Bank Management System

Database Design

Version 1.0
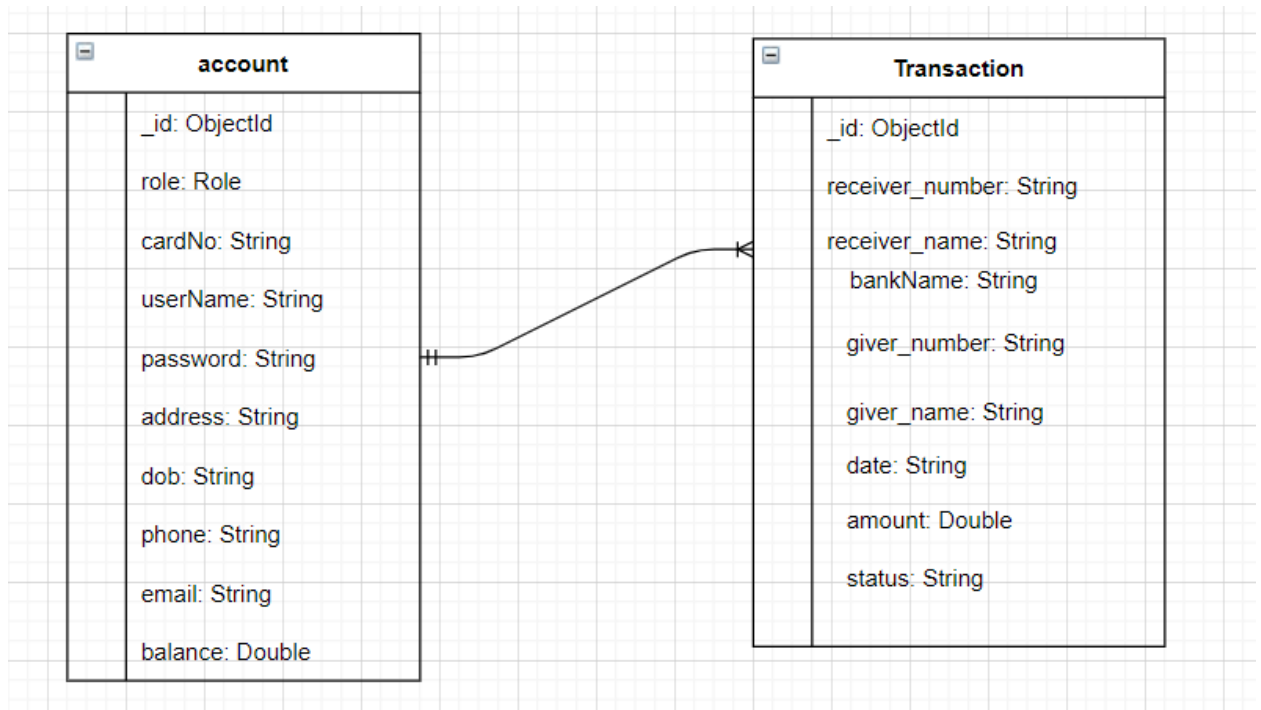
Revision History

Date	Version	Description	Author
20/03/2021	1.0	Final Draft	An Thị Phương

CodeeBank

A description of the persistent data storage perspective of the Bank Management System

I.   Entity Relationship Diagram

II.   Data dictionary
1. Account

Table	Column	Type	Description	Length	Incl. in PK	Nullable	Unique
account	_id	ObjectId	Unique identifier for each account	-	True	False	True
	role	String	Admin or user	-	False	False	False
	cardNo	String	Account number of the account	-	False	False	True
	username	String	Name of user	From 4-32 characters	False	False	True
	password	String	Password of user	From 6 to 32	False	False	True

				characters			
	address	String	Address of user	-	False	True	False
	dob	String	Date of birth	-	False	True	False
	phone	String	Phone number of user	-	False	False	True
	email	String	Email of user	-	False	False	True
	balance	Double	Available amount in the account	-	False	True	False

2. Transaction

Table	Column	Type	Description	Length	Incl. in PK	Nullable	Unique
transaction	_id	ObjectId	Unique identifier for each transaction	-	True	False	True
	receiver_number	String	Account number of receiver	-	False	False	True
	receiver_name	String	Account name of receiver	-	False	False	True
	bank_name	String	Name of bank (BIDV by default)	-	False	False	True
	giver_number	String	Account number of giver	-	False	False	True
	giver_name	String	Account name of giver	-	False	True	True
	date	String	Date of birth	-	False	True	False
	amount	String	Amount to tranfer	-	False	False	False
	status	String	Status of transaction	-	False	False	False