Users (ID, username, password)

Client (fname, lname, email, phoneNo, C_ID)
Client.C_ID references Users

Banker (B_ID)
Banker.B_ID references Users

Admin (A_ID)
Admin.A_ID references users

ClientAccount (IBAN, C_ID)
ClientAccount.C_ID references Client

Transactions (ID, type, region, amount, date, A_ID)
Transactions.A_ID references Admin

CreditCardBill (ID, cardNumber)
CreditCardBill.ID references Transactions
CreditCardBill.cardNumber references CreditCard

BankTransfer (receiver IBAN, ID)
BankTransferReceiver.ID references Transactions

Bills (ID)
Bills.ID references Transactions

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

Loan (ID, dueDate, type, value, IBAN, B_ID)

Loan.IBAN references ClientAccount

Loan.B_ID references Banker

CreditCard (cardNumber, ccv, sufficientFunds, issueDate, expirationDate, points,type, IBAN, B_ID)

CreditCard.IBAN references ClientAccount

CreditCard.B_ID references Banker

NotificationsAndAnnouncements (ID, type, time, A_ID)

NotificationsAndAnnouncements.A_ID references Admin

Reminders (ID, type)

ThirdPartyApps (ID, Name)

TechnicalIssues (ID, issueDate, issueDescription)

CreditCardIssues (ID, issueDate, issueDescription)

Resolves (A_ID, ID)

Resolves.A_ID references Admin

Resolves.ID references TechnicalIssues

Reports (ID, C_ID)

Reports.ID references TechnicalIssues

Reports.C_ID references Client

Block (A_ID, IBAN)

Block.A_ID references Admin

Block.IBAN references ClientAccount

Receives (ID, C_ID)

Receives.ID references NotificationsAndAnnouncements

Receives.C_ID references Client

Monitor (B_ID, ID)

Monitor.B_ID references Banker

Monitor.ID references Transactions

Resolves2 (B_ID, ID)

Resolves.B_ID references Banker

Resolves.ID references CreditCardIssues

Reports2(ID, C_ID)

Reports.ID references CreditCardIssues

Reports.C_ID references Client

Makes (ID, IBAN)

Makes.ID references Transactions

Makes.IBAN references ClientAccount

PaidBy (ID, T_ID)

PaidBy.ID references Transactions

PaidBy.T_ID references ThirdPartyApps

Uses (IBAN, T_ID)

Uses.IBAN references ClientAccount

Uses.T_ID references ThirdPartyApps

Set (IBAN, ID)

Set.IBAN references ClientAccount

Set.ID references Reminders

Receives2 (<u>IBAN</u>, <u>ID</u>)

Receives.IBAN references ClientAccount

Receives.ID references Reminders