

CODING CONTEST – 1

AUTOMATION TESTING SELENIUM JAVA

An E-commerce website that allows users to purchase their desired product.

Design a test case for

buying a product online using Selenium.

URL : <https://www.saucedemo.com/>

Username : standard_user

Password : secret_sauce

Question 1:

- 1) Adding a product to cart and checkout
- 2) Verify that user is able to add a product to the cart Add to cart
- 3) Verify that user can view the contents in the cart
- 4) Verify that once user clicks on checkout button “Your information” form should be displayed
- 5) Verify that once user fills the form and clicks on continue button entire product overview should be displayed
- 6) Print the name of the product and the price of the product
- 7) Assert the title of the page is ‘Swag Labs’
- 8) Assert the URL of the page is ‘<https://www.saucedemo.com/checkout-step-two.html>’

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CODING:

```
package testing;
```

```
import org.openqa.selenium.By;
```

```
import org.openqa.selenium.WebDriver;
```

```
import org.openqa.selenium.chrome.ChromeDriver;
```

```
import io.github.bonigarcia.wdm.WebDriverManager;
```

```
public class Question1 {
```

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

```
{
```

```
    WebDriverManager.chromedriver().setup();
```

```
    WebDriver driver = new ChromeDriver();
```

```
    driver.manage().window().maximize();
```

```
    driver.navigate().to("https://www.saucedemo.com/");
```

```
    driver.manage().window().maximize();
```

```
    driver.findElement(By.xpath("//*[@id=\"user-name\"]")).sendKeys("standard_user");
```

```
    driver.findElement(By.xpath("//*[@id=\"password\"]")).sendKeys("secret_sauce");
```

```
    driver.findElement(By.xpath("//*[@id=\"login-button\"]")).click();
```

```
    driver.findElement(By.xpath("//*[@id=\"add-to-cart-sauce-labs-backpack\"]")).click();
```

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```
String cartCount =
driver.findElement(By.xpath("/html/body/div/div/div/div[1]/div[1]/div[3]/a/span")).getText(
);

if (cartCount.equals("1")) {

    System.out.println("TestCase 1 : Successfully Added To Cart");

}

driver.findElement(By.xpath("/html/body/div/div/div/div[1]/div[1]/div[3]/a")).click();

String product = "Sauce Labs Backpack";

if(driver.findElement(By.xpath("/html/body/div/div/div/div[2]/div/div[1]/div[3]/div[2]/a/div
")).getText().equals(product));

{

    System.out.println("Testcase 2 : Cart Can Be Viewed By The User");

}

driver.findElement(By.xpath("//*[@id=\"checkout\"]")).click();

if(driver.findElement(By.xpath("/html/body/div/div/div/div[1]/div[2]/span")).getText().equal
s("Checkout: Your Information")) {

    System.out.println("Testcase 3 : Address Form Is Displayed");

}

driver.findElement(By.xpath("//*[@id=\"first-name\"]")).sendKeys("DURGA ");

driver.findElement(By.xpath("//*[@id=\"last-name\"]")).sendKeys("V");

driver.findElement(By.xpath("//*[@id=\"postal-code\"]")).sendKeys("641042");

driver.findElement(By.xpath("//*[@id=\"continue\"]")).click();
```

```
if(driver.findElement(By.xpath("/html/body/div/div/div/div[1]/div[2]/span")).getText().equals("Checkout: Overview")) {

    System.out.println("Testcase 4 : Overview Of The Product Is Displayed ");

}

System.out.println("Testcase 5 : Name Of The Added Product : " +
driver.findElement(By.xpath("/html/body/div/div/div/div[2]/div/div[1]/div[3]/div[2]/a/div"))
.getText());

System.out.println("Testcase 6 : Price Of The Added Product : " +
driver.findElement(By.xpath("/html/body/div/div/div/div[2]/div/div[1]/div[3]/div[2]/div[2]/div"))
.getText());

if(driver.getTitle().equals("Swag Labs")) {

    System.out.println("Testcase 7 : Website's Title is SWAG LABS ");

}

if(driver.getCurrentUrl().equals("https://www.saucedemo.com/checkout-step-two.html")) {

    System.out.println("Testcase 8 : URL Is Asserted With The Provided Link");

}

}

}
```

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Output:

```
INFO: No ZIP47 providers were found.
INFO: defaulting to no-operation (NOP) logger implementation
INFO: See https://www.selenium.org/codes/admin#webdriver for further details.
Starting ChromeDriver 112.0.5615.49 (b3b7937d325448489d16948-c61a/bunch-beads/34154f4934): on port 37547
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping ChromeDriver safe.
ChromeDriver was started successfully.
TestCase 1 : Successfully Added To Cart
TestCase 2 : Cart Can Be Viewed By The User
TestCase 3 : Address Form Is Displayed
TestCase 4 : Overview Of The Product Is Displayed
TestCase 5 : Name Of The Added Product : Sauce Labs Backpack
TestCase 6 : Price Of The Added Product : $29.99
TestCase 7 : Website's Title is SWAG LABS
TestCase 8 : URL Is Asserted With The Provided Link
```



QUESTION 2:

Filter option :

- 1) Verify that user is able to apply filter name wise from A-Z and Z-A
- 2) Print the first product name while filtering from A-Z and print 1 product name while filtering from Z-A
- 3) Verify the user is able to apply filter from low price to high price and high price to low price
- 4) Print the 1* product price while filtering from high to low and print 1* product price while filtering from low to high

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Coding:

package testing;

```
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 Question2 {
```

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

```
        ChromeOptions co=new ChromeOptions();
```

```
        co.addArguments ("--remote-allow-origins=*");
```

```
        WebDriverManager.chromedriver().setup ();
```

```
        WebDriver driver=new ChromeDriver(co);
```

```
        driver.get ("https://www.saucedemo.com/");
```

```
        driver.manage().window().maximize() ;
```

```
        WebElement username=driver.findElement(By.xpath("//*[@id=\"user-name\"]"));
```

```
        username.sendKeys("standard_user");
```

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```
WebElement pass=driver.findElement(By.xpath("//*[@id=\"password\"]"));
```

```
pass.sendKeys("secret_sauce");
```

```
driver.findElement(By.xpath("//*[@id=\"login-button\"]")).click();
```

```
System.out.println("String From A-Z:");
```

```
System.out.println("=====");
```

```
String t1=driver.findElement(By.xpath("//*[@id=\"item_4_title_link\"]/div")).getText();
```

```
System.out.println("(1) : "+t1);
```

```
System.out.println();
```

```
System.out.println("String From Z-A:");
```

```
System.out.println("=====");
```

```
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();
```

```
String t2=driver.findElement(By.xpath("//*[@id=\"item_3_title_link\"]/div")).getText();
```

```
System.out.println("(2) : "+t2);
```

```
System.out.println();
```

```
System.out.println("Low To High:");
```

```
System.out.println("=====");
```

```
System.out.println();
```

```
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();
```

```
String t3=driver.findElement(By.xpath("//*[@id=\"item_2_title_link\"]/div")).getText();
```


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```
System.out.println("(3) : "+t3);
```

```
System.out.println();
```

```
System.out.println("1st Product Price And Product :");
```

```
System.out.println("=====");
```

```
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();
```

```
String t4=driver.findElement(By.xpath("//*[@id=\"item_5_title_link\"]/div")).getText();
```

```
System.out.println("(4) : "+t4);
```

```
String
```

```
t41=driver.findElement(By.xpath("//*[@id=\"inventory_container\"]/div/div[1]/div[2]/div[2]
/div")).getText();
```

```
System.out.println("(5) : "+t41);
```

```
}
```

```
}
```

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Output:

```

[1144] No AIOZ providers were found.
[1144] Defaulting to no-operation (NOP) logger implementation
[1144] See https://www.selenium.dev/selenium/docs/api/java/org.openqa.selenium.logging.html for further details.
Starting ChromeDriver 112.0.5615.46 (b3b6913024f778755916c14-refs/branch-heads/56158(4936)) on port 12321
Only local connections are allowed.
Please see https://chromedriver.chromium.org/security-considerations for suggestions on keeping Chromedriver safe.
Chromedriver was started successfully.
String From A-B:
=====
(1) : Sauce Labs Backpack
String From S-A:
=====
(2) : Test.allTheThings() T-Shirt (Red)
Low To High:
=====
(3) : Sauce Labs Onesie
1st Product Price And Product :
=====
(4) : Sauce Labs Fleece Jacket
(5) : $49.99

```

