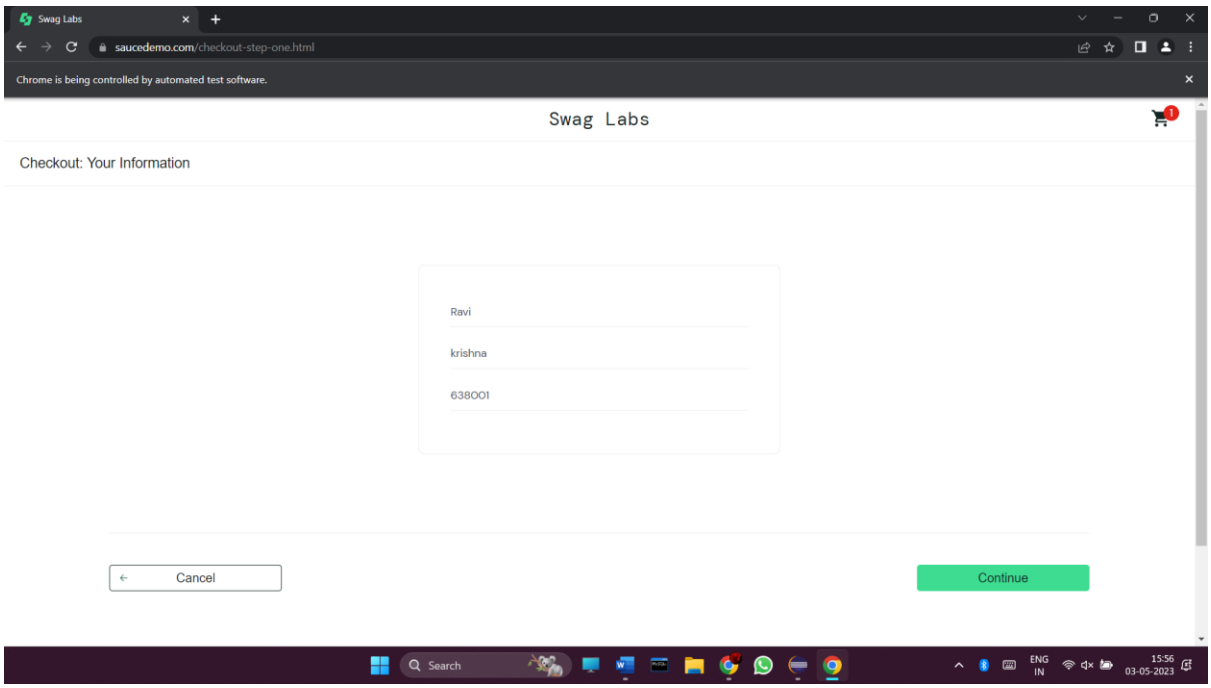
Console:

```
SLF4J: Failed to load class
"org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder
for further details.
ERROR StatusLogger Log4j2 could not find a logging
implementation. Please add log4j-core to the classpath. Using
SimpleLogger to log to the console...
Starting ChromeDriver 112.0.5615.49
(bd2a7bcb881c11e8cfe3078709382934e3916914-refs/branch-
heads/5615@{#936}) on port 31413
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-
considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
Correct URL
Correct URL for user information
Correct title
Correct URL
Sauce Labs Backpack
$29.99
```

ScreenShots:




Swag Labs
saucedemo.com/inventory.html
Chrome is being controlled by automated test software.
Swag Labs
Products
Name (A to Z)
Sauce Labs Backpack
carry.allTheThings() with the sleek, streamlined Sly Pack that melds uncompromising style with unequaled laptop and tablet protection.
$29.99
Remove
Sauce Labs Bike Light
A red light isn't the desired state in testing but it sure helps when riding your bike at night. Water-resistant with 3 lighting modes, 1 AAA battery included.
$9.99
Add to cart
Sauce Labs Bolt T-Shirt
Get your testing superhero on with the Sauce Labs bolt T-shirt. From American Apparel, 100% ringspun combed cotton, heather gray with red bolt.
$15.99
Add to cart
Sauce Labs Fleece Jacket
It's not every day that you come across a midweight quarter-zip fleece jacket capable of handling everything from a relaxing day outdoors to a busy day at the office.
$49.99
Add to cart
Sauce Labs Onesie
Test.allTheThings() T-
Search
ENG
IN
15:57
03-05-2023


Swag Labs
saucedemo.com/checkout-step-one.html
Chrome is being controlled by automated test software.
Swag Labs
Checkout: Your Information
Ravi
krishna
638001
Cancel
Continue
Search
ENG
IN
15:56
03-05-2023

Q2:

Code:

```
package CC1;

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 Q2 {

     public static void main(String[] args) throws
InterruptedException {
          // Driver setup
         WebDriverManager.chromedriver().setup();
         ChromeOptions co = new ChromeOptions();
         co.addArguments("--remote-allow-origins=*");
         WebDriver driver = new ChromeDriver(co);

         // URL to open
         String url = "https://www.saucedemo.com/";

         // Open the URL
         driver.get(url);

         // Maximize
         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");


         Thread.sleep(2500);

         WebElement loginButton =
driver.findElement(By.id("login-button"));
         loginButton.click();
```

```
        Thread.sleep(2000);

        //1st
        WebElement Filter =
driver.findElement(By.className("product_sort_container"));
        Filter.click();
        Thread.sleep(2000);

        WebElement A_Z =
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div
[2]/div/span/select/option[1]"));
        Thread.sleep(2000);
        A_Z.click();



        WebElement proName1 =
driver.findElement(By.className("inventory_item_name"));
        String productName1 = proName1.getText();
        System.out.println("From the filter A-Z :
"+productName1);


        Thread.sleep(2000);

        //2nd

        Filter =
driver.findElement(By.className("product_sort_container"));
        Filter.click();
        Thread.sleep(2000);


        WebElement Z_A =
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div
[2]/div/span/select/option[2]"));
        Thread.sleep(2000);
        Z_A.click();

        Thread.sleep(2000);

        WebElement proName2 =
driver.findElement(By.className("inventory_item_name"));
        String productName2 = proName2.getText();
        System.out.println("From the filter Z-A :
"+productName2);
```

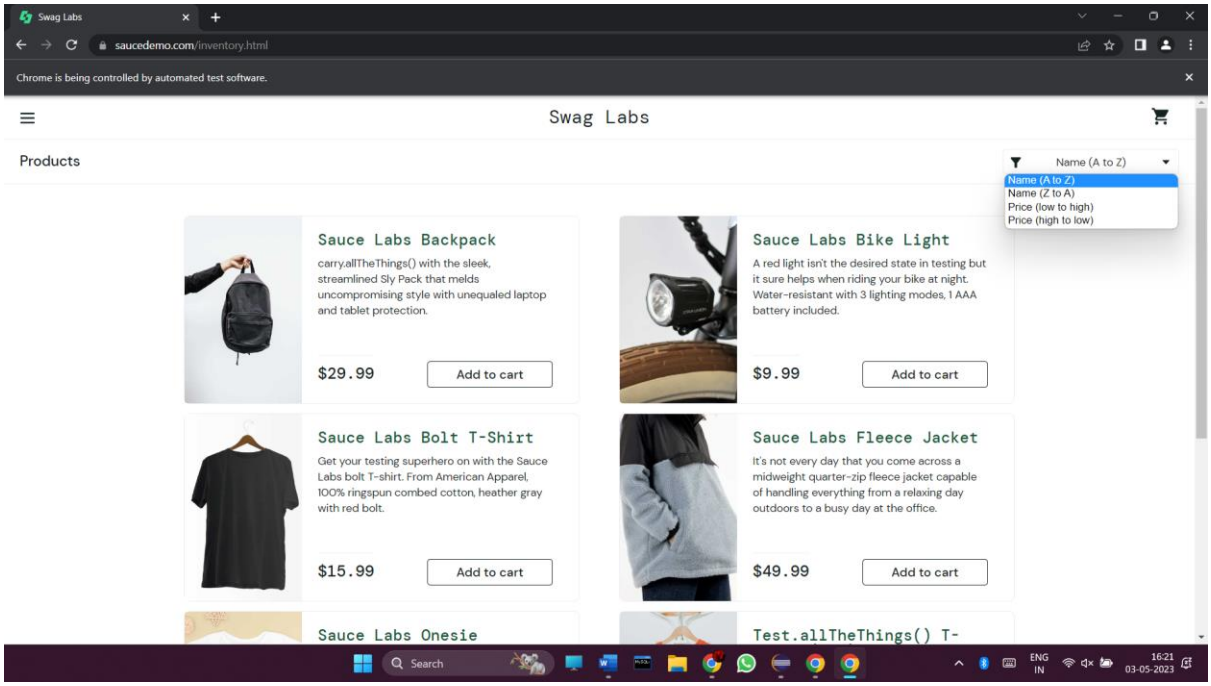
```
        //3rd point
        Filter =
driver.findElement(By.className("product_sort_container"));
        Filter.click();
        Thread.sleep(2000);

        WebElement l_h =
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div
[2]/div/span/select/option[3]"));
        Thread.sleep(2000);
        l_h.click();

        Thread.sleep(2000);

        WebElement proName3 =
driver.findElement(By.className("inventory_item_name"));
        String productName3 = proName3.getText();
        System.out.println("From the filter Low-High :
"+productName3);

        Thread.sleep(2000);

        //4th

        Filter =
driver.findElement(By.className("product_sort_container"));
        Thread.sleep(2000);
        Filter.click();

        Thread.sleep(2000);

        WebElement h_l =
driver.findElement(By.xpath("//*[@id=\"header_container\"]/div
[2]/div/span/select/option[4]"));
        h_l.click();

        Thread.sleep(2000);

        WebElement proName4 =
driver.findElement(By.className("inventory_item_name"));
        String productName4 = proName4.getText();
        System.out.println("From the filter High-Low :
"+productName4);

        driver.quit();



    }

}
```

Console:

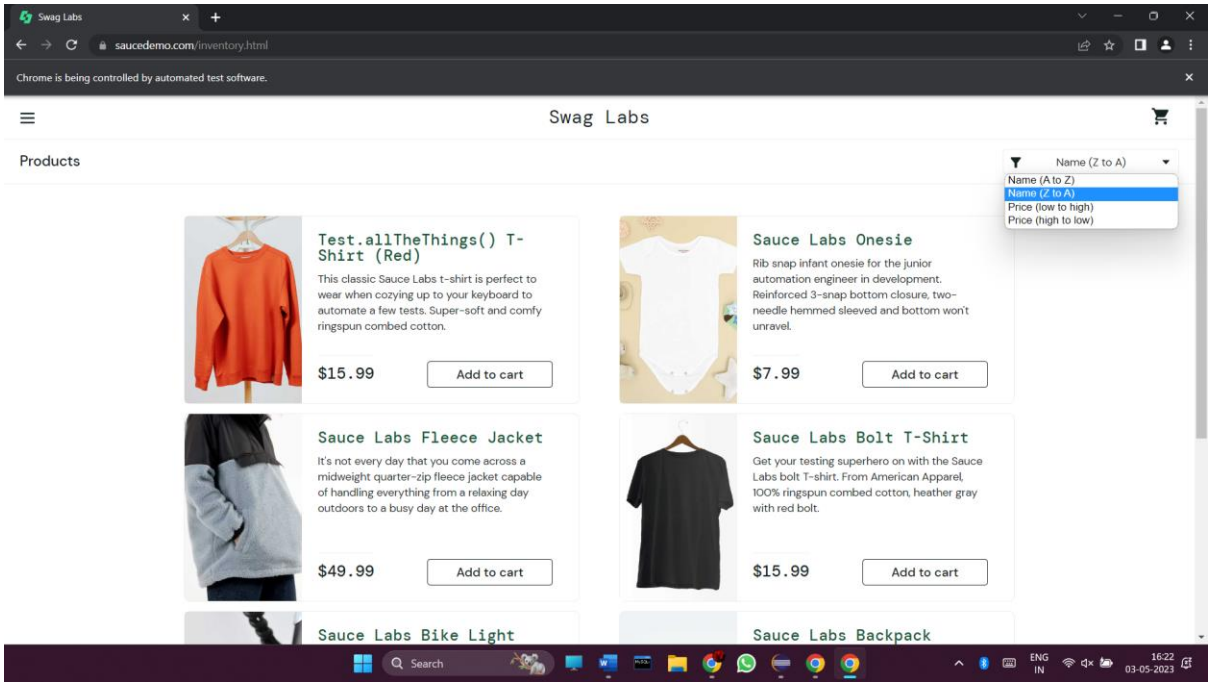
```
SLF4J: Failed to load class
"org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder
for further details.
ERROR StatusLogger Log4j2 could not find a logging
implementation. Please add log4j-core to the classpath. Using
SimpleLogger to log to the console...
Starting ChromeDriver 112.0.5615.49
(bd2a7bcb881c11e8cfe3078709382934e3916914-refs/branch-
heads/5615@{#936}) on port 49001
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-
considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.


From the filter A-Z : Sauce Labs Backpack
From the filter Z-A : Test.allTheThings() T-Shirt (Red)
From the filter Low-High : Sauce Labs Onesie
From the filter High-Low : Sauce Labs Fleece Jacket
```

Screenshots:

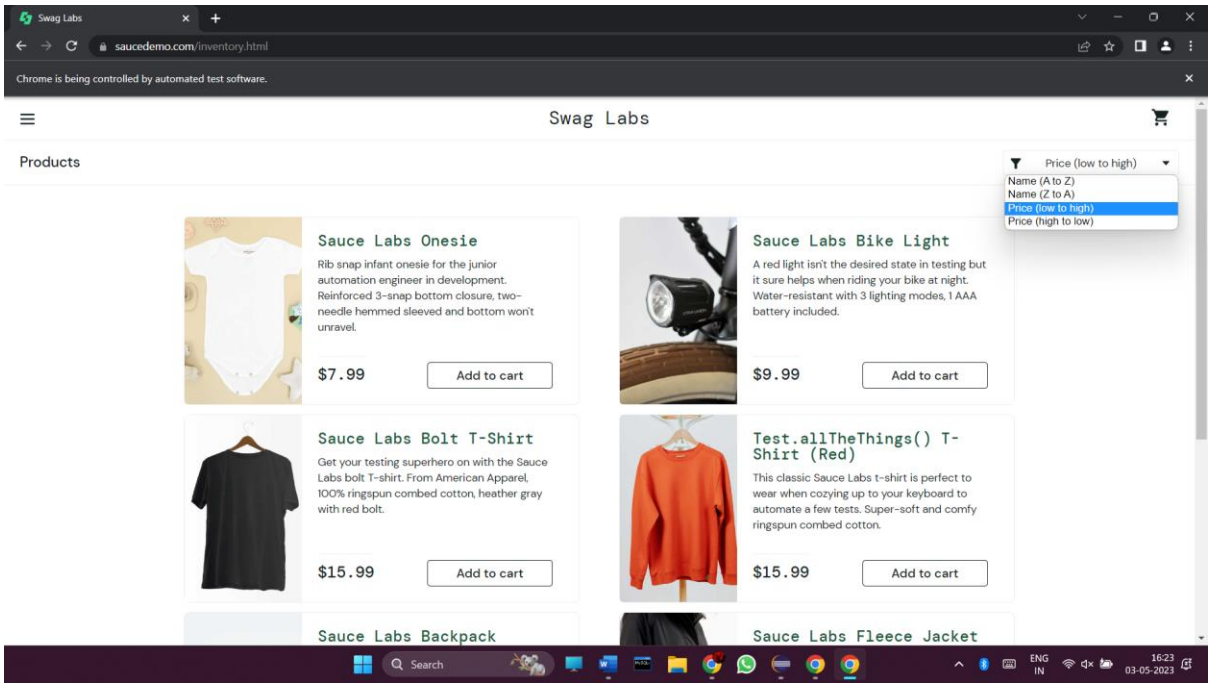
Filter 1:



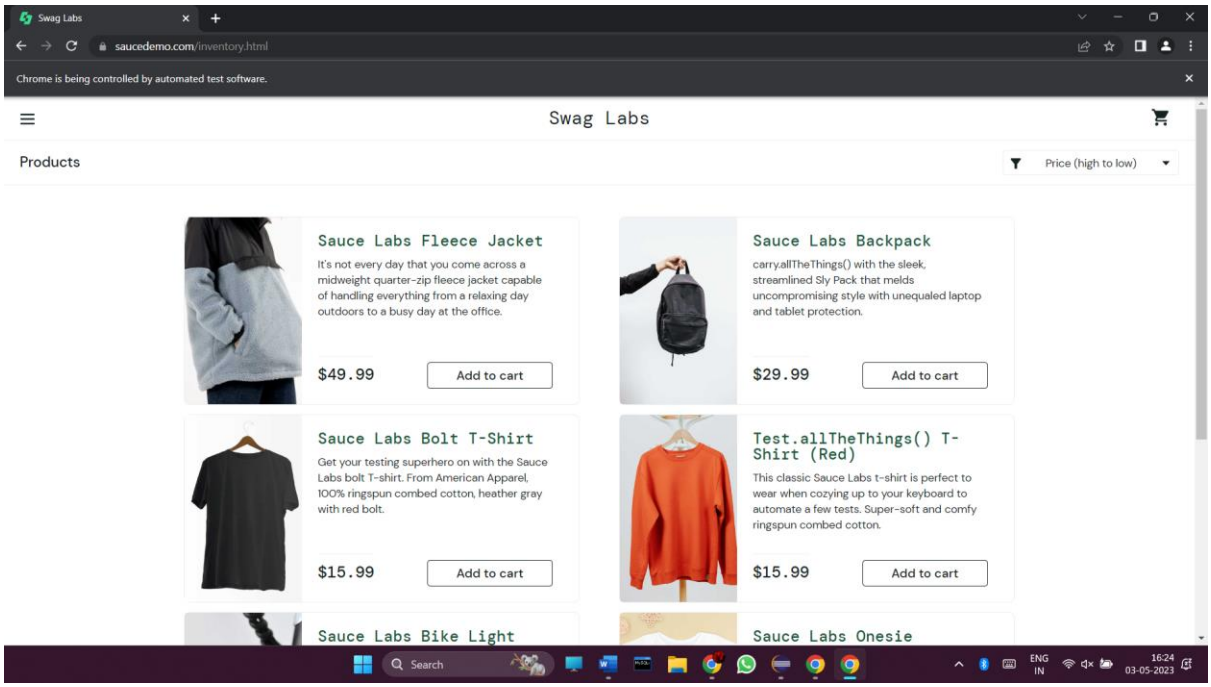
Filter 2:



Filter 3:



Filter 4: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Swag Labs
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Price (high to low)
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Get your testing superhero on with the Sauce Labs bolt T-shirt. From American Apparel, 100% ringspun combed cotton, heather gray with red bolt.
$15.99
Add to cart
Test.allTheThings() T-Shirt (Red)
This classic Sauce Labs t-shirt is perfect to wear when cozying up to your keyboard to automate a few tests. Super-soft and comfy ringspun combed cotton.
$15.99
Add to cart
Sauce Labs Bike Light
Sauce Labs Onesie
Search
ENG
IN
16:24
03-05-2023