SE Project Team

Milestone 2 Schema

Client(<u>National_ID</u>, Name , Password , Email ,Phone_Number , Address)

Banker (<u>National_ID</u>, Name , Password , Email ,Phone_Number , Address)

Notify(<u>Cnational_ID</u>, <u>Bnational_ID</u>,Status)
Notify.Cnational_ID references Client.National_ID
Notify.Bnational_ID references Banker.National_ID

Report_Replace(<u>Cnational_ID</u>, <u>Bnational_ID</u>,issue ,Status)
Report_Replace.Cnational_ID references Client.National_ID
Report_Replace.Bnational_ID references Banker.National_ID

Admin(<u>National_ID</u>, Name , Password , Email ,Phone_Number , Address)

Report_issue(<u>Cnational_ID</u>, <u>Anational_ID</u> ,issue , status)
Report_issue.Cnational_ID references Client.National_ID
Report_issue.Anational_ID references Admin.National_ID

BankAccount(<u>AccountNumber,</u> Type, Balance,status, address,national_ID)
BankAccount.national_ID references Client.National_ID

transferMoney(<u>id</u> , date,Type, amount ,<u>firstAccountNumber</u>, <u>secondAccountNumber</u>)
transferMoney.firstAccountNumber references BankAccount.AccountNumber
transferMoney.secondAccountNumber references BankAccount.AccountNumber

CreditCardApplication(application_ID ,type, status, Cnational_ID, Bnational_ID)
CreditCardApplication.Cnational_ID references Client.National_ID
CreditCardApplication.Bnational_ID references Banker.National_ID

LoanApplication(application ID , status,loanType ,amount , Cnational_ID, Bnational_ID)
LoanApplication.Cnational_ID references Client.National_ID
LoanApplication.Bnational_ID references Banker.National_ID

CreditCard(Card Number, CardBrand, type, CVV ,expiryDate , Balance,points , national_ID)
CreditCard.national_ID references Client.National_ID

Loan(LoanID ,Amount, interest, dueDate, type, national_ID)
Loan.national_ID references Client.National_ID

Bill(ID , amount,beneficiary, dueDate, type ,reminder ,status,national_ID)
 Bill.national_ID references Client.National_ID

PayBillByCard(ID ,CardNumber)
PayBillByCard.CardNumber references CreditCard

PayBillByBank(ID ,AccountNumber))
PayBillByBank.AccountNumber references BankAccount

CreditCardBill(ID ,CardNumber)
CreditCardBill.ID references Bill
CreditCardBill.CardNumber references CreditCard

LoanBill(ID ,LoanID)
LoanBill.ID references Bill
LoanBill.LoanID references Loan

householdBill(ID)
householdBill.ID references Bill

Transactions(ID , amount , date , details)

BankAccountTransaction(ID , Account Number)
BankAccountTransaction.AccountNumber references BankAccount

CreditcardTransactions(ID , Card Number)
CreditcardTransactions.CardNumber references CreditCard