The objective of this version of the mock project is to make you practice Cucumber and BDD, in this version you will create a Full Selenium Cucumber Framework for the same test cases you have created in the first version of testing the Tricentis Demo Web Shop.

You are requested to use the below Framework Structure, Tools, and Technologies:

Cucumber
Page object Model
Maven
TestNG

General Instructions:

- Create a Maven Project and add all the dependencies you will need for delivering this project.

- Create a class for every page of the website and include all the web elements of this page in this class “Page Object Model”

- Create Feature file for every feature you will test and **retrieve all the data needed from the perspective feature file and create a corresponding step definition for every feature.**

- Make sure to reuse the scenario steps and make it generic as much as possible to use in all the possible scenarios.

- The Framework should be easy to switch from a browser to another mainly Chrome and Edge.

- Some Test cases will be labeled as either Regression or Smoke, make sure to use cucumber Tags, so that it is possible to run only a specific group at a time.

- A screenshot should be taken on failure.

- Generate a HTML report using pretty plugin

- Logout after every Test case and close the browser.

-When applying waits, use only Dynamic waits (Implicit wait, Explicit wait, or fluent wait), static wait (Thread Sleep) is not allowed.

- Make Sure to include (Tags, Hooks, Background, DataTable, Scenario Outline, Examples, and dependency injection) in your framework

- Before seeking help from others, try to make use of Cucumber documentation in the link below:

Cucumber - Cucumber Documentation

Test Cases:

The URL of the Website is Demo Web Shop (tricentis.com)

1- Test Registering a new 3 customers, 3 with a valid email – You can use any random data- but retrieve this data from the feature file using **Scenario Outline and Examples.** "Smoke"
2- Test registering an already existing customer – Use same data you used in registering a new customer-. Use **DataTable** "Regression".
3- Test logging in with a valid username and a valid password.„Smoke"
4- Test logging in with a valid username and an invalid password. „Regression"
5- Test logging in with an invalid username. „Regression"
6- After logging in add a new product to cart and verify that it was added successfully. „Smoke"
7- Add discount code "**AutomationDiscount2**" and verify that it gives 20% discount. " Regression"
8- Create a test case to verify that "Terms of service" is mandatory and it is not possible to checkout before agreeing to the Terms of Service by checking the checkbox. "Regression"
9- Create a test case to verify that after proceeding to the checking out process it is not possible to proceed without filling the mandatory data in the Billing Address "Regression"
10- Create one End to End Scenario to login and then navigate to (Computers > Desktops) add the "Simple Computer" to the shopping card and then checkout and verify that the order has been successfully processed. "Smoke"

    Use the below credit card details to be able to proceed with the checking out.

    Credit card details:

    -Select Credit Card: Visa

    - Cardholder name: Barbara Gordon

    - Card number: 4485564059489345

    - Expiration date Month: 04

    -Expiration date Year: 2022

    - Card code: 123.

    Note: All the data including the Product name to be retrieved from the feature file as stated above.