You are required to develop a Bank Finlease Application:

- data stored in an H2 database
- use a micro service approach so that the development done can be reused by other application and should be secured, maintainable and scalable.
- upload your final work together with the unit tests on GIT
- use of tech stack:
    - angular 11+
    - Java 12+
    - Spring Boot
    - Camunda to design the flow and application (desirable)
- Marks will be allocated to your design and implementation skills, coding practic, UX/UI of interfaces developed and use of micro-service approach.

Part A: Finlease Application Screen

You are required to build a Finlease Application, so that bank officer can take input of applications as shown in Figure 1 below and assume all fields are mandatory.
The information required is:

- A login page taking user and password:
    - Have the user information in a DB
    - User table contains id, username, user name, user BU information.
- You need to create a new reference id, which has key FLAYYMMDDXXXXXX where XXXXXXX is a index
- Created By userid of user login creating the reference
- Created Time is the timestamp
- BU is the business unit of the user login
- Proposed Account Officer – Account Officer for Customer
- The drop down (I or we) and the next field is the customer name

wish to apply for leasing facilities within the MCB Group for the purpose of acquiring a vehicle as per description below:

    This will be saved and used on the printing function
- Bank Details:
    - Customer number a unique number of customer
    - Customer Account a 12 digit account number
    - Phone number
- Description of Asset to be leased:
    - Make
    - Model
    - Delivery Date
    - Purpose
- Proposed Cash Flow
    - Amounts list input by user
    - Lease Type drop-down
        - Standard
        - Setup Plan
- Proposer
    - User ID/Business unit – ID and corresponding business unit of user

Note as a UI/UX designer for this form you can improve the UX interface to provide a better and modern look and feel experience.

Figure 1: Finlease Programme

Once an application is submitted, the bank officer can view list of applications and open each application as per screen of Figure 2, containing application details and put the decision to the application: Approved, Declined.

You need to provide a list view of all applications and develop Figure 2 for bank officers as well.

Figure 2: Finlease Approver Screen

Part B: Finlease Application Reports

Provide a list of Finlease applications made by all users. You can filter applications by users, BU, and dates and BU and list appears in a table with the following fields and can be exported to excel providing the following columns:
- Created by
- Created Time
- Finlease Application Reference Number
- User ID
- User-name
- Business Unit
- Customer Number
- Customer Name
- Activity Number
- Amount
- Lease Amount
- Decision
- Application Status
- Submitted time of application - format MM/DD/YYYY HHMISS
- Exit time of application by Approver - format MM/DD/YYYY HHMISS
- Audit Exit Times of Application (time taken from application created to approval) provided in the format MM/DD/YYYY HHMISS e.g. 3/13/2020 11:58:15 AM

Additional Instructions:
- You can use the customer.json to populate fields for customer
- Build a similar employee.json for employees taking userid, username, employee name, employee BU code.
- Provide necessary fields validations
- Bring any additional enhancements as required.