

Banker(id , username , password , firstName , lastName , title , dateOfBirth)

Banker_address(address,Id)

Banker_address.Id references Banker

Client (nationalID , username , password , dateOfBirth , iScore , email)

Client_phoneNumber(phoneNumber, nationalID)

Client_phoneNumber.nationalID references Client

Client_address(address,nationalID)

Client_address.nationalID references Client

Admin(adminId,username,password,firstname,lastName,dateTime,dateOfBirth,address)

Reminder(datetime , reminderType, id , nationalID ,billName , cardNo, LoanId)

Reminder.id references Banker

Reminder.nationalID references Client

Reminder.billName references Bills

Reminder.cardNo references CreditCard

Reminder.LoanId references Loan

Account (accountNumber , accountType , accountBalance , ModificationDate , Id , nationalID)

Account.Id references Banker

Account.nationalID references Client

CreditCard (cardNo , maxLimit , interestRate , remainingLimit , monthlyPayment , type , cvv ,
nationalID , Id)

CreditCard.nationalID references Client

CreditCard.Id references Banker

Loan (loanId , LoanType , LoanAmount , interestRate , monthlyPayment , startDate ,
endDate,lengthOfRepayment , nationalID , Id)

Loan.nationalID references Client

Loan.Id references Banker

Points (NoOfPoints , expiryDate , nationalID , transactionId)

Points.nationalID references Client

Points.transactionId references CreditCardtransaction

Transfer (transferID , transferAmount , transferDate , senderAccountNo , recieverAccountNo ,
currency , accountNumber)

Transfer.accountNumber references Accounts

Domestic(transferID , receivingBankName , accountNo)

Domestic.transferID references Transfer

Domestic.accountNo references Beneficiary

Internal (transferID , accountNo)

Internal.transferID references Transfer

Internal.accountNo references Beneficiary

Own (transferID , accountnumber)

Own.transferID references Transfer

Own.accountNumber references Accounts

International(transferID,country,recieverBankName,accountNo)

International.transferID references Transfer

International.accountNo references Beneficiary

BillsPay(paymentID,paymentCurrency,paymentDate,paymentAmount,paymentStatus,
paymentType,accountnumber,billID)

BillsPay.accountnumber references Accounts

Bills.pay.billID references Bills

Reports(reportID,status,reportType,issueDate,nationalID,Id)

Reports.nationalID references to Client

Reports.Id references to Banker

Beneficiary(accountNo,name,bankName,beneficiaryType,email,Country,nationalID)

Beneficiary.nationalID references Client

Bills(billID,status,billDeadline,billName,billAmount,billType)

Application(applicationID,applicationStatus,DateofApprovalOrRejection,monthlyIncome,
employmentStatus,nationalID,Id)

Application.nationalID references Client

Application.Id references Banker

CreditCardApplication(applicationID,CreditcardType,maxLimit)

CreditCardApplication.applicationID references Application

LoanApplication(applicationID,loanAmount,loanType,InterestRate,purposeOfLoan,

lengthOfRepayment,startDate)

LoanApplication.applicationID references Application

creditCardPayment(paymentID,paymentDate,paymentAmount,paymentStatus,
paymentCurrency,paymentType,accountnumber,cardNo)

creditCardPayment.accountnumber references Accounts

creditCardPayment.cardNo references CreditCard

creditCardTransaction(transactionid,transactionDate,transactionAmount,transactionCurrency,
transactionStatus,cardNo,accountnumber)

creditCardTransaction.cardNo references CreditCard

creditCardTransaction.accountnumber references Accounts

payloans(paymentId,paymentDate,paymentAmount,paymentStatus,paymentCurrency,
paymentType,LoanId,accountnumber)

payloans.LoanId references Loan

payloans.accountnumber references Accounts

