## 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(int nid)
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. Show All Employees   4. Go Back

*Options for Customer Management:*

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

*Options for Customer Account Management:*

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

Options for Account Transactions:

    1. Deposit Money  2. Withdraw Money  3. ~~Transfer Money~~  4. Show Transactions  5. 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.