Delhi Technological University

Department Of Software Engineering
FINAL MID-TERM EVALUATION PRESENTATION
ON
BANKING MANAGEMENT SYSTEM WITH C++ AND MYSQL DATABASE
COURSE: DATABASE MANAGEMENT SYSTEM
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Abstract

The bank management system project is a program that keeps track of a client's bank account. This project demonstrates the operation of a banking account system and covers the essential functions of bank management software. It develops a project for resolving a customer's financial applications in a banking environment to meet the needs of an end banking user by providing multiple ways to complete banking chores. Additionally, this project is to provide additional features to the user's workspace that are not available in a traditional banking project. The project's bank management system is built on cutting-edge technologies. This project's main goal is to create software for a bank account management system. This project was designed to make it simple and quick to complete previously impossible processes with manual systems which are now possible with this software.

Project objectives

The goal of the bank management system project is to create an organic and optimal software of interaction between the various banking components. The implementation of competent bank management procedures is significantly responsible for the successful optimization of the bank's productivity and activities.

The project's main goal is to create a banking system connected to MYSQL database for banks. This will ensure proper organization of the customers' accounts information and their daily transactions as well as some other bank related activities.

Bank Management System in C++ and MySQL Description

The Basic Bank Management System is a simple console program that allows you to access all of the system's features by entering the system password. The user has several options in the system, including creating new client accounts, depositing money, withdrawing cash, and changing account information. The system will offer the customers with the tools they need to manage their bank accounts. The data will be saved as a data file extension by the system.

What is Bank Management System in C++ and MySQL

About the system

- In C++, this is a project for a Bank Management System. To manage customer bank data, a user can do a variety of management actions, such as adding a new account, altering it, and closing it. Users can also view all customer accounts, check account balances, and deposit and withdraw funds from their accounts.

- The system automates basic banking functions to aid a bank clerk's day-to-day operations. Additionally, the system's purpose is to allow for the storage of information for a large number of client accounts, as well as the ability to add, retrieve, and edit information for any account.

Bank management system's Modules

For admin Module:

1. This system allows the admin to login with username and password
2. This system allows the admin to add a Bank branch details
3. This system allows the admin to accept or reject a manager/customer
4. This system allows the admin to approve or reject customer transaction request
5. This system allows the admin to View Managers & Customers details

For Manager Module:

1. This system allows the manager to register
2. 2. This system allows the manager to login with email and password
3. 3. This system allows the manager to accept/reject branch customers
4. 4. This system allows the manager to view customer transactions

Bank management system

For Manager Module:

5. This system allows the manager to update personal information

6. This system allows the manager to reset password if password is forgotten

7. This system allows the manager to Register New Customer.

For Customer Module:

1. This system allows the customer to login with email and password

2. This system allows the customer to update personal details

3. This system allows the customer to reset password if password is forgotten

4. This system allows the customer to view his/her account balance

5. This system allows the customer to transfer money from his account to another account

6. This system allows the customer to recover password

7. This system allows the customer to change password

8. This system allows the customer to delete profile

Features of Bank Management System Project in C++ and MySQL Database

- **Add Account Module** – When a new account needs to be added to the system, this activity is required. When a customer establishes a new account, for example, the customer's information is entered into the bank's account records. This option only accepts one parameter: the account holder's name.

- **View Account Module** – Display all of the accessible clients accounts from the bank management system's database records.

- **Deposit Amount Module** – In this module, the user can also deposit money by just supplying his or her account number, after which the system will display his or her profile and allow the user to enter a quantity.

- **Withdraw Amount Module** – The user can withdraw money in this module by simply entering his or her account number, following which the system will display his or her profile and prompt the user to choose a quantity.

- **Balance Inquiry Module** – In this module, The user can also conduct a balance query, which reveals the account holder's name, account number type, and balance amount.

- **All Account Holder List Module** – The user can also look for a list of all account holders.

- **Close an Account Module** – In this module, The user can also close their account by supplying their account number, as well as change their account information and type if desired.

- **Modify an Account Module** – In this module the user can also modify their account information etc.

Result/output

Advantages of the system

- The system enables Bank to find out the particular Account.

- This system also helps to know about the deposit and withdraw amount for particular person.

- This system has feature to search customer record by two option one is account number and second is by customer name and also feature to update, delete account.

- Customers' bank accounts details are recorded and stored in the database

- Reduction of errors and viruses due to non-requirement of the internet.

- This system has feature to see the account detail according to date.

- Updating of data is easy in computerized system.

Conclusion

We have successfully developed a bank management system in C++ and MYSQL database. This Bank Management System Project allows you to save your money in a detailed account. By entering Name, Amount, Account No, and other information, the system can organize your transaction list. The system's goal is to efficiently arrange bank account management.