**Complete Relational Schema (and their FD’s)**

**User**(

UserID : string,

UserFirstName : string,

UserLastName : string,

UserEmail: string,

UserPassword : string,

UserAccountBalance : decimal

)

*UserID → UserFirstName, UserLastName, UserEmail, UserPassword, UserAccountBalance*

**Transaction**(

TransID : integer,

TransType : string, #Pay or Request

TransAmount : decimal,

TransDate : date,

TransMsg : string,

TransAudience : string #Public, Friends, or Participant Only

)

*TransID → TransAmount, TransType, TransDate, TransMsg, TransAudience*

**BankAccount**(

BankAccountID : integer,

BankLoginID : integer,

BankLoginPassword : string,

BanAccountName : string,

BankAccountNo : integer,

BankAccountRoutingNo : integer

)

*BankAccountID → BankLoginPassword, BankLoginID, BankAccountName, BankAccountNo, BankAccountRoutingNo*

**BankCard**(

BankCardID : integer,

BankCardNo : integer,

BankCardExpirationDate : date,

BankCardSecurityNo : integer,

BankCardZipNo: integer

)

*BankCardID → BankCardNo, BankCardExpirationDate, BankCardSecurityNo, BankCardZipNo*

**UserTransaction**(

UserID : integer,

TransID : integer,

UserIDFriend : integer,

ProgressStatus : string #Pending or Paid

)

*UserID, TransID → UserIDFriend, ProgressStatus*

**UserBankAccount**(

UserID : integer,

BankAccountID : integer

)

*No FD*

**UserBankCard**(

UserID : integer,

BankCardID : integer

)

*No FD*