Banker(Banker_ID , Account_no)

-Banker.account_no references webApp.account_no

Bank_account(AccountID,BankerID , username,creation date,balance)

-bank_account.uername references client.username

- Bank_account.Banker_ID references Banker.BankerID

ActivateOrDeactivate(banker_id ,Account_id)

-ActivateOrDeactivate.banker_id refrences banker.banker_id

-ActivateOrDeactivate.account_id references bank_account.account_id

Adjustaccount(amount , banker_id ,Account_id)

-ActivateOrDeactivate.banker_id refrences banker.banker_id

-ActivateOrDeactivate.account_id references bank_account.account_id

Credit_Card(card_no,username , balance, limit, expiry_date , wayOfPayment ,)

-credit_card.username references client.username

Banker_Credit_Card(banker_id, card_no)

- Banker_Credit_Card.banker_id references Banker.banker_id

- Banker_Credit_Card.card_no references Credit_Card.card_no

Adjustbanace(banker_id, card_no , amount)

- Banker_Credit_Card.banker_id references Banker.banker_id

- Banker_Credit_Card.card_no references Credit_Card.card_no

activeOrBlock(banker_id, card_no)

- Banker_Credit_Card.banker_id references Banker.banker_id

- Banker_Credit_Card.card_no references Credit_Card.card_no

BankTransfer(ID ,amount,recipient_acc_no,recipient_name,sender_acc_no, sender_name,banker_id , username)

-BankTransfer. banker_id refrences banker.bakerID

-BankTransfer.username references client.username

approveOrDecline(bankTransfer_id , banker_id)

-approveOrDecline.bankTransfer_id references bankTransfer.id

-approveOrDecline.banker_Id references baker.banker_id

Client(username,address,birthdate,password , account_no , banker_id , employeeID , viewType , notify_type)
-client.employeeId references admin.employeeID

-client.account_no references webapp.account_no

-client.banker_id references banker.banker_id
-viewType is an attribute for a one to many relation
-notify_type is an attribute for a one to many relation

webApp(account_no)

Admin(EmployeeID , account_no)

Transactions(ID,Type,location,Date,amount , username)

-transactions.username refrences client.username

readData(EmployeeID,ID)

-readData.EmployeeID references admin.EmployeeID

-readData.ID references Transactions.ID

Loan(Loan_ID,interest,Balance,type , username , banker_id)

- loan.username references client.username

-loan.banker_id references banker.banker_id

Points(employeeID,card_NO,amount)

-points.employeeid references admin.employeeID

-points.card_no references credit_card.credit_card

notifyForTransaction(employeeID , banker_id , accontNo , name)

-notifyForTransaction.employeeID references admin.employeeID

-notifyForTransaction.bankerid references bank.banker_id

<<subsystem>> emplyees and Complaint
- admins
- bankers
- Complaints
- Technical Support Staff

interact with database

<<subsystem>> clientAndDataChecker
- add/delete user
- authentication

adds or delete user from database

checks if the user exited

and read user's info if existed

database

add/delete users

checks if the user existed

bank web application

showhowthe web application will interacy with different type of users

show activity and transfers of a user

send emails using third party web applications

email systems

<<subsystem>> user and personal information managment
- Credit Card
- loans
- bank accounts

<<subsystem>> transaction handler
- transactions
- paybills

interact with database

save transaction and paid bills in databse

interacts with transaction handler