Bank Application

Main

+main()

FrameBankAccount

+createAccount()
+getCustomer()
+viewCustomerProfile()
+updateCustomerProfile()
+attachChecking()
+attachSaving()
+applyLoan()
+depositChecking()
+depositSaving()
+depositLoan()
+withdrawChecking()
+withdrawSaving()
+withdawLoan()
+viewCheckingInfo()
+viewSavingInfo()
+viewLoanInfo()
+viewTransactionHistory()

CustomerManagement

-customers: Array

+register()
+queryCustomer()

Transactions

-transctionList: Array

+addTransaction()
+deleteTransation()
+getTransation()
+getTranstionHistory()

Customer

-id: int
-firstName: String
-lastName: String
-email: String
-phone: String
-address: String
-acountList: Array

+updateProfile()
+addAcoount()
+addTransation()
+addLoanApplication()
+getID()
+getName()
+getLastName()
+getFirstName()
+getEmail()
+getPhone()
+getAddress()
+getLaonApllication()
+getAccountList()
+getAcoount()
+getTransationHistory()
+getTransation
+addTransation()
+deleteTransation()

Transaction

-id: int
-type: String
-amount: double
-date: Date

+execute()
+getID()
+getType()
+getAmount()
+getDate()

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loanApplication

-applicationId
-status: String

+apply()
+approve()
+reject()
+getApplicationID

Account

-accountID: int
-balance: double

+deposit()
+withdraw()
+getID()
+getBalance()
+geatAccountID

Loan

-type: String
-rate: double

+calculateEMI()

CheckingAccount

-overdraftLimit: double
-overdraftFee: double

+processOverdraft()

SavingAccount

-interestRate: double
-withdrawLimit: double

+processInteresRate()