

# **BANKING SYSTEM IN C++**

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**Project report:Banking system in C++**

## **INTRODUCTION**

- This programme in C++ facilitate the operations which can be performed by the bank personnel such as: Adding new customer account, edit existing customer account, list all customer details including their account number, able to generate daily and monthly business transactions report etc.
- Its user friendly graphical mode will made its users to work with this new system in more interactive way.

## **Objective:**

- The main objective of this banking system which is developed in c++ is to provide a flexible solutions for banking industry.
- With this system both type of users such as bank customers and working personnel of the particular bank will find easy to use and able to perform all their operations using this system.
- This system enable its users to open and close the bank account. Customers will able to withdraw and deposit amount to their particular account.
- It will also able to generate transactions on money for particular customer account.

## **DESIGN**

### **Banking**

1. New account

C:\Users\Administrator\OneDrive\Desktop\c++ project\complete Banking system.exe

Enter your M-Pesa PIN to open the bank account: 2024  
Bank account opened successfully!  
Welcome to Samsackson Banking system

Enter Account Number: 23456787654  
Enter Account Holder Name: Muriithi  
Enter Initial Balance: 534000  
Account created successfully.

List of Accounts:

Enter Account Number to Edit: 657864538796  
Enter initial balance: ksh5000000

ATM Menu:

1. Check Balance  
2. Deposit  
3. Withdraw  
4. Exit

Enter your choice: 1  
Your balance is: ksh5e+006

ATM Menu:

1. Check Balance  
2. Deposit  
3. Withdraw  
4. Exit

Enter your choice: 2  
Enter amount to deposit: ksh1200000  
ksh1.2e+006 has been deposited.

ATM Menu:

1. Check Balance  
2. Deposit  
3. Withdraw  
4. Exit

Enter your choice: 1  
Your balance is: ksh6.2e+006

ATM Menu:

1. Check Balance  
2. Deposit  
3. Withdraw  
4. Exit

2. List account
3. Daily transitions
4. Monthly report
5. Edit account
6. Exit

C:\Users\Administrator\OneDrive\Desktop\c++ project\complete Banking system.exe

1. Check Balance  
2. Deposit  
3. Withdraw  
4. Exit

Enter your choice: 2  
Enter amount to deposit: ksh1200000  
ksh1.2e+006 has been deposited.

ATM Menu:

1. Check Balance  
2. Deposit  
3. Withdraw  
4. Exit

Enter your choice: 1  
Your balance is: ksh6.2e+006

ATM Menu:

1. Check Balance  
2. Deposit  
3. Withdraw  
4. Exit

Enter your choice: 3  
Enter amount to withdraw: ksh500000  
ksh500000 has been withdrawn.

ATM Menu:

1. Check Balance  
2. Deposit  
3. Withdraw  
4. Exit

Enter your choice: 1  
Your balance is: ksh5.7e+006

ATM Menu:

1. Check Balance  
2. Deposit  
3. Withdraw  
4. Exit

Enter your choice: 4  
Thank you for using Samsackson Banking system. Goodbye!

Process returned 0 execution time : 210.416 s  
Press any key to continue.

### **Implementation**

- To perform operations such as adding customers account, a particular form will be appear under all fields should be entered correctly.
- If there will be any error while entering the data, system will not accept those values and its data will not be saved in the file.
- . Under this system, users are not able to generate transactions statement and this system was not developed in such a way that it can be used by their customers also.
- Under existing system, the concepts of graphics was not implemented and thus all processing was done by entering certain command which cannot be used by the end users and proper training given to the working personnel of the particular bank.

### **Conclusion**

- This new system has the potential to perform all the activities which are required to make a successful bank.
- This interactive system will able to provide customers all the information just by single click.
- Even working personnel will also able to make their query and able generate results as per their requirement.
- This new system has unique authentication and validation which will identify the type of users and as per that, it will provide particular working screen for particular users by which confidentiality can be maintained and do not get prone to any errors