Relational Schema

User (<u>Username,</u> password)

Admin (Username ,<u>Admin ID</u>)

Admin.username References User

Banker(Username, <u>Banker ID</u>,Salary)

Banker.username references user

Client(<u>Client ID</u> ,name ,Username, phone no.)

Client.Username references User

Loan(<u>ID</u> ,amount,status)

Car(<u>ID</u> ,amount,status)

Personal(<u>ID</u> ,amount,status)

Bills(<u>ID</u> ,amount ,message)

creditCard(expirationDate , bin ,<u>Cardno</u>,<u>HolderID</u>)

CreditCardBills(<u>ID</u> ,amount)

CreditCardPoints(<u>Card no.</u>)

CCTransactions(<u>ID</u> ,date ,amount ,<u>card no.</u>)

Technicalissues(message , *reportID* , <u>SenderID</u>)

Btransactions(<u>transactionID</u> ,date,<u>receiverID</u>, <u>Sender</u>,amount)

BankAccount(<u>accountID</u> ,<u>credit card no</u>,status,balance)

Notifications(<u>ID</u>,message)

TransferMoney(<u>ID,</u> amount , <u>receiverID</u>)

Internal(ID, amount , receiverID)

domestic(ID, amount , receiverID)

international(ID, amount , receiverID)

reminders(ID,message)

Has(ID,accountID)

Has.ID refreneces Notifications

Has.accountID refreneces bankAccount

Open(ClientID,accountID)

Open.ClientID refreneces client

Open.accountID refreneces bankaccount

close(ClientID,accountID)

close.ClientID refreneces client

Close.accountID refreneces bankaccount

Receive(accountID , ID)

Receive.accountID refreneces bank account

Receive.ID refreneces reminders

report(ClientID,reportID)

report.ClientID references Client

report.reportID references technicalissues

view(ClientID ,TransactionID)

view.ClientID references Client

view.TransactionID refernces Btransaction

apply(ClientID , ID)

apply.ClientID references Client

apply,ID references loan

pay(ClientID , ID)

pay.ClientID references Client

pay.ID references loan

 apply(ClientID , Cardno)

apply.ClientID references Client

apply.Cardno references credit card

has(transactionID ,card no)

has.transactionID references cc transaction

has.cardno references credit Card

set(billID,ID)

set.billID referneces CreditCardBill

set.id references reminderss

send(ID,AdminID)

Send.ID references Notifications

Send.AdminID references Admin

Receive(BankerID , reportID)

Receive.BankerID references Banker

Receive.reportID references ReporstTheif/Damage

report(bankerID,reportID)

report.bankerID references Client

report.reportID references technicalissues

pay(billID, accountID)

pay.billID references bills

pay.accountID references Bankaccount

Transfer(ID ,accountID)

Transfer,ID references transfer money

Transfer.accountID bank account

Receive(accountID, ID)

Receive.accountID references accountID

Receive.ID references reminders

Has(accountID , transactionID)

Has.accountID references bank account

Has. TransactionID references Btransaction