User(<u>username,</u> password)

Banker(*<u>username</u>*)
Banker.username references User

Admin(*<u>username</u>*)
Admin.username references User

Client(*<u>username,</u>* national_id, name, email, date_of_birth, phone)
Client.username references User

Bank Account(<u>IBAN,</u> open_date, balance, type, account_no, *username*)
Bank Account.username references Client

Bill(<u>bill_id,</u> due_date, type, *username)*
Bill.username references Client

Credit Card(<u>card_no,</u> name, issue_date, limit, ccv, due_date, *username*)
Credit Card.username references Client

Loan(<u>loan_id,</u> type, amount, issue_date, due_date, remaining_amount, *username)*
Loan.username references Client

Points(<u>points_id,</u> points_earned, date_earned, expiry_date, status, *username)*
Points.username references Client

Reminders(<u>reminder_id,</u> date, description)

Bank Transactions(<u>trans_id,</u> date, amount, *IBAN)*
Bank Transactions.IBAN references Bank Account

Money Transfer(*<u>trans_id,</u>* recipient_IBAN)
Money Transfer.trans_id references Bank Transactions

Internal Account(*<u>trans_id</u>*)
Internal.trans_id references Money Transfer

Domestic Account(*<u>trans_id</u>*, bank_name)
Domestic.trans_id references Money Transfer

International Account(*<u>trans_id,</u>* country)
International.trans_id references Money Transfer

Bill Payment(*<u>trans_id, bill_id</u>*)
Bill Payment.trans_id references Bank Transactions
Bill Payment.bill_id references Bills

Credit Payment(*<u>trans_id,</u> payment_type, <u>card_no</u>*)
Credit Payment.trans_id references Bank Transactions
Credit Payment.card_id references Credit Card

Loan Payment(*<u>trans_id, loan_id</u>*)
Loan Payment.trans_id references Bank Transactions
Loan Payment.loan_id references Loan

Credit Transactions(<u>trans_id,</u> amount, date, recipient_IBAN, *card_no)*
Credit Transactions.card_no references Credit Card