VNRVJIET 2nd Year CSE Course Project

**BANK MANAGEMENT SYSTEM**

**Project Description:**

The bank management system is an application for opening and maintaining a person’s account in a bank. The system provides the customer with the following features:

1. Create an account
2. Delete an account
3. Deposit
4. Withdraw
5. Balance enquiry
6. Update the existing account
7. View reports of all accounts present.

This project is developed to cater to the needs of a user in banking sector by integrating some of the critical and monotonous tasks involved in carrying out banking services.

**Concepts Used:**

1. The program uses classes and objects. We first define a class called account. In the private section of the class we have defined variables like account no., name of the account holder, type of account.
2. We have used member functions for performing client account related operations like
   1. Create\_account();
   2. Show\_account();
   3. Modify\_account();
   4. Deposit\_account();
   5. Withdraw\_account();
   6. Report\_account();
3. To access the member functions outside the class we used the concept of **scope resolution operator**.
4. A **file** is a datatype which is used to store the data permanently. Here we used **files** concept so that the details of the account holder are saved permanently even after the execution time.
5. **Fstream** is a header file which includes both **ofstream** and **ifstream** to **write** data into the file and **read** data from a file.
6. We used the concept of **constructors** to initialize the minimum balance of an account.
7. For the deposit and withdraw function we have used the concept of **polymorphism**.
   * 1. If the user selects option 1 - deposit function is called.
     2. If the user selects option 2 - withdraw function is called.

**MODULE DESCRIPTION-**

1. Create account - Opens a new account for the user by accepting input such as account number, name of the account holder, type of account, etc.,
2. Delete account - Deletes the account from the record.
3. Deposit amount - Provides option to deposit amount from the given account number.
4. Withdraw amount - Provides option to withdraw amount from the given account number.
5. Mini statement - Enables to search for the details of the given account number, displays only one account details at a time.
6. Report - Enables to search for the details of the given account number, displays only one account details at a time.

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