**Online Bank Management Application**

**Tools and Technologies**

* Frameworks: Spring boot, Spring Data, Spring security, Docker
* Technology/Domain: Java
* Database: H2

**Objective of Bank Management application**

MyChoiceBank bank is a major Indian bank but still at some banking process are manual. MyChoiceBank decided to automate some manual processes that can help bankers and customers.

The propose banking management system is a web application to manage bank activities. Where we can manage the Admin,bank employees and Transection histories,It is an inhouse application to managing accounting of many customers.

**There are Two types of actors in the application. Bank Manager, Bank Employee**

**Bank Manager:**

Manager is the root user of the application. The is the admin of the application

**He/she can do following activities:**

* The manager can ADD/EDIT/UPDATE bank accounts to the bank.
* manager can ADD/EDIT/UPDATE bank employee
* Bank manager authorized an bank employee (clerk) to do bank transactions
* Bank manager will manage all the online payment logs.
* When a new user will be added to the bank. A unique account number will generate automatically for the customer that the user will use during the transactions.

**Bank Employee clerk:**

* The bank employee can do transactions as per the customer’s request.
* He/she can transfer fund, deposit amount, withdraw amount for an customer
* He can print customer transaction details on customer passbook

**Instruction:**

* **Follow MVC architecture and other design patterns**
* **Apply security to the application as per activity allowed to manager and clerk**
* **Create docker image of your application and deploy to your docker hub account**
* **Now pull it on your local machine and run it**
* **If possible please share snapshot of rest api call in a pdf formate with the code so that we can evaluate code.**