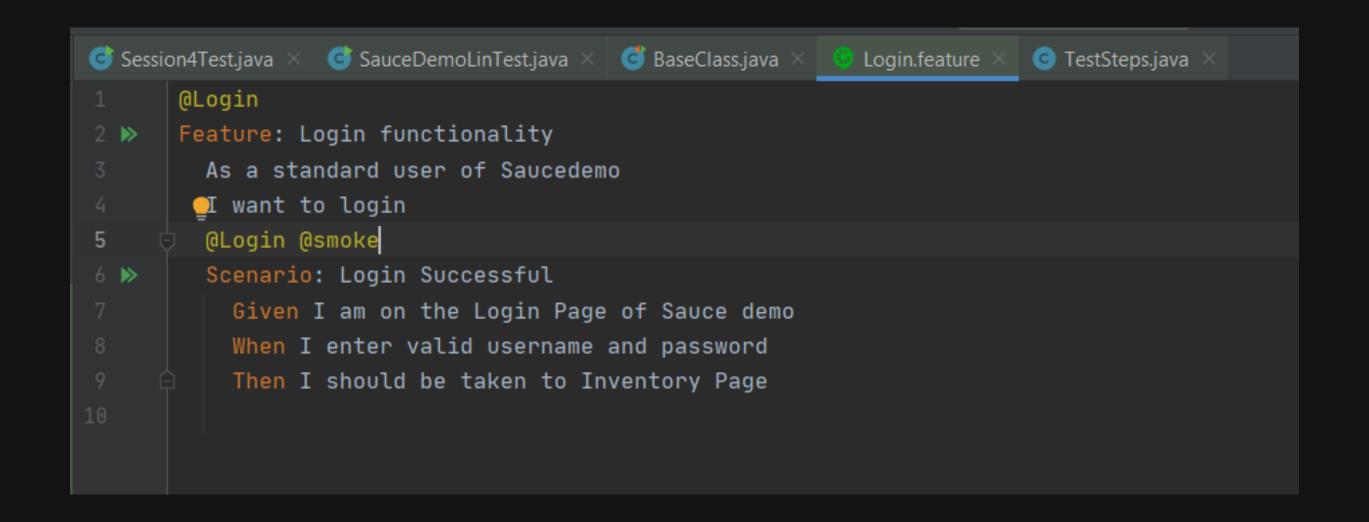# Project Assignment (Phase II)

- System (Application) Under Test - www.saucedemo.com

- Build a BDD framework (Cucumber)

- Create a .feature file to implement test scenarios in Gherkin

- Create Step Definitions (Any coding language is accepted)

- Deadline: January 15, 2021

Please provide a brief explanation of the test infrastructure you established as a resulting report.

Scenario

- Login
- Select first item link
- Add item to the shopping cart
- Proceed shopping cart page
- Check the item on that list is correct
- Proceed to checkout
- Complete and Logout

```gherkin
@Login
Feature: Login functionality
    As a standard user of Saucedemo
   💡I want to login
    @Login @smoke
Scenario: Login Successful
    Given I am on the Login Page of Sauce demo
    When I enter valid username and password
    Then I should be taken to Inventory Page
```

```java
 6    import org.openqa.selenium.WebElement;
 7    import org.openqa.selenium.chrome.ChromeDriver;
 8
 9    import java.util.List;
10
11    public class TestSteps {
12
13            WebDriver driver;
14
15            @Given("I am on the Login Page of Sauce demo")
16            public void i_am_on_the_login_page_of_saucedemo (){
17                System.setProperty("webdriver.chrome.driver", ".\\resources\\chromedriver.exe");
18                driver = new ChromeDriver();
19                driver.manage().window().maximize();
20                driver.get("https://www.saucedemo.com/index.html");
21                throw new io.cucumber.java.PendingException();
22            }
23            @When("I enter valid username and password")
24            public void i_enter_valid_username_and_password (){
25                WebElement userNameTextBox = driver.findElement(By.id("user-name"));
26                userNameTextBox.sendKeys( …charSequences: "standard_user");
27                WebElement passwordTextBox = driver.findElement(By.id("password"));
28                passwordTextBox.sendKeys( …charSequences: "secret_sauce");
29                WebElement loginButton = driver.findElement(By.id("login-button"));
30                loginButton.click();
31                throw new io.cucumber.java.PendingException();
32            }
33            @Then("I should be taken to Inventory Page")
34            public void i_should_be_taken_to_inventory_page (){
35                List<WebElement> products =  driver.findElements(By.className("inventory_item_name"));
36                throw new io.cucumber.java.PendingException();
37            }
38        }
```