

## CSEN 603 - Milestone 2

### Relational Schema

#### Team MRZZ

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User(userID, firstName, lastName, email, password, session)

Admin(adminID)

-----  
Admin.adminID references User

Client(clientID, notificationPlan)

-----  
Client.clientID references User

Banker(bankerID)

-----  
Banker.bankerID references User

Account(accountNumber, balance, clientID)

-----  
Account.clientID references Client

CheckingAccount(accountNumber)

-----  
CheckingAccount.accountNumber references Account

SavingsAccount(accountNumber, withdrawalLimit, interestRate)

-----  
SavingsAccount.accountNumber references Account

Card(cardNumber, expiryDate, points, balance, accountNumber)

-----  
Card.accountNumber references Account

CreditCard(cardNumber, limit, paymentMethod)

-----

CreditCard.cardNumber references Card

DebitCard(cardNumber)

-----

DebitCard.cardNumber references Card

Transaction(transactionID, amount, date, status, fromCardNo, toAccountNo )

-----

Transaction.fromCardNo references Card

Transaction.toAccountNo references Account

Request(requestID, status, clientID, bankerID)

-----

Request.clientID references Client

Request.bankerID references Banker

CardRequest(requestID, cardNumber)

-----

CardRequest.requestID references Request

CardRequest.cardNumber references Card

LoanRequest(requestID, loanID)

-----

LoanRequest.requestID references Request

LoanRequest.loanID references Loan

Loan(loanID, amount, duration, type, startDate, interestRate, paymentMethod, clientID, dueDate)

-----

Loan.clientID references Client

WHERE dueDate = startDate + Duration

Reminder(reminderID, date, message, clientID)

-----

Reminder.clientID references Client

LoanReminder(reminderID, loanID)

-----

LoanReminder.reminderID references Reminder

LoanReminder.loanID references Loan

BillReminder(reminderID, bill\_ID)

-----

BillReminder.reminderID references Reminder

BillReminder.bill\_ID references Bill

Bill(bill\_ID, amount, dueDate, paymentMethod, status, accountNumber)

-----

Bill.accountNumber references Account

CardBill(bill\_ID, cardNumber)

-----

CardBill.bill\_ID references Bill

CardBill.cardNumber references Card

UtilityBill(bill\_ID, utilityType, frequency)

-----

UtilityBill.bill\_ID references Bill

Report(reportID, date, status, userID)

-----

Report.userID references User

TechnicalReport(reportID, adminID)

-----

TechnicalReport.reportID references Report

TechnicalReport.adminID references Admin

NonTechnicalReport(reportID, reason, bankerID)

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NonTechnicalReport.reportID references Report

NonTechnicalReport.bankerID references Banker

Notification(notificationID, message, date, bankerID, adminID)

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Notification.bankerID references Banker

Notification.adminID references Admin\

Announcement(announcementID, message, adminID)

-----  
Announcement.adminID references Admin

transferTo(transferID, date, amount, status, type, fromAccNo, toAccNo)

-----      -----  
transferTo.fromAccNo references Account

transferTo.toAccNo references Account

managesB(adminID, bankerID)

-----      -----  
managesB.adminID references Admin

managesB.bankerID references Banker

managesC(adminID, clientID)

-----      -----  
managesC.adminID references Admin

managesC.clientID references Client

receives(clientID, NotificationID)

-----      -----  
receives.clientID references Client

receives.NotificationID references Notification