

# Bank Application

29<sup>th</sup> February 2020

## OVERVIEW

As for my LUT's object oriented programming course project I will do a mobile bank application. The bank application is going to run on the latest Android mobile phones. Supported Android versions are decided later. The implementation will be coded with Java programming language and with object oriented design. Android Studio is the choice of the IDE. Project documentation and source code will be stored to Github account <https://github.com/ilejok>. The assignment and requirements can be found [here](#).

## GOALS

1. To have a minimum viable product (MVP) which fulfills the mandatory requirements of the project.
2. The Application will have multiple users and utilize relational database.

## SPECIFICATIONS

The specifications for the MVP are following:

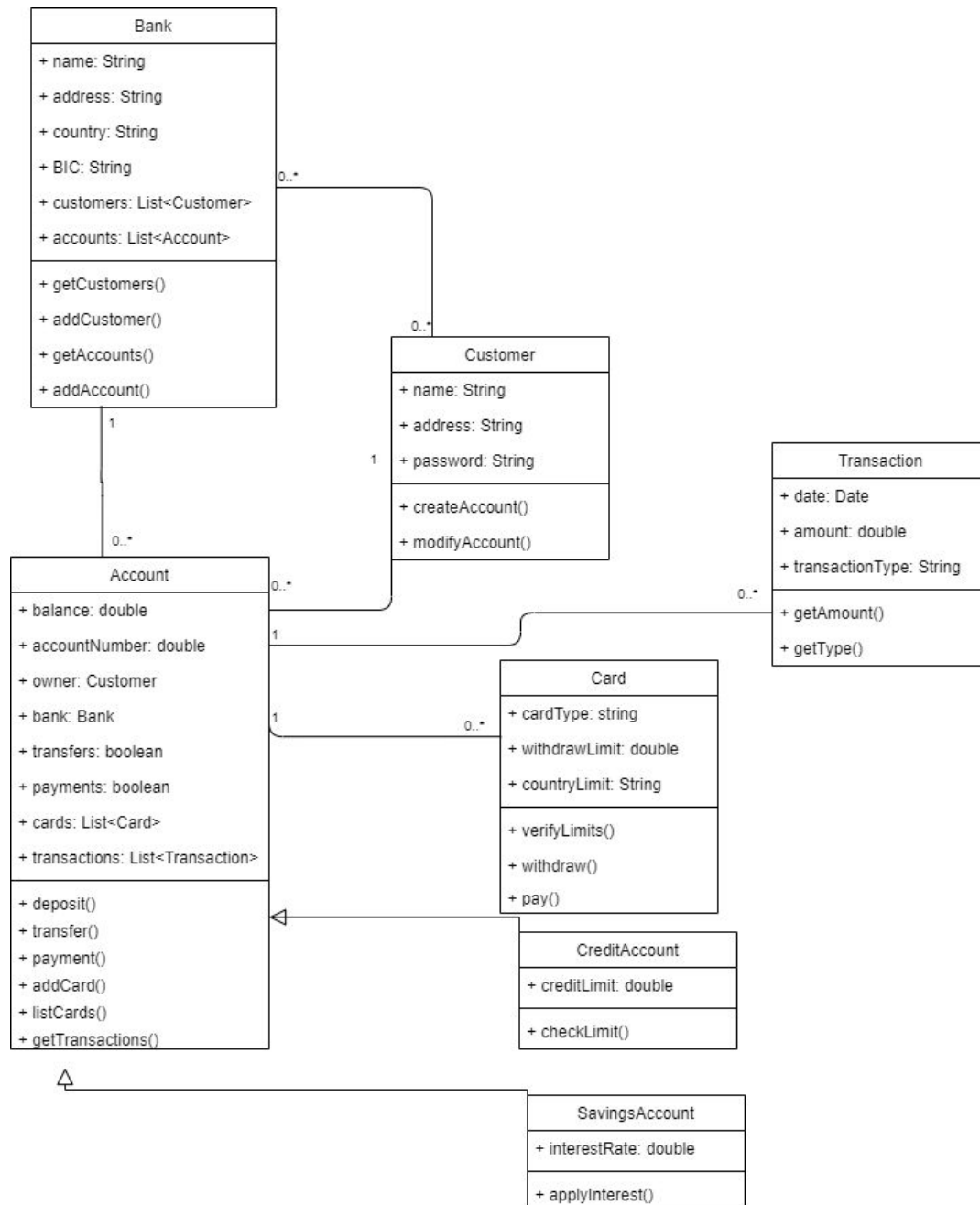
- Users are able to create multiple accounts.
- Users are able to modify his/her account details and the type of the account.
- Users can add debit or credit cards for the accounts.
- Users can withdraw and deposit money from/to account.
- Users can view the balance and effecting transactions.
- Users, accounts and transactions are written to CSV files.

My specifications (added to MVP) for the second goal are following:

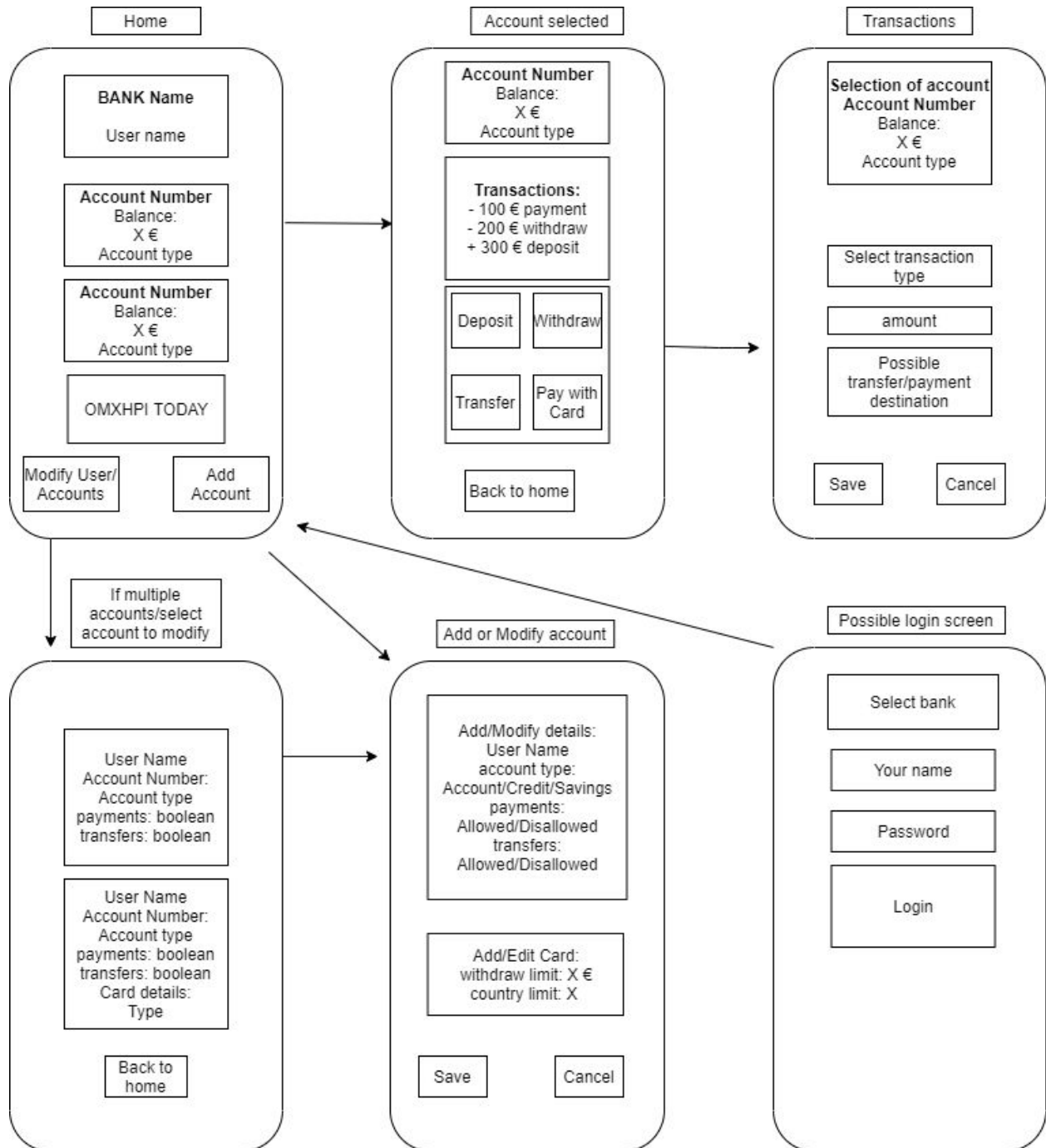
- Multiple banks.
- Users need to log in for the application.
- Users, accounts, transactions, banks are stored in a relational database (PostgreSQL).
- Transactions between users.

- Card withdrawals and payments.
- Country and payment limits to cards
- OMXHPI or similar index displayed for the users.

The preliminary UML class diagram (subject to change):



The preliminary design of the user interface/flow (heavily subject to change):



## MILESTONES

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## **Establish repository to Github**

Start the project and establish a repository with documentation to Github account

<https://github.com/ilejok>.

## **MVP**

Release the MVP for user acceptance testing.

## **Add Features to reach second goal**

Reach for the second goal and modify the application according to feedback from acceptance testing.

## **Return the Project**

Deadline for the project is 1.5.2020. Application will be returned before that to the stakeholders.