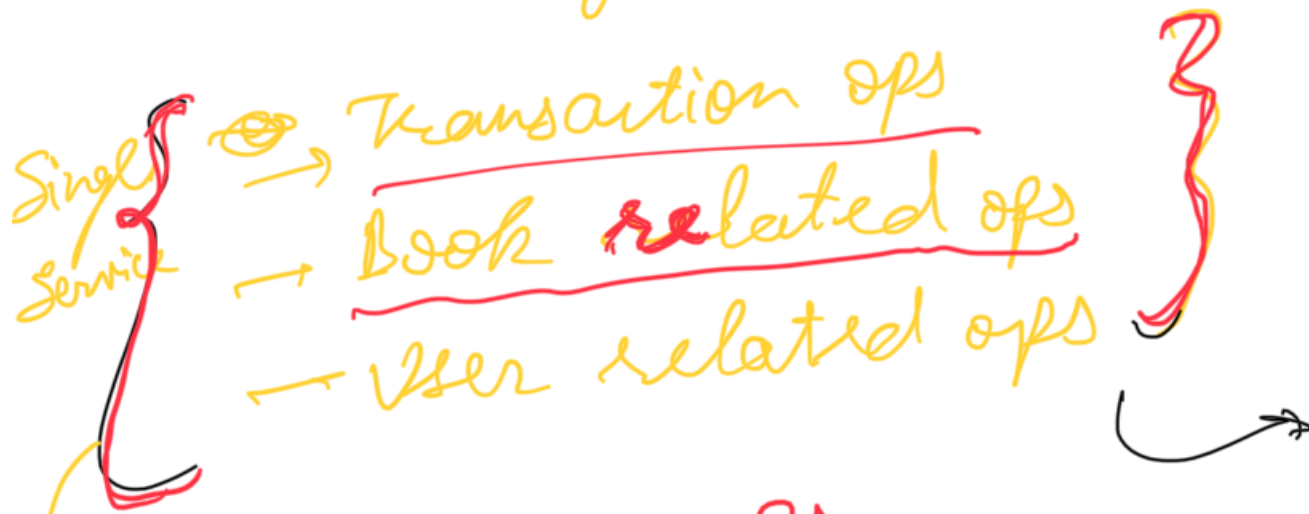


Major project → Payments App

Minor project Application .java on

Minor project

In a single service / Module / project

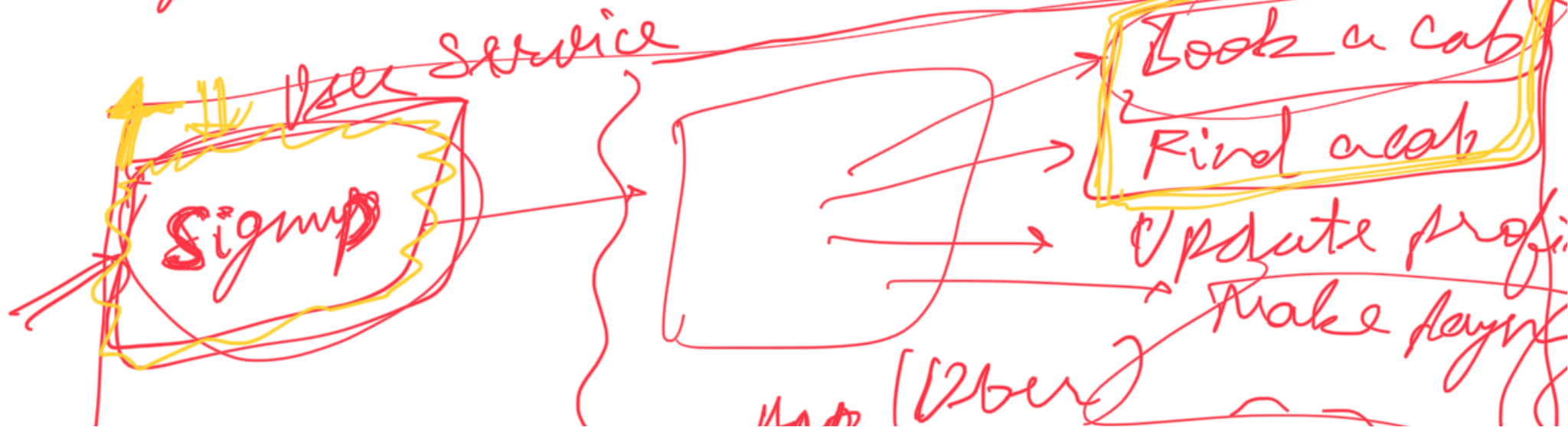


Monolithic architecture

⇓
microservice

Different comps are tightly coupled

100M
1000
50 ops
100 ops



Monolithic Architecture -

- ① If one service goes down and need to redeployed, others will face issue as well.
- ② If you want to scale one service, you will have to scale everything



Sep Repo

single Repo

Monorepo but deployed as a
microservice

Multiple Services

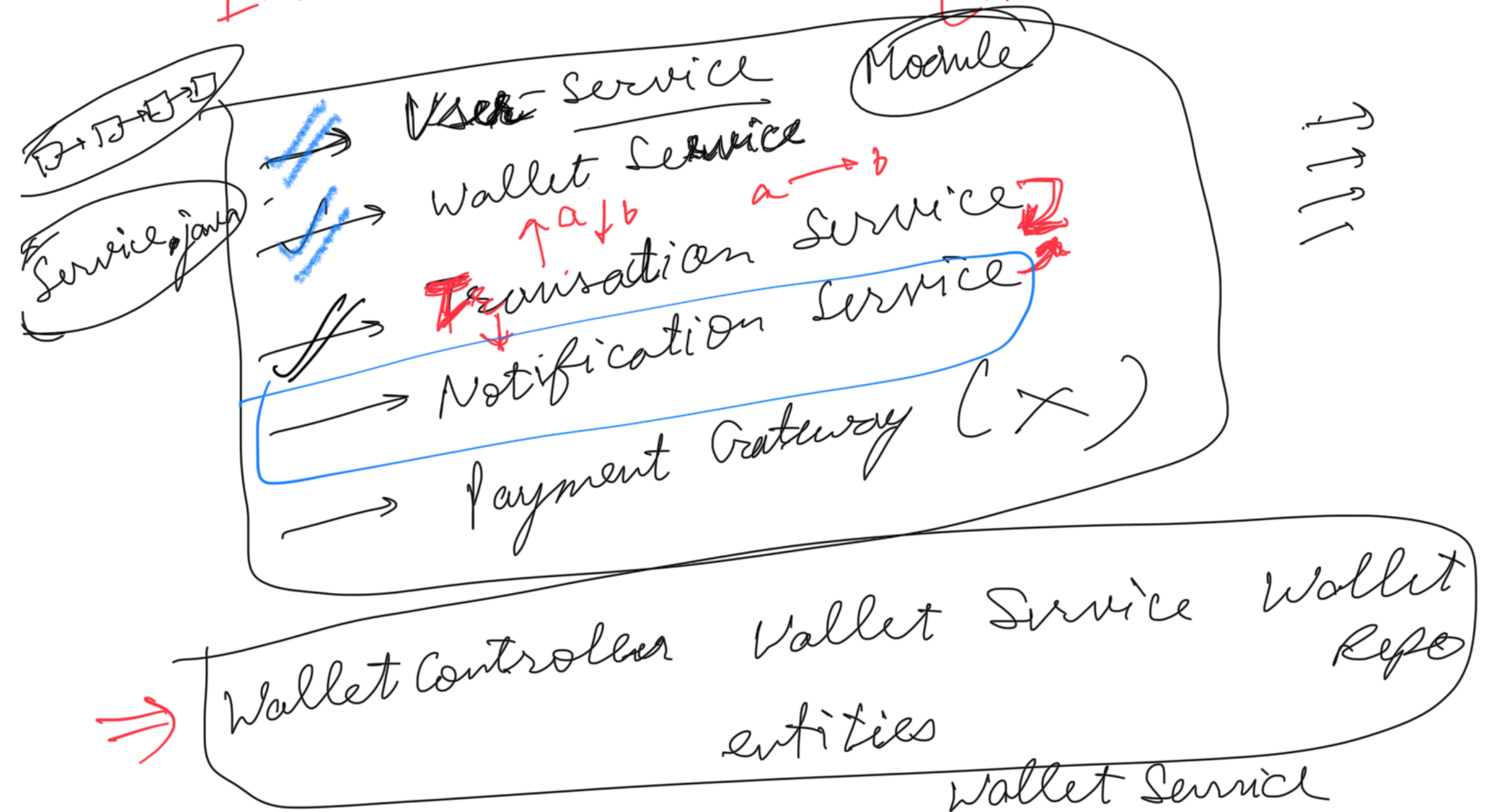


Distributed

in terms of diff service

Brainstorm

E-wallet application (Paytm → Paytm Wallet)
(Amazon → Amazon Wallet)



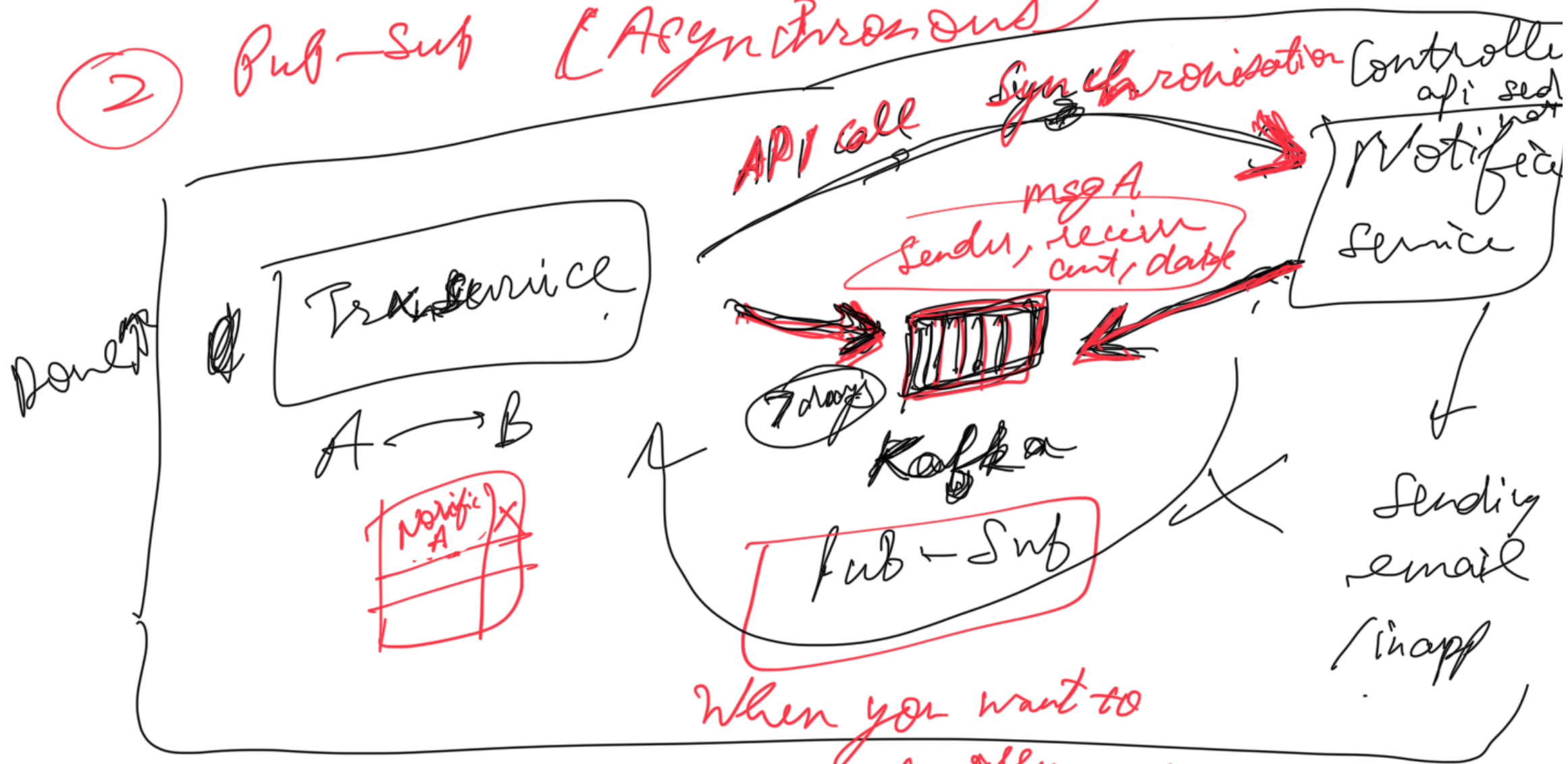
and micro service arch. / inter service

in communication is very imp.

②

① 1:1 (Synchronous)

② Pub-Sub (Asynchronous)



When you want to convey a msg to and not to get data from something.

○ incoming

✓ User A wants to send money to User B

Notification Service is down



User Service

①

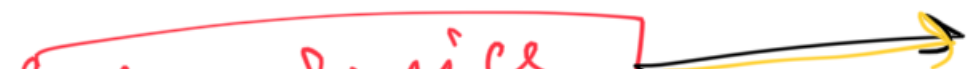
- POST
- GET
- ~~DELETE~~
- PUT

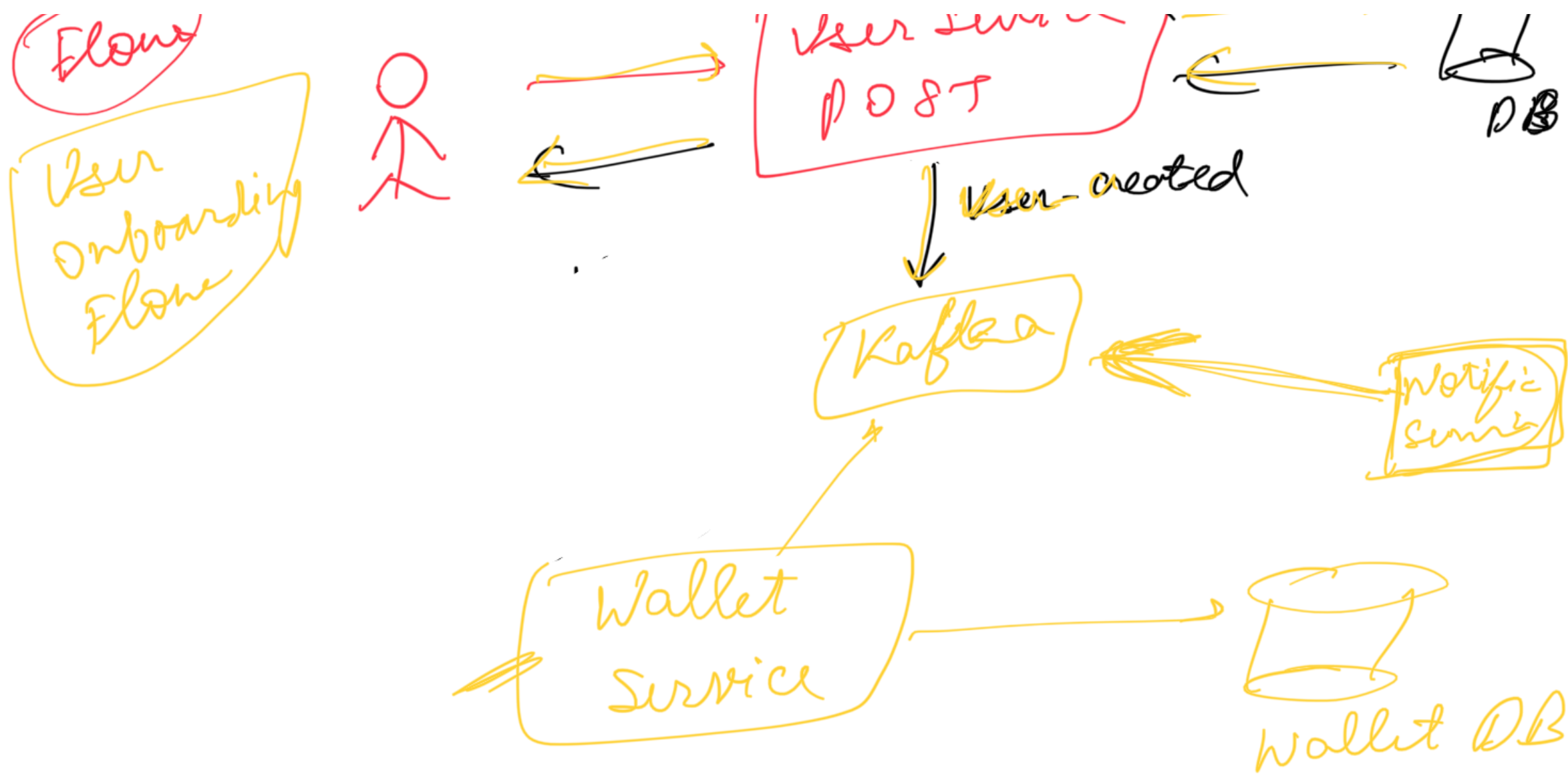
User

- phone
- name
- pass

Module
Parent (Majority)
↳ volunteer
↳ ~~app~~ User service

User DB
○





↳ GET /
↳ POST /

~~Wallet~~

{ User Id
balance → Datatype

pay

↳ PDT
↳ delete

wallet Id Long

Float/double, But companies use

Integer/long

round it off to two decimal
use lowest possible den

100 rs

100.50

10050 paise

paise

100.50 equals (bal)

~~100.50~~

Transaction Service → Transaction
condu Id

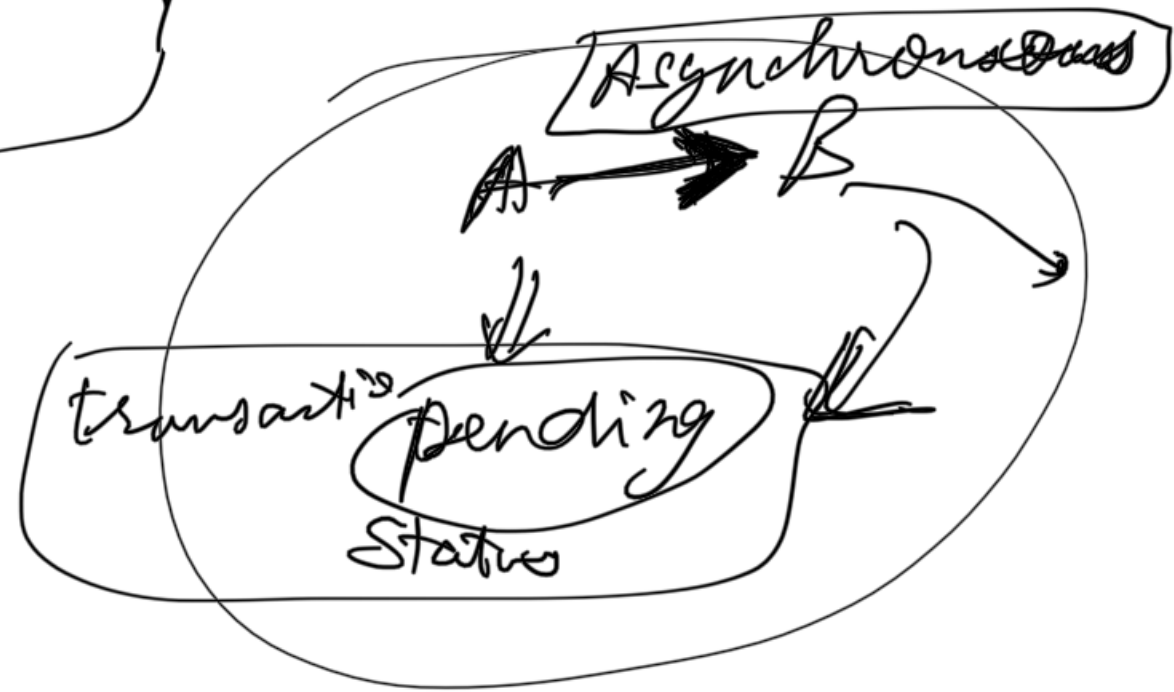
→ POST

→ PUT

→ GET

→ Delete

Receiver Id
created date/time
payment type
→ status
msg



Flow

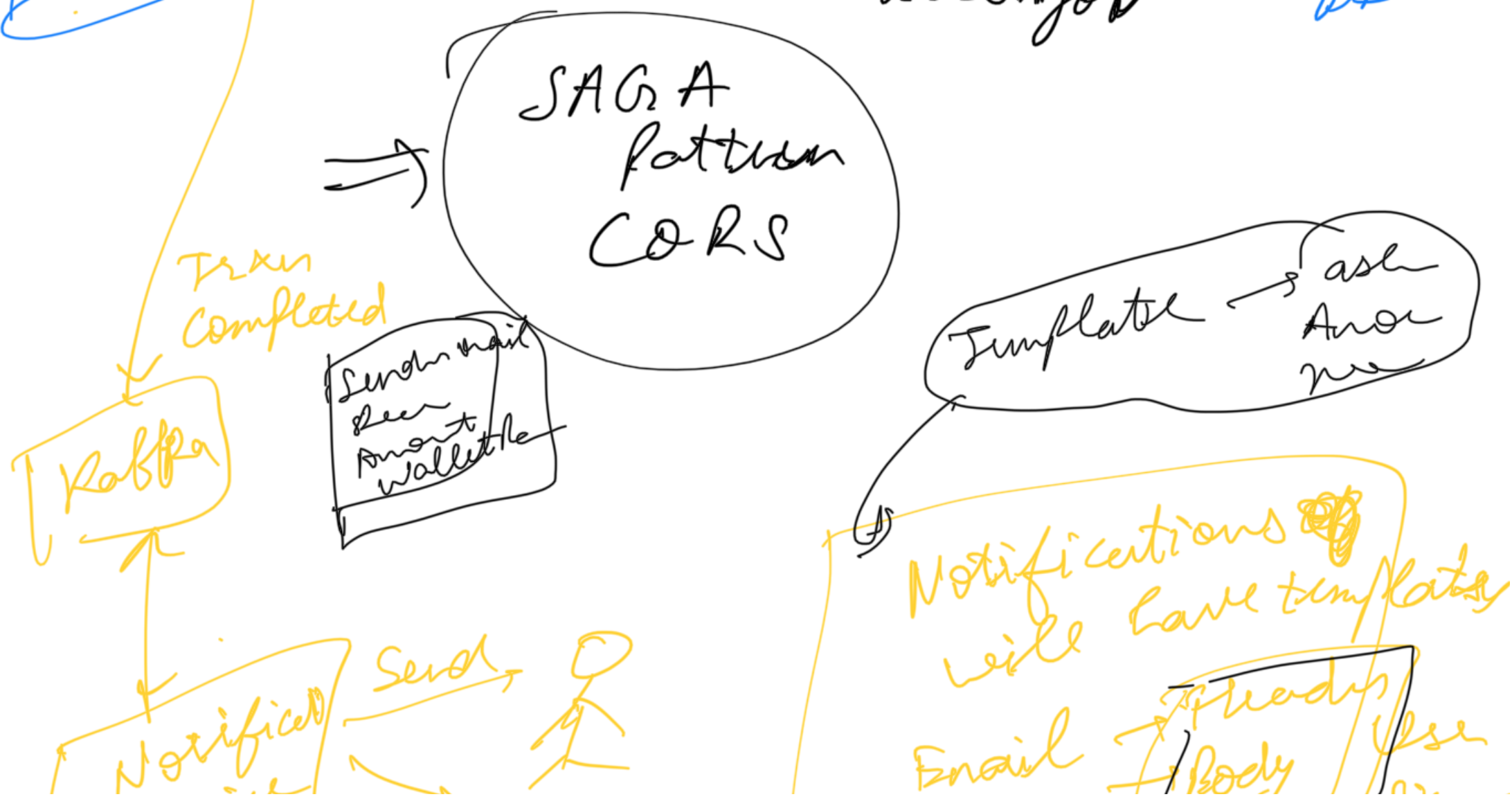
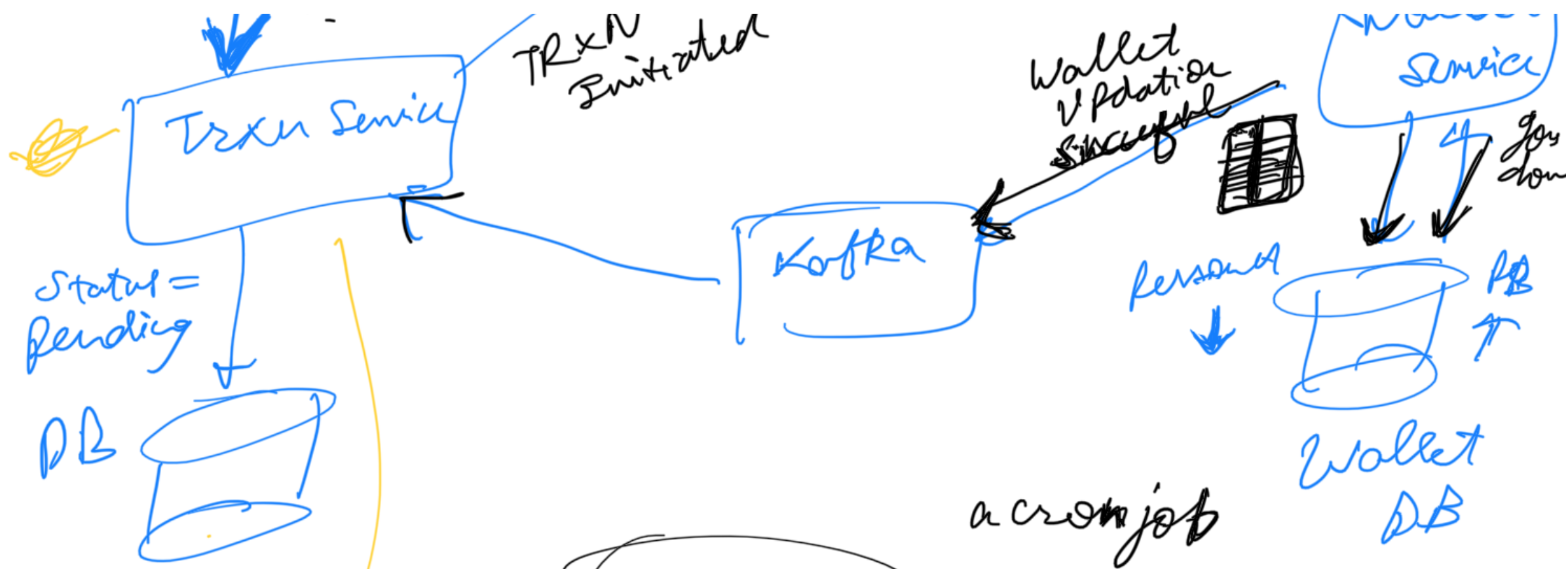


→ producer
→ consumer

Kafka

→ Consumer
→ producer

→ delete



Send 

Footer 