QA Technical Test

For the purpose of this exercise we will be using Modulr's Customer Sandbox as an example which can be found here: https://secure-sandbox.modulrfinance.com/

You can sign up for a sandbox account if it helps you work through the exercise by going to: https://secure-sandbox.modulrfinance.com/sandbox/onboarding

This exercise will not be used to eliminate candidates from the process but instead will be used as a discussion point in the next phase of the recruitment process.

1. In this exercise we would like you to produce Scenarios written in Gherkin format as if you were writing the scenarios to automate with cucumber. Using the below Story as a source of acceptance criteria.

User Story

As a Modulr customer user
I want to be able to login successfully to the Modulr Customer Portal
So that I can manage my Modulr accounts

Background

Modulr customers need to be able to login securely to our customer portal in order to take various actions against their Modulr accounts such as create payments, create and manage rules etc.

To ensure this is done in a secure fashion customer must be able to provide a username and password. The password must meet a standard that ensures it is not easily found out and we must manage incorrect passwords correctly so the customer is aware but the error must not give away too much detail for example telling the user specifically the password is incorrect or the username is incorrect as this could aid users with malicious intent.

Acceptance Criteria

- Username and Password are both required fields, if either field is empty then an adequate error message should be shown.
- Incorrect Username or Password should show an adequate error message but not leading. There should also be an adequate warning that multiple failures will lead to the user being locked.
- Successful login should take the user to the account overview page.
- The sign in button should be disabled while trying to login to prevent duplicate requests being triggered.
- The user should have the ability to reset their password should they be unable to remember their password which should take them to a screen that allows them to request a reset password email.

2. In this exercise we would like you to take a couple steps from the first part of the exercise and create the example step definitions. Preferably this would be done in Java utilising Selenium please avoid using record and playback tools, otherwise pseudocode to demonstrate logic used.

3. In this exercise we would like you to utilise our sandbox to get an idea of the API calls made as part of the login functionality and share details of what you find. For example what calls are made, what payloads are used and what the responses look like. Mention how you went about finding this information out