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IT - A

CC – 1

Task - 1

```
package com.demo.Demo;
```

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

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

```
import org.openqa.selenium.firefox.FirefoxDriver;
```

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

```
public class App {
```

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

```
    {
```

```
        WebDriverManager.firefoxdriver().setup();
```

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

```
        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();

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

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

            System.out.println("Successfully Added to the cart");

        }

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

        String prodStr = "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(prodStr));

        {

            System.out.println("User can view the contents of the cart");

        }

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

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

        System.out.println("Your information form is displayed");

    }

    driver.findElement(By.xpath("//*[@id=\"first-name\"]")).sendKeys("SACHIN");
    driver.findElement(By.xpath("//*[@id=\"last-name\"]")).sendKeys("G K");
    driver.findElement(By.xpath("//*[@id=\"postal-code\"]")).sendKeys("637001");
    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("Product overview page is displayed");

```

```

    }

    System.out.println("Name of the 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("Price of the product: " +
driver.findElement(By.xpath("/html/body/div/div/div/div[2]/div/div[1]/div[3]/div[2]/div[2]/div")).get
Text());

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

        System.out.println("Title matched");

    }

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

        System.out.println("URL matched");

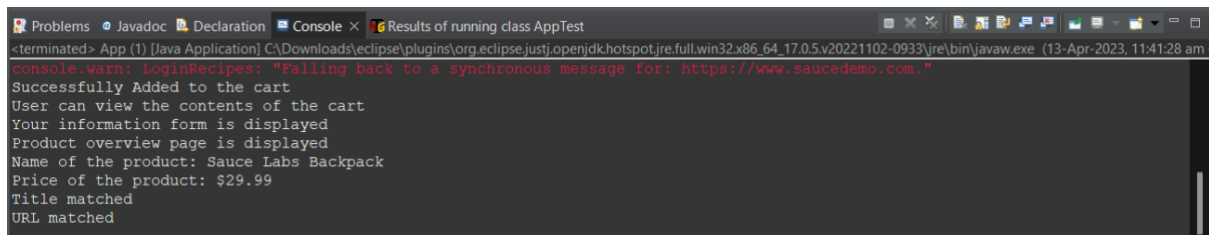
    }

}

}

```

Output :



```

<terminated> App (1) [Java Application] C:\Downloads\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.5.v20221102-0933\jre\bin\javaw.exe (13-Apr-2023, 11:41:28 am)
console.warn: LoginRecipes: "Falling back to a synchronous message for: https://www.saucedemo.com."
Successfully Added to the cart
User can view the contents of the cart
Your information form is displayed
Product overview page is displayed
Name of the product: Sauce Labs Backpack
Price of the product: $29.99
Title matched
URL matched

```

Task - 2

```
package com.demo.Demo;
```

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

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.support.ui.Select;

import io.github.bonigarcia.wdm.WebDriverManager;

public class task2 {

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

    {

        WebDriverManager.firefoxdriver().setup();

        WebDriver driver = new FirefoxDriver();

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

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

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

        WebElement txtBox1=driver.findElement(By.xpath("//*[@id=\"user-name\"]"));

        txtBox1.sendKeys("standard_user");

        WebElement txtBox2=driver.findElement(By.xpath("//*[@id=\"password\"]"));

        txtBox2.sendKeys("secret_sauce");

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

        String txt1=driver.findElement(By.xpath("//*[@id=\"item_4_title_link\"]/div")).getText();

        System.out.println(txt1);

        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 txt2=driver.findElement(By.xpath("//*[@id=\"item_3_title_link\"]/div")).getText();

        System.out.println(txt2);

    }

}
```

```

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 txt3=driver.findElement(By.xpath("//*[@id=\"item_2_title_link\"]/div")).getText();

System.out.println(txt3);

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 txt4=driver.findElement(By.xpath("//*[@id=\"item_5_title_link\"]/div")).getText();

System.out.println(txt4);

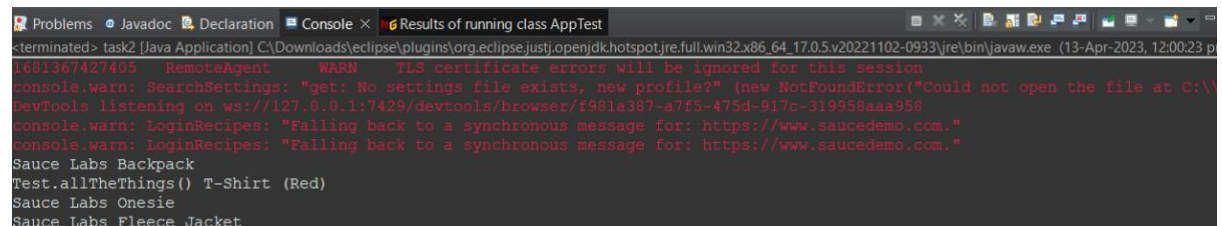
Thread.sleep(5000);

}

}

```

Output:



The screenshot shows the Eclipse IDE interface with the 'Console' tab selected. The console output includes several warnings from the RemoteAgent and Selenium WebDriver, followed by the test results for the 'AppTest' class. The test results show that the test 'Test.allTheThings()' passed, with the expected items being 'T-Shirt (Red)', 'Sauce Labs Onesie', and 'Sauce Labs Fleece Jacket'.

```

Problems Javadoc Declaration Console x 6 Results of running class AppTest
<terminated> task2 [Java Application] C:\Downloads\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64.17.0.5.v20221102-0933\jre\bin\javaw.exe (13-Apr-2023, 12:00:23 p
1681367427405 RemoteAgent WARN TLS certificate errors will be ignored for this session
console.warn: SearchSettings: "get: No settings file exists, new profile?" (new NotFoundError("Could not open the file at C:\
DevTools listening on ws://127.0.0.1:7429/devtools/browser/f981a387-a7f5-475d-917c-319958aaa958
console.warn: LoginRecipes: "Falling back to a synchronous message for: https://www.saucedemo.com."
console.warn: LoginRecipes: "Falling back to a synchronous message for: https://www.saucedemo.com."
Sauce Labs Backpack
Test.allTheThings() T-Shirt (Red)
Sauce Labs Onesie
Sauce Labs Fleece Jacket

```