**BANK MANAGEMENT SYSTEM ALGORITHM**

* made up of four users
* Welcome message is configured to all users
* Each user login into his account
* If any user inputs wrong login details 3 times, the program terminates it self

**CUSTOMER**

1. Enters his user name and pin
2. Customer interphase opens
3. Chooses given transaction of:

* Balance inquiry
* Top up
* Reporting a Problem
* Feed back

**Balance Inquiry**

* User checks his or her balance from his account
* After reviewing the user is given the option to quit or continue using the program

**Top Up**

* The user buys airtime from his/her account
* The user is told to enter his/her mobile number
* The user is also told to enter the amount of airtime to be bought
* The program shows the current balance from the customer’s account after successful buying of airtime
* The user is given an option to quit the program

**Reporting a problem**

* The user reports his/her related problems about the account or if the user wants to ask some information about the related bank i.e. NBM

**Feed Back**

* The user is responded by either manager or teller about the user’s problem and other confirmations during transaction

**TELLER**

1. Made up of two users
2. Each user logins his/her account by entering their pin
3. Four other options are given after successful entering their login details
4. The options are:

* Depositing money
* Receiving their salaries from manager
* Confirming customer’s transactions
* Look all transactions made by the customer

**Depositing Money**

* The teller deposits/transfers customers cash into their account
* If the cash has been successfully sent, a message/feedback is given to the customer

**Receiving Their Monthly Salary from The Manager**

1. The tellers are given their monthly salary directly from their account
2. The cash is then accessible by them

**Customer Confirmation**

1. The teller confirms the top up transaction from the customer
2. The confirmation is given to the customer at the feedback transaction

**Gazing Customer Transactions**

The teller see’s all transactions made by the customer and changes if some errors have been occurred

**REGISTRAR**

* Only one registrar is made on the program
* The user logins into his/her account
* Two other options are given after successful entering correct details
* The options are:
* Registering customers
* Viewing Registered customers

**Registering Customers**

* Account holders are registered in this site
* Three databases are made which are database 1, 2 and 3
* Each customer is registered in his/her own database meaning that the bank only support three user account holders only due to some other vital reason

**Viewing Registered Account Holders**

* The user sees all the customers registered in the program
* Updating registrant’s details is available only by accessing the database in a text file

**MANAGER**

* One manager
* Logins his/her account details
* Has also some account options
* These are:
* Receiving Customers problem
* Responding Customers problem
  + Sending money to the teller and registrar
* Seeing all transactions made by the customer, teller and registrar

**Receiving and Responding Customers problems**

1. The manager receives any info and problems to the customers
2. The user now responds that related problem to the customer

**Sending monthly salary to teller and registrar**

* The manager always sends teller’s salary as well as registrar and is transferred to their accounts

**Seeing all transactions made by customer, teller and registrar**

The manager is able to see all transactions made by overall users