

## **Banking App – PFM Team 5**

Welcome to our Banking App! Please read this document carefully to understand some important points to help smoothen your experience.

### **Code:**

When you run the application (in the Interface class), you will be presented with a welcome screen, with options to sign up, login or exit. This allows you to create an account and later login to be able to make transactions, modify account details and look at your transaction history.

### **Text Files:**

The userdata.txt file shows information related to user details. More specifically, the columns include (from left to right): the First Name, Last Name, Username, Password, User ID, and User type of every account.

The bankaccounts.txt file shows information related to the bank accounts. More specifically, the columns include (from left to right): IBAN, Bank ID, Balance and User ID.

The transactions.txt file shows the transactions. More specifically, the columns include (from left to right): Date, from IBAN, to IBAN, and Amount for every transaction.

### **Assumptions/points to note:**

- One of the assumptions is that the user knows the correct IBAN details of accounts they wish to transfer money to on the app (Other IBANs can be found in bankaccounts.txt file).
- The userID is generated based on the total number of accounts in the list, and is created so that there cannot be two ID's rather than that they all come one after the other.
- The bank employee is the admin, who can change first name, last name, username, and password of every account holder. The user can change first name, last name, and password.
- A user can only have one bank account with corresponding IBAN.
- A user can transfer funds to other IBANs. But there is no way to verify whether the money has reached the destination when transferring to IBAN outside of our bank
- A bank employee cannot and will not also sign up as an account holder.
- Bank employees are assumed to already have an account and cannot create another bank employee account.
- A user cannot deposit, withdraw or transfer a negative amount of money.
- When a client's account (for the app) is deleted by a bank employee, the bank account of that client is not deleted (i.e. that client's bank account details and transaction history is still visible). That is, the client's account in the app is merely deleted, while the client's actual bank account stays active/open. This is due to the possibility of there still being money in the account.