Class Diagram

ACCOUNT
- ACCNO — PK
- TYPE
- CLIENTID
- BALANCE
- CREDIT LIMIT
- WITHDRAWL LIMIT

(blue note, top left, pointing to Account): not ATM, but limits for special investments

CLIENT
- ID/REG — PK
- NAME
- ADDRESS
- IS BUSINESS?

(blue note, pointing to Client): depending if is business or person.

USER
- USERNAME — PK
- PASSWORD

(relationship: Client 1..d — 0..d User)

USER_CLIENT
- CLIENTID — PK
- USERNAME — PK

TRANSFER
- ID — PK
- SRC ACC
- DEST ACC
- AMOUNT
- DESCRIPTION
- DATETIME

(blue note, below Transfer): Within bank

PAYMENT
- ID — PK
- SRC ACC
- DEST BANK
- DEST ACC
- DEST BRANCH CODE
- AMOUNT
- DESCRIPTION
- DATETIME

(blue note, pointing to Payment): External banks

PURCHASE
- ID — PK
- TYPE
- REF
- AMOUNT
- SRC ACC
- DATE TIME

(blue note, below Purchase): Special class to support any type of external transaction such as airtime/electricity/etc.

ENDPOINTS

/apply → Apply for/create new account
↳ Requires account info + proof of salary for CREDIT accounts

/clients → Get list of clients for current user.

/accounts → Get list of accounts for given client.

/transactions → Get all (or date specific) transfers, payments & purchases for account.

/transfer/new
/payment/new
/purchase/new
→ Create new N of specified type. Requires fields per class diagram.

/N/ search ——→ Search transactions

/N/ schedule ——→ Like new, but scheduled

/beneficiary/ new → List
/edit → Create
/remove → Delete
} Beneficiary

Edit

USER

BENIFICIARY

| ID | PK |
| USERNAME |
| BANK |
| ACCNO |
| BRANCH |
| NAME |