# Bank Account Management System in C++

## Overview

The Bank Account Management System is a command-line application developed in C++ to simulate the core functionalities of a simple banking system. It allows users to create and manage up to five bank accounts with basic operations like deposit, withdrawal, account inquiry, modification, and deletion.

## Key Features

* New Account Creation: Users can register an account by providing personal details like name, address, account type, and an initial deposit.
* Deposits and Withdrawals: Funds can be deposited or withdrawn, with real-time balance updates and checks for sufficient funds.
* Account Inquiry: Users can check their account details including name, address, type, and current balance.
* Account Modification: Account holder details and account type can be updated.
* Account Deletion: Accounts can be securely removed, resetting all associated data.
* Account Search: Users must input their account number for verification before any transaction.
* Display All Accounts: View all existing account details in one go (up to a maximum of 5).

## Technical Highlights

* Uses structures to represent individual accounts.
* Implements OOP concepts like constructors and member functions.
* Employs arrays to store a fixed number of account records.
* Console-based UI with interactive menu options using switch-case.
* Utilizes basic fileless memory storage, making it lightweight and fast for demonstration purposes.

## Conclusion

This project effectively demonstrates the use of core C++ programming constructs to build a basic yet functional banking system simulation suitable for academic learning or demonstration of OOP concepts.