has >

Customer - - - ▷ AccountOperations

- - - ▷ EmployeeOperations

has > Employee

Bank - - - ▷ CustomerOperations

SavingsAccount

Account

FixedAccount

ITransactions

has >

ITransactions
boolean deposit(double amount) boolean withdraw(double amount)

AccountOperations
boolean insertAccount(Account a) boolean removeAccount(Account a) Account searchAccount(int accountNumber) void showAllAccounts( )

CustomerOperations
boolean insertCustomer(Customer c) boolean removeCustomer(Customer c) Customer searchCustomer(int nid) void showAllCustomers( )

EmployeeOperations
boolean insertEmployee(Employee e) boolean removeEmployee(Employee e) Employee searchEmployee(String empId) void showAllEmployees( )

Account
int accountNumber double balance
void setAccountNumber(int accountNumber) void setBalance(double balance) int getAccountNumber( ) double getBalance( ) abstract void showInfo( )

Customer
String name int nid Account accounts[ ]
void setName(String name) void setNid(int nid) String getName( ) int getNid( )

Employee
String name String empId double salary
void setName(String name) void setEmpId(String empId) void setSalary(double salary) String getName( ) String getEmp( ) double getSalary( )

FixedAccount
int tenureYear
void setTenureYear(int tenureYear) int getTenureYear( )

SavingsAccount
double interestRate
void setInterestRate(double interestRate) double getInterestRate( )

Bank
Customer customers[ ] Employee employees[ ]

Start

The **Start** class contains the main method. Inside the main method the application prompts the user to choose among the following options:

1. Employee Management
2. Customer Management
3. Customer Account Management
4. Account Transactions
5. Exit

Upon choosing any of the option the user is given some further options to choose from:

Options for Employee Management:

1. Insert New Employee   2. Remove Existing Employee   3. Search Existing Employee   4. Show All Employees   5. Go Back

Options for Customer Management:

1. Insert New Customer   2. Remove Existing Customer   3. Search Existing Customer   4. Show All Customers   5. Go Back

Options for Customer Account Management:

1. Insert New Account   2. Remove Existing Account   3. Search Existing Account   4. Show All Accounts   5. Go Back

Options for Account Transactions:

1. Deposit Money   2. Withdraw Money   3. Show Transactions   4. Go Back

The application will prompt the user to give input for the necessary values as per the choice. The application will repeatedly go on according to the user choices.