## Schema

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

Client(<u>id</u>, username, name, birth_date, address, phone_no, national_id, identity_proof_pdf, fingerprint_img, email, status)
*Client.username references SystemUser.username*

Banker(<u>id</u>, username, name, phone_no, email, status)
*Banker.username references SystemUser.username*

Admin(<u>id</u>, username, name, email, phone_no)
*Admin.username references SystemUser.username*

Notification(<u>id</u>, client_id, title, description)
*Notification.client_id references Client.id*

TechnicalIssue(<u>id</u>, client_id, admin_id, submission_date, resolution_date, description, status)
*TechnicalIssue.client_id references Client.id*
*TechnicalIssue.admin_id references Admin.id*

BankAccount(<u>account_no</u>, client_id, branch, creation_date, balance, status)
*BankAccount.client_id references Client.id*

BankAccountTransaction(<u>id</u>, from_account_no, to_account_no, from_note, type, amount, currency_name, status)
*BankAccountTransaction.from_account_no references BankAccount.account_no*
*BankAccountTransaction.to_account_no references BankAccount.account_no*
*BankAccountTransaction.currency_name references Currency.name*

CreditCard(<u>card_no</u>, client_id, type, creation_date, cvv, expiration_date, payment_date, points, status)
*CreditCard.client_id references Client.id*

CreditCardBill(<u>id</u>, card_no, due_amount, currency_name, due_date,  note, status)
*CreditCardBill.card_no references CreditCard.card_no*
*CreditCardBill.currency_name references Currency.name*

CreditCardBillReminder(<u>id</u>, card_no, reminder_date, note)
*CreditCardBillReminder.card_no references CreditCard.card_no*

CreditCardTransaction(<u>id</u>, card_no, amount, currency_name, merchant_name, date_time, status)
*CreditCardTransaction.card_no references CreditCard.card_no*

*CreditCardTransaction.currency_name references Currency.name*

CreditCardApplication(<u>id</u>, client_id, banker_id, card_type, submission_date, resolution_date, client_employment_status, employer_name, employer_address, employer_email, client_annual_income, proof_of_income_pdf, fee, status)
*CreditCardApplication.client_id references Client.id*
*CreditCardApplication.banker_id references Banker.id*

CreditCardApplicationHandling(<u>client_id</u>, <u>banker_id</u>)
*CreditCardApplicationHandling.client_id references Client.id*
*CreditCardApplicationHandling.banker_id references Banker.id*

Loan(<u>id</u>, client_id, type, amount, currency_name, start_date, term_amount, term_duration, terms_remaining, interest_rate, agreement_pdf, status)
*Loan.client_id references Client.id*
*Loan.currency_name references Currency.name*

LoanInstallment(<u>id</u>, loan_id, due_amount, due_date, note, status)
*LoanInstallment.loan_id references Loan.id*

LoanInstallmentReminder(<u>id</u>, loan_payment_id, reminder_date, note)
*LoanInstallmentReminder.loan_payment_id references LoanInstallment.id*

LoanApplication(<u>id</u>, client_id, banker_id, loan_type, amount, currency_name, submission_date, resolution_date, client_employment_status, employer_name, employer_address, employer_email, client_annual_income, proof_of_income_pdf, guarantee, payment_method, fee, status)
*LoanApplication.client_id references Client.id*
*LoanApplication.banker_id references Banker.id*
*LoanApplication.currency_name references Currency.name*

LoanApplicationHandling(<u>client_id</u>, <u>banker_id</u>)
*LoanApplicationHandling.client_id references Client.id*
*LoanApplicationHandling.banker_id references Banker.id*

GasWaterElecTeleBill(<u>id</u>, client_id, type, due_amount, paid_amount, currency_name, due_date, payment_method, note, status)
*GasWaterElecTeleBill.client_id references Client.id*
*GasWaterElecTeleBill.currency_name references Currency.name*

GasWaterElecTeleBillReminder(<u>id</u>, bill_id, reminder_date, note)
*GasWaterElecTeleBillReminder.bill_id references GasWaterElecTeleBill.id*

CreditCardRequest(<u>id</u>, card_no, client_request, request_reason, submission_date, resolution_date, fee, status)
*CreditCardRequest. card_no references CreditCard.card_no*

CreditCardRequestHandling(<u>client_id</u>, <u>banker_id</u>)
*CreditCardRequestHandling.client_id references Client.id*
*CreditCardRequestHandling.banker_id references Banker.id*

Currency(<u>name</u>, symbol, abbreviation, market_value)

ThirdPartyApplication(<u>id</u>, name, category, logo_img, agreement_date, agreement_pdf)

Charity(<u>id</u>, name,  account_no, category, logo_img, agreement_date, agreement_pdf)
*Charity.account_no references BankAccount.account_no*