ADVANCED DATABASE MANAGEMENT :
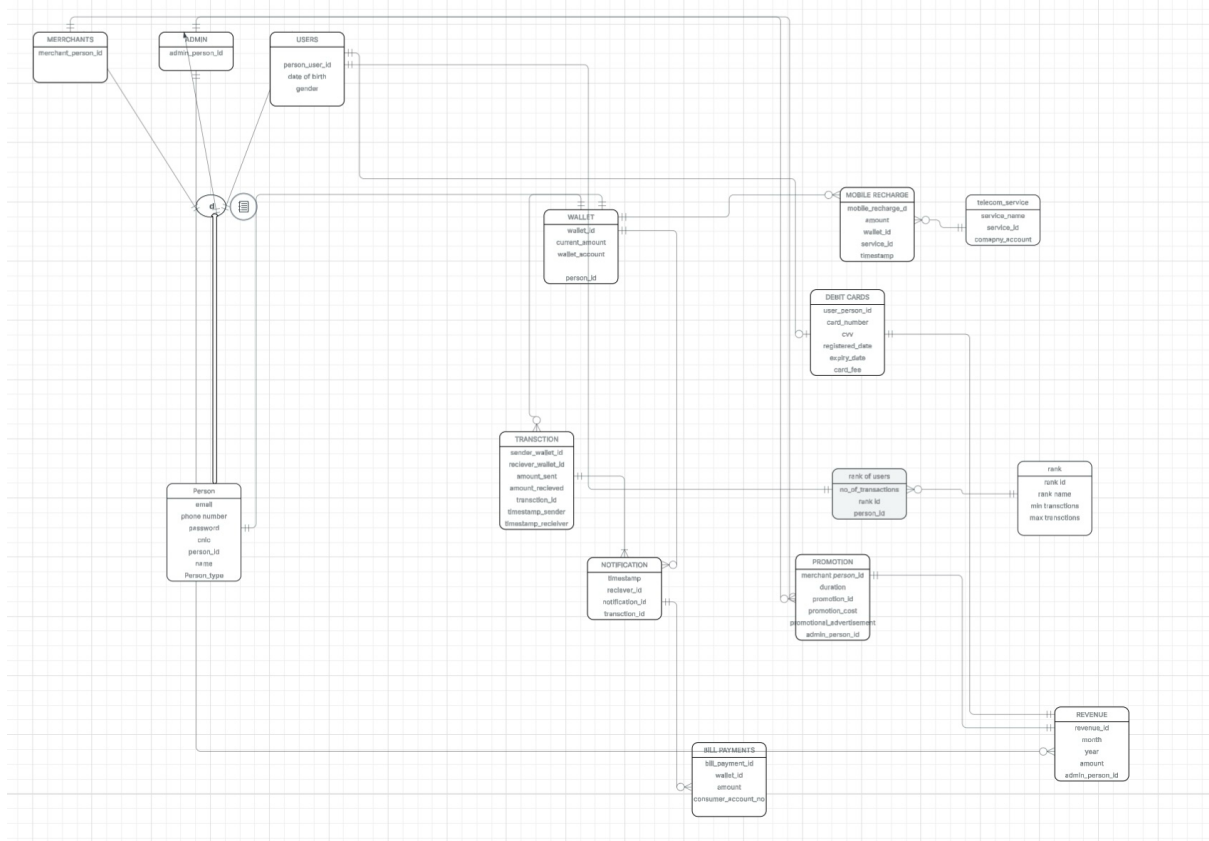## PART 1:

ER DAIGRAM 1NF:

MERRCHANTS
- merchant_person_id

ADMIN
- admin_person_id

USERS
- person_user_id
- date of birth
- gender

WALLET
- wallet_id
- current_amount
- wallet_account
- person_id

MOBILE RECHARGE
- mobile_recharge_d
- amount
- wallet_id
- service_id
- timestamp

telecom_service
- service_name
- service_id
- comapny_account

DEBIT CARDS
- user_person_id
- card_number
- CVV
- registered_date
- expiry_date
- card_fee

Person
- email
- phone number
- password
- cnic
- person_id
- name
- Person_type

TRANSCTION
- sender_wallet_id
- reciever_wallet_id
- amount_sent
- amount_recieved
- transction_id
- timestamp_sender
- timestamp_recieiver

rank of users
- no_of_transactions
- rank id
- person_id

rank
- rank id
- rank name
- min transctions
- max transctions

NOTIFICATION
- timestamp
- reciever_id
- notification_id
- transction_id

PROMOTION
- merchant_person_id
- duration
- promotion_id
- promotion_cost
- promotiona1.advertisement
- admin_person_id

REVENUE
- revenue_id
- month
- year
- amount
- admin_person_id

BILL PAYMENTS
- bill_payment_id
- wallet_id
- amount
- consumer_account_no

ER DIAGRAM IN 3NF:

MERRCHANTS
merchant_person_id

ADMIN
admin_person_id

USERS
person_user_id
date of birth
gender

WALLET
wallet_id
current_amount
wallet_account

person_id

MOBILE RECHARGE
mobile_recharge_d
amount
wallet_id
service_id
timestamp

telecom_service
service_name
service_id
comapny_account

DEBIT CARDS
user_person_id
card_number
cvv
registered_date
expiry_date
card_fee

Person
email
phone number
password
cnic
person_id
name
Person_type

TRANSCTION
sender_wallet_id
reciever_wallet_id
amount_sent
amount_recieved
transction_id
timestamp_sender
timestamp_reciever

rank of users
no_of_transactions
rank id
person_id

rank
rank id
rank name
min transctions
max transctions

TRANSCTION_NOTIFICATION
Notification_id
transction_id

PROMOTION
merchant_person_id
duration
promotion_id
promotion_cost
promotional_advertisement
admin_person_id

NOTIFICATION
timestamp
reciever_id
notification_id

REVENUE
revenue_id
month
year
amount
admin_person_id

BILL_PAYMENTS
bill_payment_id
wallet_id
amount
consumer_account_no