Account:

realPersonNationId: integer (10 digit)

username: string (maximum length 30)

email: string (maximum length 30)

password: string (maximum length 30)

phoneNumber: integer (10 digit)

Card:

cardNumber: bigint (16-19 digit)

primaryPassword: integer (4 digit)

secondaryPassword: integer (8 digit)

expirationDate: date

CVV1: integer (3-4 digit)

CVV2: integer (3-4 digit)

active: Boolean

transaction:

transitionId: integer (10 digit)

source: bigint (16-19 digit)

destination: bigint (16-19 digit)

date: date

description: string (100 chatacter)

trackingId:??

amount: numeric

trackingId: numeric

CreateCardRequest:

requestId: integer

cardNumber: bigint (16-19 digit)

bankAccountId:?

Support:

requestId: integer

username: string (maximum length 30)

employeeNationId: integer (10 digit)

UserRequest:

requestId: integer

status: integer

date: date

response: string (100 chatacter)

description: string (100 chatacter)

CreateBankAccountRequest:

requestId: integer

username: string (maximum length 30)

bankAccount: numeric

CREATE TABLE Account (

    realPersonNationId: CHAR(10),

    username: VARCHAR(30),

    email: VARCHAR(30),

    password: VARCHAR(30),

    phoneNumber: CHAR(10)

)

CREATE TABLE BankAccount (

    id: VARCHAR(13)

    active: BOOLEAN

    balance: NUMRIC

    iban: CHAR(24)

    openDate: Date

    creatorUsername: VARCHAR(30)

)

CREATE TABLE QarzolHasana (

    id: VARCHAR(13)

)

CREATE TABLE Saving (

    id:VARCHAR(13)

    profit: NUMERIC

)

CREATE TABLE Card (

    cardNumber: VARCHAR(19),

    primaryPassword: CHAR(4),

    secondaryPassword: CHAR(8),

    expirationDate: DATE,

    CVV1: VARCHAR(4),

    CVV2: VARCHAR(4),

    active: BOOLEAN

)

CREATE TABLE Transaction (

    transitionId: CHAR(10),

    source: bigint (16-19 digit),

    destination: bigint (16-19 digit),

    date: DATE,

    description: TEXT,

    trackingId: INT

    amount: NUMRIC,

    trackingId: NUMRIC

)

CREATE TABLE Purchase (

    transactionId: NUMRIC

    storeName: VARCHAR(50)

)

CREATE TABLE PayBill (

    transactionId: NUMRIC

    billId: NUMRIC

    paymentId: NUMRIC

)

CREATE TABLE WireTransfer (

    transactionId: NUMRIC

)

CREATE TABLE Deposit (

    transactionId: NUMRIC

)

CREATE TABLE Withdraw (

    transactionId: NUMRIC

)

CREATE TABLE UserRequest (

    requestId: INT,

    status: CHAR(3),

    date: DATE,

    response: TEXT,

    description: TEXT

)

CREATE TABLE CreateBankAccountRequest (

    requestId: INT,

    username:  VARCHAR(30),

    bankAccount: NUMRIC

)

CREATE TABLE CreateCardRequest (

    requestId: INT,

    cardNumber: VARCHAR(30),

    bankAccountId: VARCHAR(13)

)

CREATE TABLE Support (

    requestId: INT,

    username: VARCHAR(30),

    employeeNationId: CHAR(10)

)