

Relational Schema

Team 2 (KNYHT)

Team Members:

- Nour Ayman 52-1293
- Tarneem Alaa 52-0575
- Khadiga Yehia 52-1145
- Yasmeeen Yasser 52-3371
- Hend Hazem 52-1189

Branch (BranchID, Name, Address)

Certificate (ID, InterestRate, Duration, IssueDate, Type, MinAmount, NationalID)

Certificate.NationalID references Client.NationalID

Bills (BillID, Type, DueDate, Amount, CompanyAccount, Status, AccountNo)

Bills.AccountNo references BankAccount.AccountNo

CreditCard (CardNo, HolderName, ExpiryDate, CVV, Type, Points)

Client (NationalID, Name, Birthdate, Address, PhoneNumber, Email, Username)

Client.Username references OnlineAccount.Username

Donation (DonationID, Amount, Date, RCVAccount, AccountNo)

Donations.AccountNo references BankAccount.AccountNo

BankAccount (AccountNo, Balance, Type, Rate, BranchID, Username, NationalID)

BankAccount.BranchID references Branch.BranchID

BankAccount.Username references OnlineAccount.Username

BankAccount.NationalID references Client.NationalID

OnlineAccount (Username, Password)

Transaction(TransactionNo, Currency, Type, Amount, RCVAccountNo, AccountNo)

Transaction.AccountNo references BankAccount.AccountNo

Cheque (ChequeNo, IssueDate, Receiver, AmountinNo, AmountinWord, Status, NationalID, AccountNo)

Cheque.NationalID references Client.NationalID

Cheque.AccountNo references BankAccount.AccountNo

Loan (LoanID, Amount, Status, Type, AccountNo, EmpID)

Loan.AccountNo references BankAccount.AccountNo

Loan.EmpID references Admin.EmpID

LoanInstallment(PaymentID, LoanID, Payment, Date)

LoanInstallment.LoanID references Loan.LoanID

Employee (EmpID, Name, Birthdate, Address, PhoneNumber, Email, Username)

Employee.Username references OnlineAccount.Username

Admin (EmpID)

Admin.EmpID references Employee.EmpID

Banker (EmpID)

Banker.EmpID references Employee.EmpID

Report (ReportID, Issue, Date, NationalID, EmpID)

Report.NationalID references Client.NationalID

Report.EmpID references Banker.EmpID

Reminder (ReminderID, Message, Date, Time, Username)

Reminder.NationalID references OnlineAccount.Username