

Relational Schema

When a key is underlined like this it is a primary and a foreign key

User (Username, Full Name, Password, Date of Birth, Address, National ID)

Banker (Username, Job Title, Banker ID)

Banker.Username references User.Username

Admin (Username)

Admin.Username references User.Username

Client (Username, Profession)

Client.Username references User.Username

Reminder (Reminder ID, Message, Date)

Sent To (Reminder ID, Bill ID, Username)

SentTo.ReminderID references Reminder.ReminderID

SentTo.BillID references Bill.BillID

SentTo.Username references User.Username

Notification (Notification ID, Message, Date, Username)

Notification.Username references Client.Username

Loan (Loan ID, Amount, Type, isSettled, Date, Username)

Loan.Username references Client.Username

Transaction (Transaction ID, Account Number, Amount, Type, Credit Card Number, Account Number)

Transaction.Credit_Card_Number references CreditCard.

Credit_Card_Number

Transaction.Account_Number references

BankAccount.Account_Number

Credit Card (Credit Card Number, isFrozen, Billed Amount, Points, CVV, Expiry Date, isStolen, Pin, Username)

CreditCard.Username references Client.Username

Bill (Bill ID, Type, Amount, isPaid, Account Number)

Bill.Account_Number references BankAccount.Account_Number

Bank Account (Account Number, Balance, isOpen, Username)

BankAccount.Username references Client.Username

Report (Report ID, Username, Type, Date, Status, Comment)

Report.Username references Client.Username

Handles (Report ID, Username)

Handles.Username references Client.Username

Handles.ReportID references Report.ReportID

Transfer To (Account Number 1, Account Number 2, amount, transferId)

TransferTo.Account_Number_1 references

BankAccount.Account_Number

TransferTo.Account_Number_2 references

BankAccount.Account_Number