**SOFTWARE TESTING USING SELENIUM**

**Coding Contest - I**

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**Qn-1: Adding a Product to Cart and Checkout**

Code:

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

// Set up the Chrome driver

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();

// Log in with a valid username and password

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(3000);

loginButton.click();

// Add a product to the cart

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

addToCartButton.click();

Thread.sleep(3000);

// Verify that the product was added to the cart

WebElement cartBadge = driver.findElement(By.id("remove-sauce-labs-backpack"));

String t=cartBadge.getText();

if(t.equals("Remove")) {

System.out.println("1. 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("2. Your Cart is Viewed");

}

Thread.sleep(3000);

// Verify that the checkout form is displayed

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("3. Your Information Form is Displayed");

}

Thread.sleep(3000);

// Fill out the checkout form and product overview should be displayed

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("John");

lastNameField.sendKeys("Doe");

postalCodeField.sendKeys("12345");

Thread.sleep(3000);

continueButton.click();

WebElement over= driver.findElement(By.className("title"));

String c=over.getText();

if(c.equals("Checkout: Overview")) {

System.out.println("4. Product Overview is Displayed");

}

Thread.sleep(3000);

//Name and price of the product should be displayed

WebElement productName = driver.findElement(By.xpath("//\*[@id=\"item\_4\_title\_link\"]/div"));

WebElement productPrice = driver.findElement(By.xpath("//\*[@id=\"checkout\_summary\_container\"]/div/div[2]/div[8]"));

String name=productName.getText();

String price=productPrice.getText();

System.out.println("5. Product Name: "+name);

System.out.println(" "+price);

//Title and URL of the page

String tit=driver.getTitle();

if(tit.equals("Swag Labs")){

System.out.println("6. Title of the page is Correct");

}

String u=driver.getCurrentUrl();

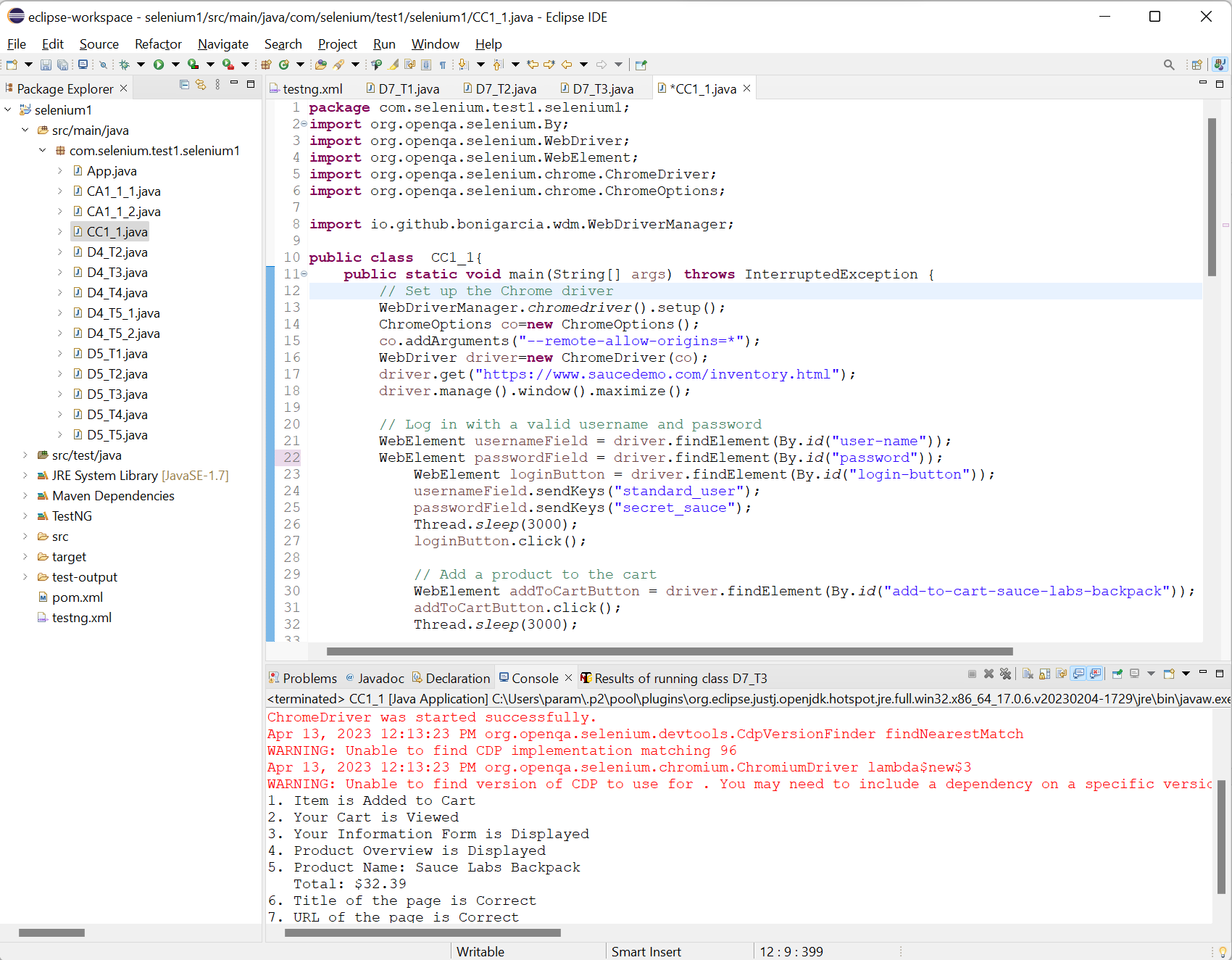
if(u.equals("https://www.saucedemo.com/checkout-step-two.html")){

System.out.println("7. URL of the page is Correct");

}

}

Output:



**Qn-2: Filter Option**

Code:

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());

}

}

Output:

