Banking Problem Statement:

You are tasked with building a simple banking system that allows customers to interact with their bank accounts. The application should be capable of handling multiple customers and multiple accounts, providing a realistic simulation of basic banking services.

Functional Requirements:

Account Creation:

Accept customer's name and initial deposit.

Auto-generate a unique account number.

Store the account in a collection (e.g., ArrayList).

Deposit:

Allow users to deposit money into their account.

Validate account number and amount.

Withdraw:

Allow users to withdraw money.

Ensure the account has sufficient balance before withdrawal.

Check Balance:

Display current balance for a given account number.

Account Details:

Show account holder's name, account number, and current balance.

Money Transfer:

Transfer money from one account to another.

Validate both account numbers and ensure sufficient balance.

Exit:

Exit the program gracefully.

Technical Requirements:

Use Object-Oriented Programming concepts:

Classes, Objects, Inheritance (if needed), Encapsulation.

Use Core Java only (no external frameworks).

Use Collections (like ArrayList) to manage accounts.

Use constructors, getters/setters, and toString() methods.

Handle exceptions (e.g., invalid input, account not found, insufficient funds).

Use a menu-driven interface in the console for user interaction.