Relationship Diagram

has

Customer ----▷ AccountOperations

----▷ EmployeeOperations

Employee

has

Bank ----▷ CustomerOperations

has

Account ⇢ ITransactions

ITransactions

void deposit(double amount)
void withdraw(double amount)

AccountOperations

void insertAccount(Account a)
void removeAccount(Account a)
Account getAccount(int accountNumber)
void showAllAccounts( )

CustomerOperations

void setCustomer(Customer c)
void getCustomer(int nid)
void insertCustomer(Customer c)
void removeCustomer(Customer c)
void showAllCustomers()

EmployeeOperations

void setEmployees(Employee e)
void getEmployee(String empId)
void insertEmployee(Employee e)
void removeEmployee(Employee e)
void showAllEmployees()

Account

int accountNumber
double balance

void setAccountNumber(int
accountNumber)
void setBalance(double balance)
int getAccountNumber( )
double getBalance( )
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 empId)
void setSalary(double salary)
String getName( )
int getEmpId ( )
double getSalary( )

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. Account Transactions 4. 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 Going Back *Options for Customer Management:* 1. Insert New Customer   2. Remove Existing Customer   3. Show All Customer   4 Going Back Options for Account Transactions: 1. Deposit Money   2. Withdraw Money   3. Going 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.

Notes:
1. Here the purple box are interfaces.
2. Dotted line indicates that there is an inheritance between the classes.
3. Here transaction history should be stored in a file named "History.txt"
4. You have to do exception handling in your code.
5. All the classes will be inside one package and all other interfaces should be inside another package