Initially I have planned to create 4 services

1. Create user
2. Delete user
3. Debit money
4. Credit money

I am thinking of creating each separate microservice for this , but if possible few of them could be combined.  
  
We have to create a user entity and add various fields to it.  
  
Also we have to use the Feign client or any other microservice to communicate between the services.  
  
I am thinking of creating a separate Service, i.e the banking service. This service is accessible to the end user and hence will act as a wrapper service over the other services.

I am planning to create following services

1. Debit Sefvice
2. Credit Servcie
3. Create/Delete User service
4. Admin service
5. Balance enquiry
6. Banking service – Wrapper service (should be accessed by the customer)
7. Implement Login service for Admin and Customers

We can allow only the admin to create and delete the users

We can allow the users to use debit service - only the money from their account will be deducted ( maybe after entering a password)

We can allow the users to credit money in their account as well as others account

Also the user can add money from external sources to the account

Otherwise the user can transfer the money from his account to another person’s account.  
  
The customer must be logged in to perform the debit, credit and balance enquiry.

1st task (Imp)

Create a login service – Role based authentication for authorisation for Customer and Admin using JWT

Work of token generation

Columns -> id, user\_name , password

The bearer token

2nd Task

Create customer service for deleting updating customers for admin

Create customer -> can be created by anyone without login

Delete Customer -> based on username by admin only

Update customer -> based on username by customer only

Columns - > userid(unique),

firstname,

lastname,

user\_name (primary) (combination of firstname and lastname) (will not be included when creating new user through postman) ,

email (optional), mobile, address, amount, time\_created, time\_modified

3rd task

Create debit and credit functionality when the user is logged in as a customer (not admin)

Credit Service – adding money to own account

Debit service – deducting money from own account.

Transid , amount, status (credit/debit), time

Transfer service – Sending money to other account.

Coulmns -> Transactionid, fromacc, toacc, amount, time

4th task