

User(username, password, first_name, last_name, phone_no, address)

Client(username, points, sausername)

Client.username references User.username

Client.sausername references SystemAdmin.username

Banker(username)

Banker.username references User.username

SystemAdmin(username)

SystemAdmin.username references User.username

BankAccount(acc_no, acc_type, acc_balance, acc_currency,
username)

BankAccount.username references Client.username

Transaction(trans_ID, trans_date, trans_amount, trans_currency,
acc_number)

Transaction.account_number references BankAccount.acc_number

Payment(trans_ID)

Payment.trans_ID references Transaction.trans_ID

BillPayment(trans_ID, bill_name, service_name)

BillPayment.trans_ID references Transaction.trans_ID

CreditCardPayment(trans_ID, payment_type, card_number)

CreditCardPayment.trans_ID references Transaction.trans_ID

CreditCardPayment.card_number references CreditCard.number

LoanPayment(trans_ID, loan_number)

LoanPayment.trans_ID references Transaction.trans_ID

LoanPayment.loan_number references Loan.loan_number

Transfer(trans_ID)

Transfer.trans_ID references Transaction.trans_ID

OwnTransfer(trans_ID)

OwnTransfer.trans_ID references Transaction.trans_ID

InternalTransfer(trans_ID)

InternalTransfer.trans_ID references Transaction.trans_ID

DomesticTransfer(trans_ID)

DomesticTransfer.trans_ID references Transaction.trans_ID

InternationalTransfer(trans_ID)

InternationalTransfer.trans_ID references Transaction.trans_ID

Loan(**loan_no**, loan_amount, loan_tenor, min_monthly_income,
username)

Loan.username references Client.username

CreditCard(**number**, status, currency, due_date, expiry_date,
username)

CreditCard.username references Client.username

Beneficiary(**beneficiary_ID**, beneficiary_name)

Report(**report_ID**, report_date, report_status, username)

Report.username references Client.username

CardReplacementReport(**report_ID**, replacement_reason, username,
card_number)

CardReplacementReport.report_ID references Report.report_ID

CardReplacementReport.username references Banker.username

CardReplacementReport.card_number references CreditCard.number

TechnicalReport(**report_ID**, username)

TechnicalReport.report_ID references Report.report_ID

TechnicalReport.username references SystemAdmin.username

Application(**app_ID**, app_date, app_status, busername, cusername)

Application.busername references Banker.username

Application.cusername references Client.username

LoanApplication(**app_ID**, loan_type, method_of_repayment)

LoanApplication.app_ID references Application.app_ID

CreditCardApplication(**app_ID**, card_type, credit_limit)

CreditCardApplication.app_ID references Application.app_ID

Notifies(**cusername**, **busername**, announcement)

Notifies.cusername references Client.username

Notifies.busername references Banker.username

OwnBankTransfer(**trans_ID**, **acc_no**)

OwnBankTransfer.trans_ID references OwnTransfer.trans_ID

OwnBankTransfer.acc_no references BankAccount.acc_no

InternalBankTransfer(**trans_ID**, **acc_no**)

InternalBankTransfer.trans_ID references InternalTransfer.trans_ID

InternalBankTransfer.acc_no references BankAccount.acc_no

DomesticBankTransfer(**beneficiary_ID**, **trans_ID**)

DomesticBankTransfer.beneficiary_ID references

Beneficiary.beneficiary_ID

DomesticBankTransfer.trans_ID references DomesticTransfer.trans_ID

InternationalBankTransfer(**beneficiary_ID**, **trans_ID**)

InternationalBankTransfer.beneficiary_ID references

Beneficiary.beneficiary_ID

InternationalBankTransfer.trans_ID references

InternationalTransfer.trans_ID

