**Project Summary: Bank Management System in C++**

The Bank Management System is a console-based application developed in C++ that simulates the essential functionalities of a bank. The system allows users to manage bank accounts by performing operations such as creating new accounts, depositing and withdrawing funds, checking balances, modifying account details, and deleting accounts.

**Key Features:**

1. **Account Creation**: Users can create a new bank account by providing an account number, the name of the account holder, and an initial deposit. The system enforces minimum deposit amounts for different types of accounts.
2. **Deposit Funds**: This feature allows users to add money to an existing account. The deposited amount is added to the current balance of the account.
3. **Withdraw Funds**: Users can withdraw money from their account, provided the balance is sufficient to cover the withdrawal amount. The system checks for sufficient funds before completing the transaction.
4. **Balance Enquiry**: Users can check the balance of a specific account by entering the account number. The system retrieves and displays the current balance along with the account details.
5. **Modify Account**: This feature allows users to update account information, such as the account holder's name and balance. The account number remains unchanged.
6. **Delete Account**: Users can remove an account from the system by providing the account number. The system permanently deletes the account record.
7. **Display All Accounts**: The system can list all existing accounts with their respective account numbers, account holder names, and balances. This feature is useful for viewing a summary of all account holders.

**Implementation Details:**

* **File Handling**: The system uses binary file handling to store and retrieve account data. Each account is stored as a record in a binary file (account.dat), enabling persistent storage of account information.
* **Class-Based Design**: The application is built around a single class, Account, which encapsulates all the properties and methods needed to manage individual bank accounts.
* **Menu-Driven Interface**: The application features a simple, text-based menu that allows users to navigate and select different operations easily. The interface is designed to be user-friendly, with clear prompts and options.

**Applications:**

* **Educational Purposes**: This project serves as an excellent learning tool for students and beginners who want to understand the basics of C++ programming, file handling, and object-oriented design.
* **Small-Scale Banking Operations**: Though simplistic, the system could be adapted for use in small organizations or groups that need to manage simple financial records.

This project offers a practical introduction to file handling, classes, and basic banking operations, providing a foundation for more complex system development in C++.