

Schema

System Users (username, password,name)

System Admin (ID,username)

SystemAdmin.username references System Users

Banker (ID,username)

Banker.username references System Users

Client (National-ID,BirthDate,Address, ForeignClient,Phone-No,username)

Client.username references System Users

Notification Preferences (ID,Type,Frequency,DeliveryMethod,National-ID)

Client.National-ID references Client

Notification (ID,Type,Date ,Message ,Status,ID-NotificationPreferences)

Notification.ID-NotificationPreferences references NotificationPreferences.ID

Technical Report (ID,Status,Description,Type,ID-SystemAdmin,Client-ID)

TechnicalReport.ID-SystemAdmin references SystemAdmin.ID

TechnicalReport.Client-ID references Client.National-ID

Bills (ID,Amount,Type,Due-Date,Status, Client-ID)

Bills.Client-ID references Client.National-ID

Requests (ID,Status, Client-ID,Banker-ID)

Request.Banker-ID references Banker

Requests.Client-ID references Client.National-ID

Open Bank Acc (ID,Type,IntialDeposit)

OpenBankAcc.ID references Requests.ID

Loan Request(ID,Amount,type,Purpose,Interest Rate)

LoanRequests.ID references Requests.ID

Credit Card Request (ID,Limit)

CreditCard.ID references Requests.ID

Loan Required Documents(name,Request-ID,DocumentLink)

LoanRequiredDocuments.Request-ID references LoanRequest.ID

Bank Account(Account-ID,Balance,Type,Status,Client-ID,Request)

BankAccount.Client-ID references Client

BankAccount.Request references OpenBankAcc

Loan(Loan-Num,amount,due-date,InterestRate,Request-ID,Client-ID)

Loan.Request-ID references LoanRequest.ID

Loan.Client-ID references Client.NATional-ID

Credit-Card(Card-No,Status,Limit,due-date,CVV,Expiry-date,Client-ID,Request)

Credit-Card.Client-ID references Client

Credit-Card.Request references Request

Points(Card-No,Point-Value,expiry-date,amount)

Points.Card-No references Credit Card

Transaction(Number,Date,Status,Amount,LargeAmount,Suspicious,Banker-ID)

Transaction.Banker-ID references Banker

Credit Card Transaction (Number,Card-No)

CreditCardTransaction.Number references Transaction

CreditCardTransaction.Card-No references Credit Card

Bank Transaction(Number,Bank-Acc)

BankTransaction.Bank-Acc references Bank Account

BankTransaction.Number references Transaction

Bank Transfer Transactions(Number)

BankTransferTransactions.Number references Transaction

Domestic (Number,BankName)

Domestic.Number references Transaction

Internal(Number)

Internal.Number references Transaction

International(Number,Swift,Country,BankName)

International.Number references Transaction

Normal Bank Transactions(Number)

NormalBankTransactions.Number references Transaction