

Use Case diagram

This use case diagram shows the relationship between the customer and admin within the banking system

The boundaries of this use case diagram are Banking System as it shows the use cases performed inside a banking system.

As an Admin, we can Open a new account for a customer (There are two different types of Accounts: Current and Saving account), Managing the Account of the Customer which include Adding a new account to existing customer or deleting an existing for a customer, Transfer money from one account to another, Viewing Customer details including username, address and Account details and withdraw or deposit fund for a customer.

As a customer, we can Open our new Account, view our own customer details including Address, username and password, withdraw and deposit fund from account.

Use Case Diagram

Showing the relationship between the customer and admin within the banking system



Flow Chart

The banking system program made is shown in the flow chart diagram:

This flow chart starts with asking for username to login if the username is not valid it will ask for the username again until its correct after the username is correct it will ask for a password if the password is correct, it will ask for the password and username again. After that if the password and username are correct it will process if the person is a customer or admin.

If it's a customer there will be display of three options: view account, view summary and quit.

View account will show all of the customer account and ask for customer to select account after the account is selected. There will be display of account balance and give three option deposit, withdraw funds and go back. Deposit and withdraw as name suggest will deposit or withdraw funds from selected account and go back will take you back to the customer display options.

View summary will give the customer detail with address and account details.

Quit will quit the program.

If it's an admin there will be display of four options: customer summary, financial forecast, transfer money and account management.

Customer summary will give the customer details of all customer with address and accounts.

Financial forecast will give the total money in the account, total money after one year and address for each customer.

Transfer money will give a transfer window where you can fill the (from and to) usernames, (from and to) account numbers and amount and then it will transfer the money but if there is invalid information it quit the program.

Account management will give you a window where you will fill the username then you can add or delete account for that username. you can delete the account by filling the account number and add the account by filling the account details like account type, balance and overdraft limit or interest rate.

If there is any invalid option selected or there is invalid input it will quit the program.

