

Amazon

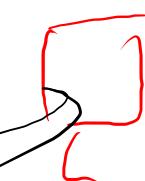
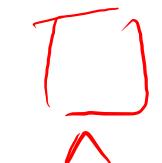
→ Add your items in cart

Cart Service

60 days

fix this problem

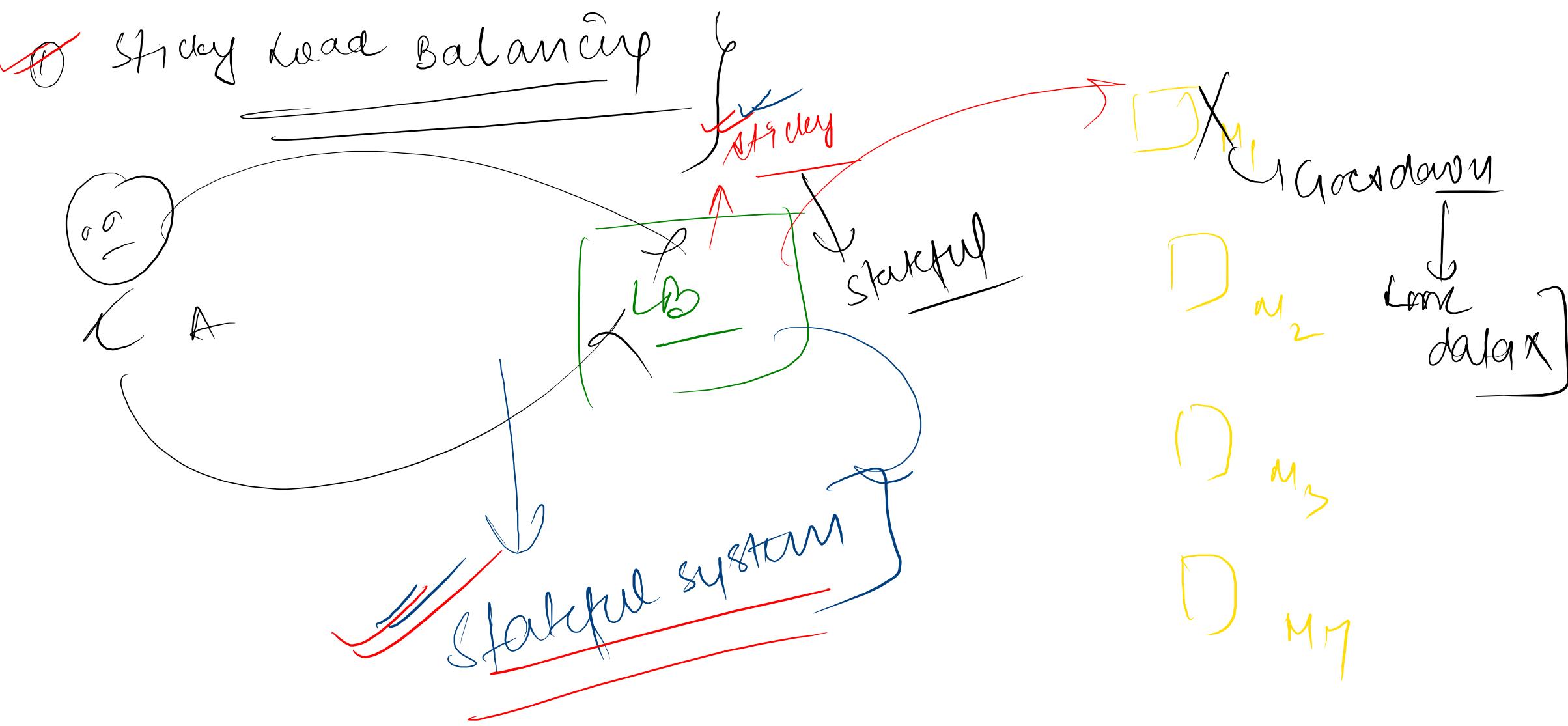
Load
balance
RR algorithm



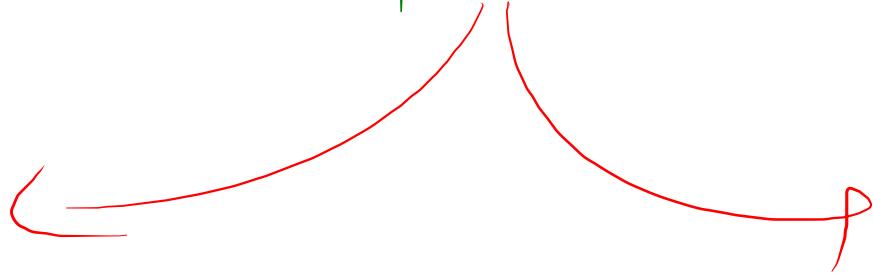
items to the
cart

cart is empty

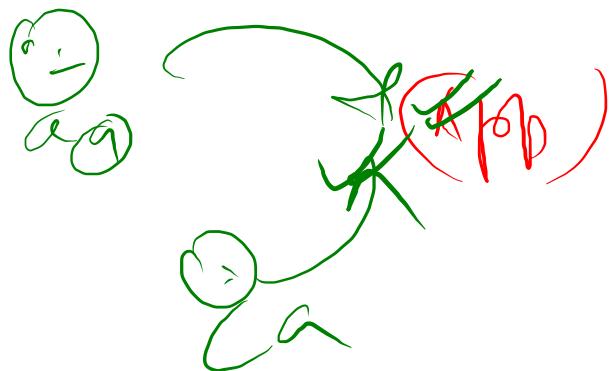
M₁



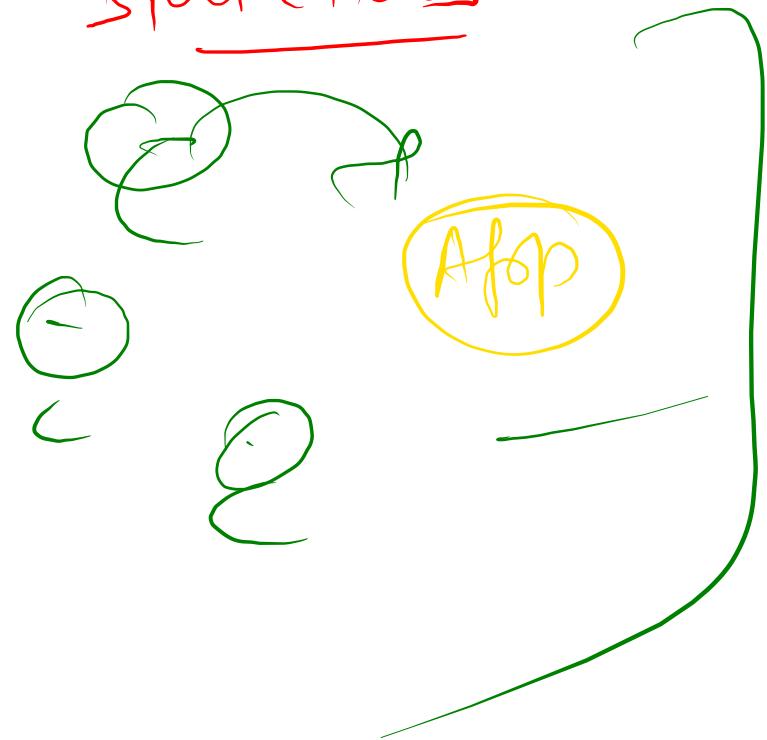
System

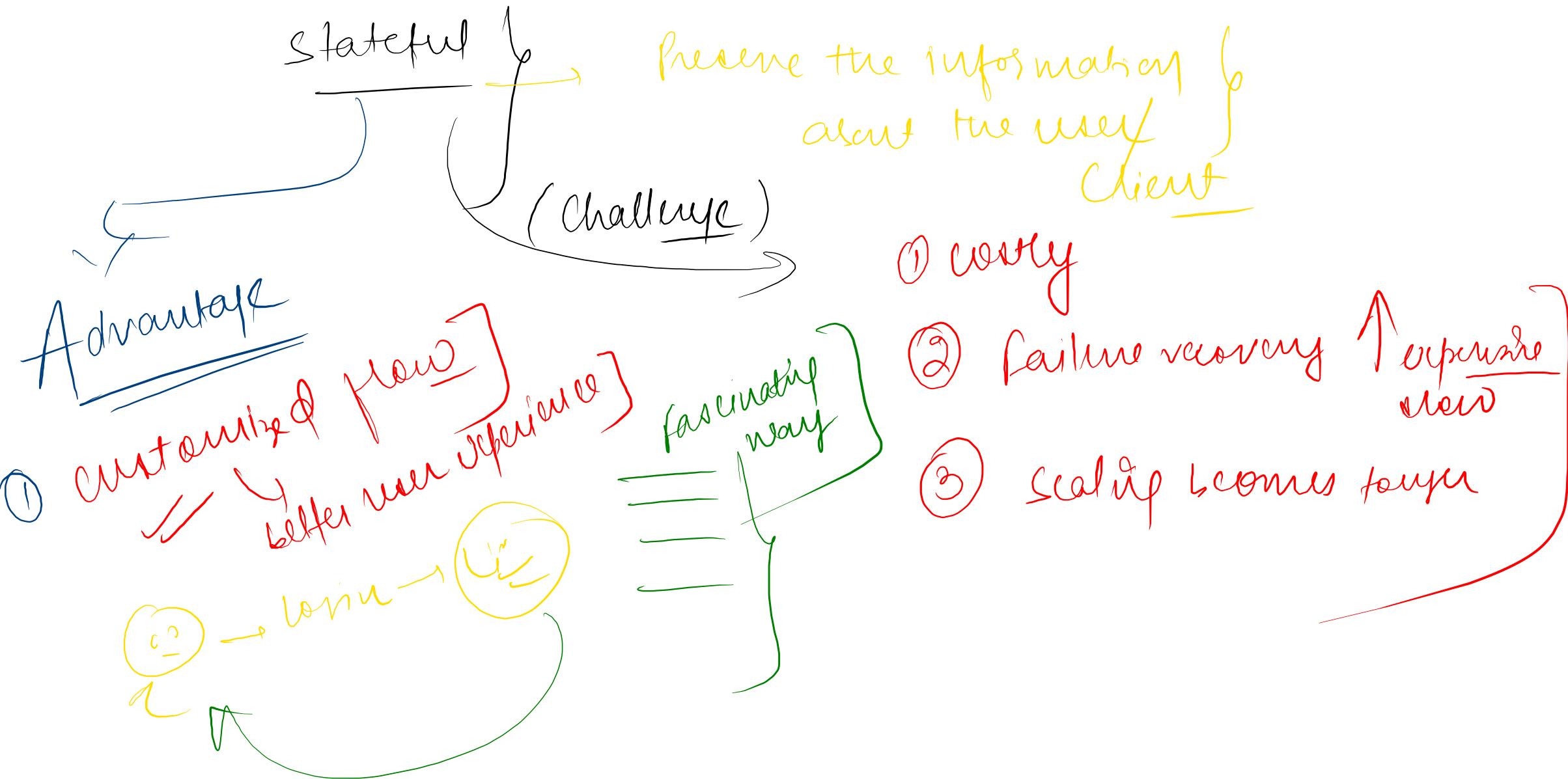


Hateful



Statesless





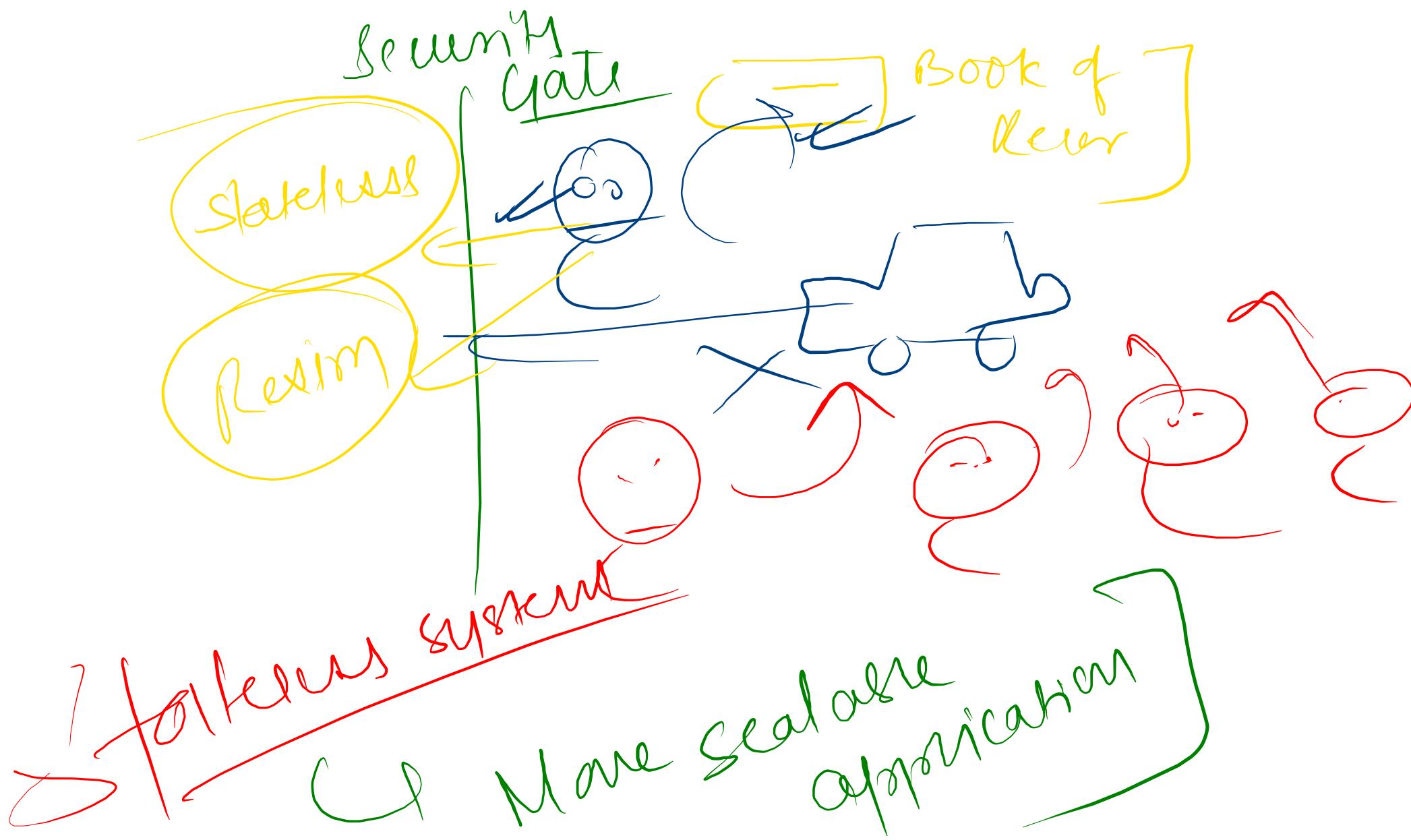
Apartments)

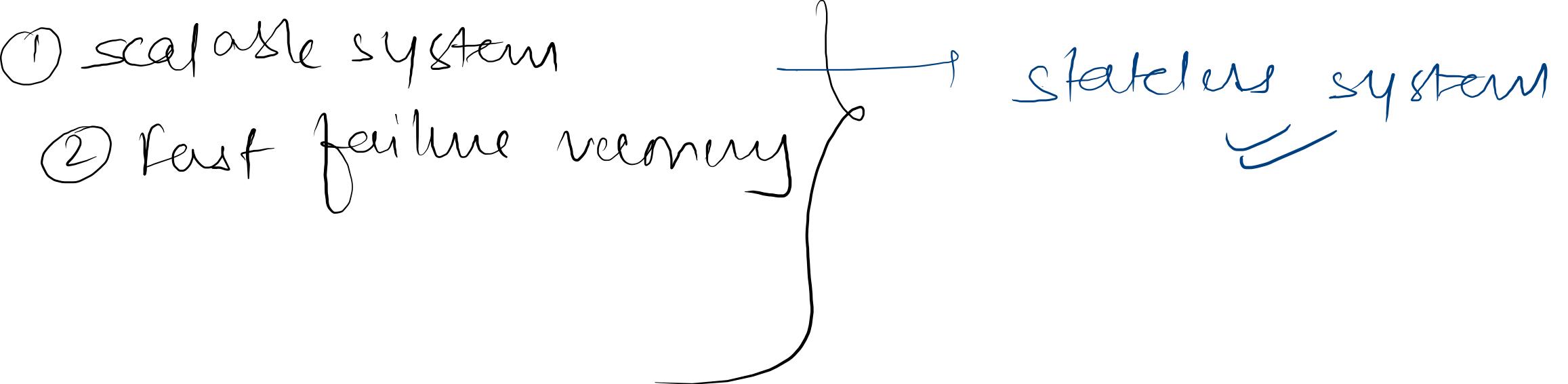


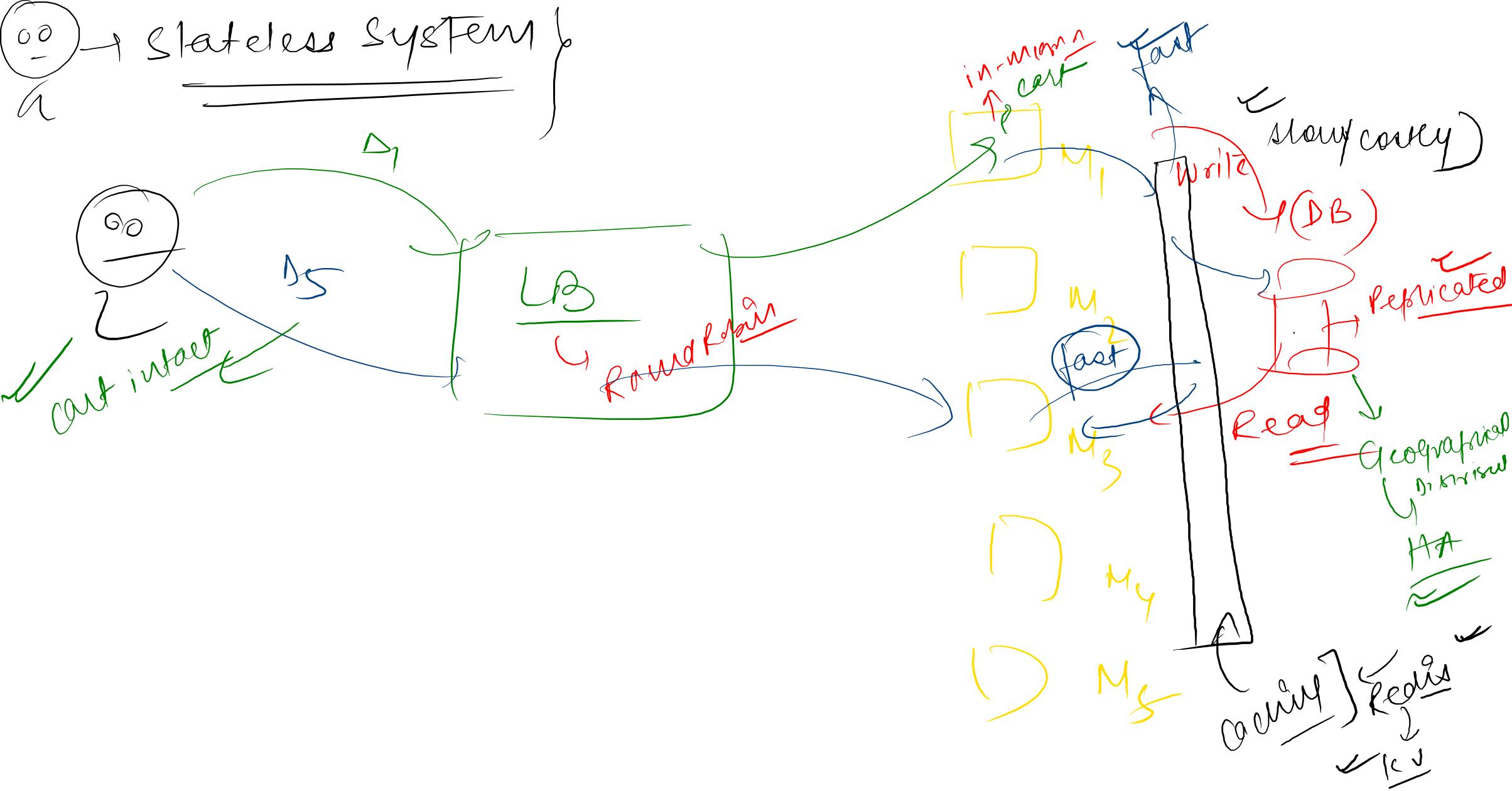
Advantages

↓
Simple
Action

- ① Tough Replacement is tough
- ② Scaling is difficult







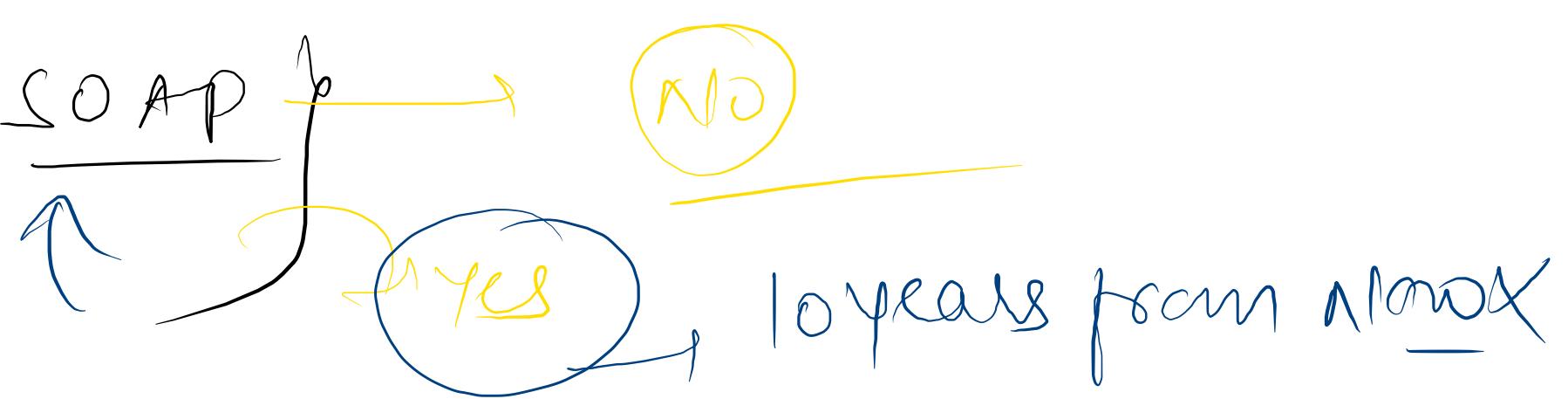
communication protocols

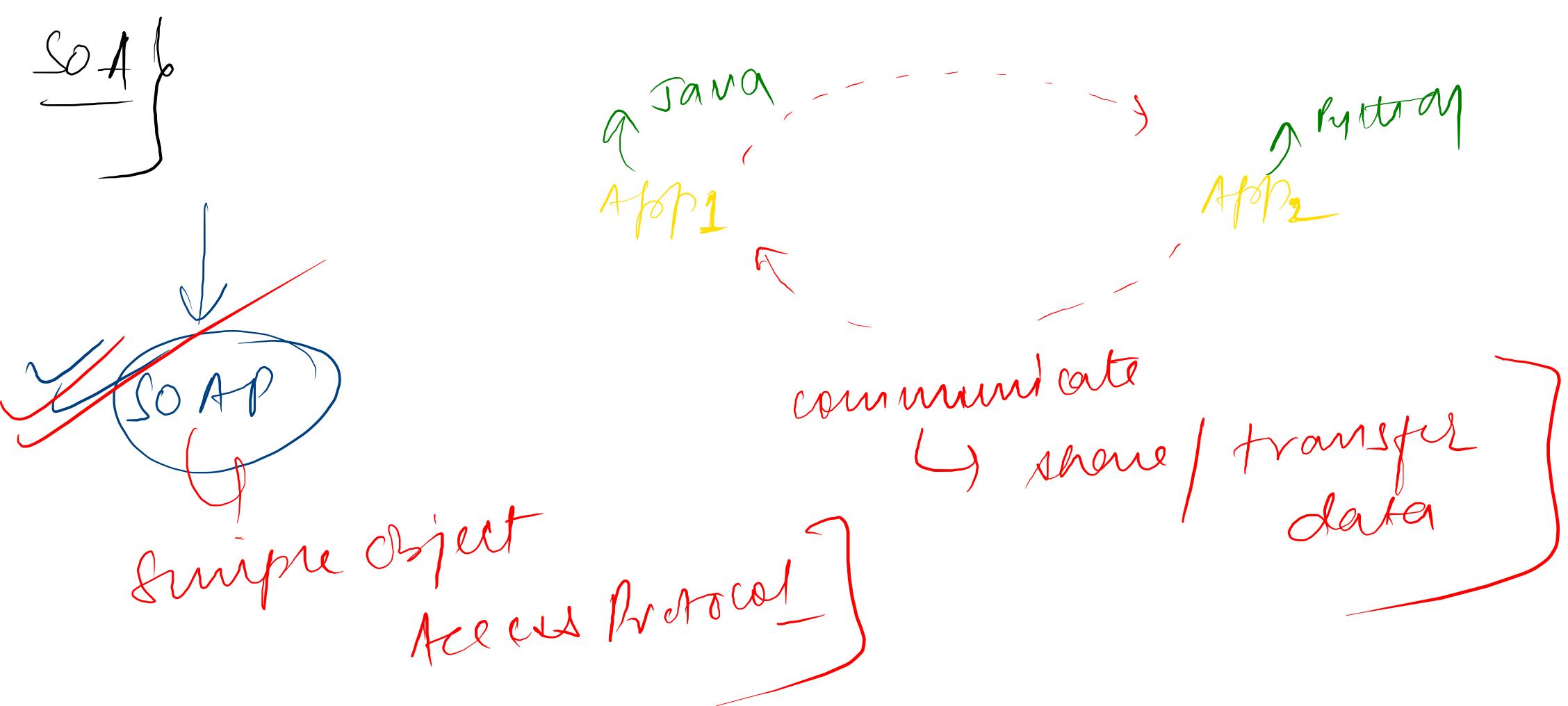
SOAP
REST

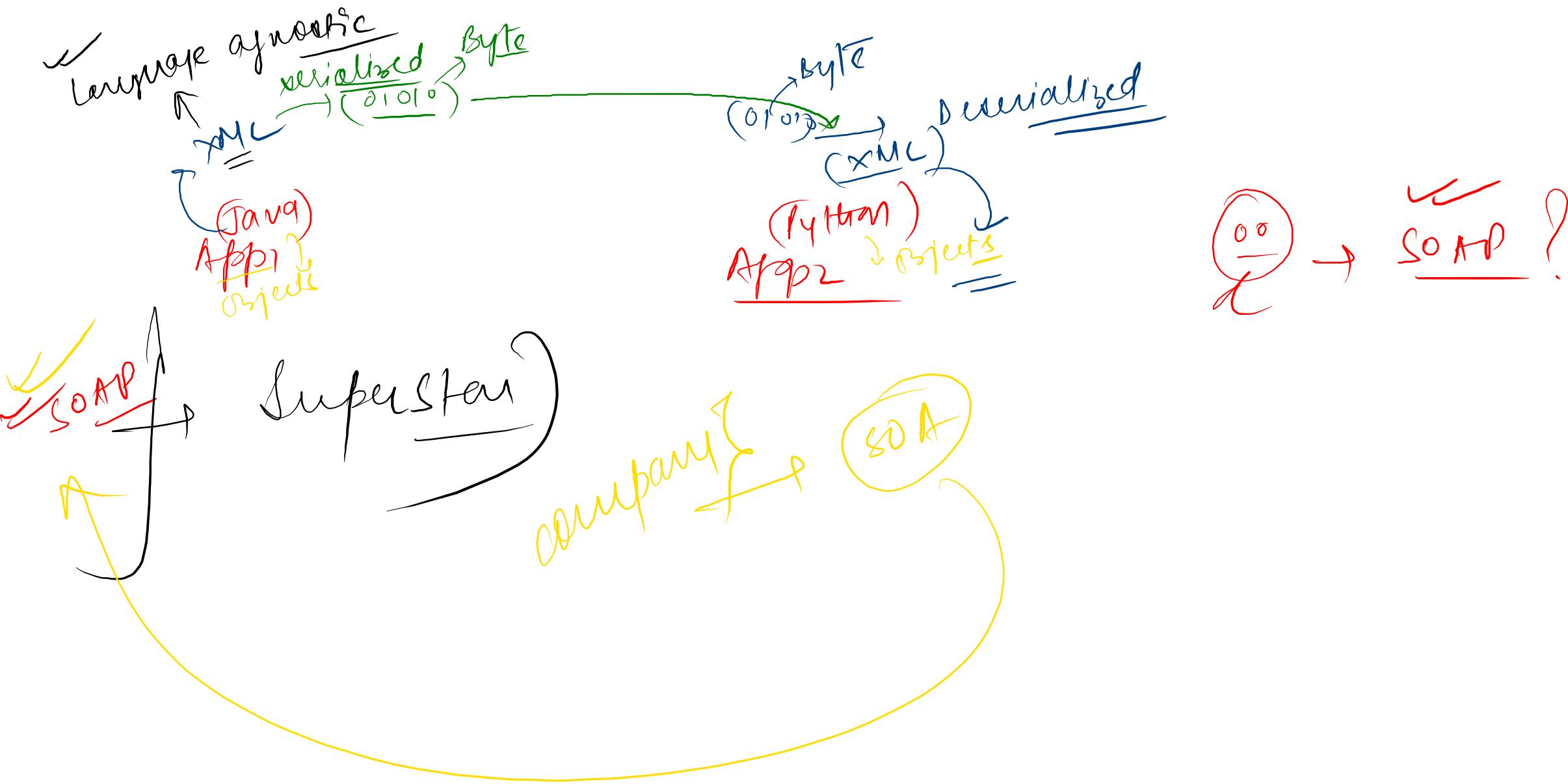
HTTP } TCP / UDP

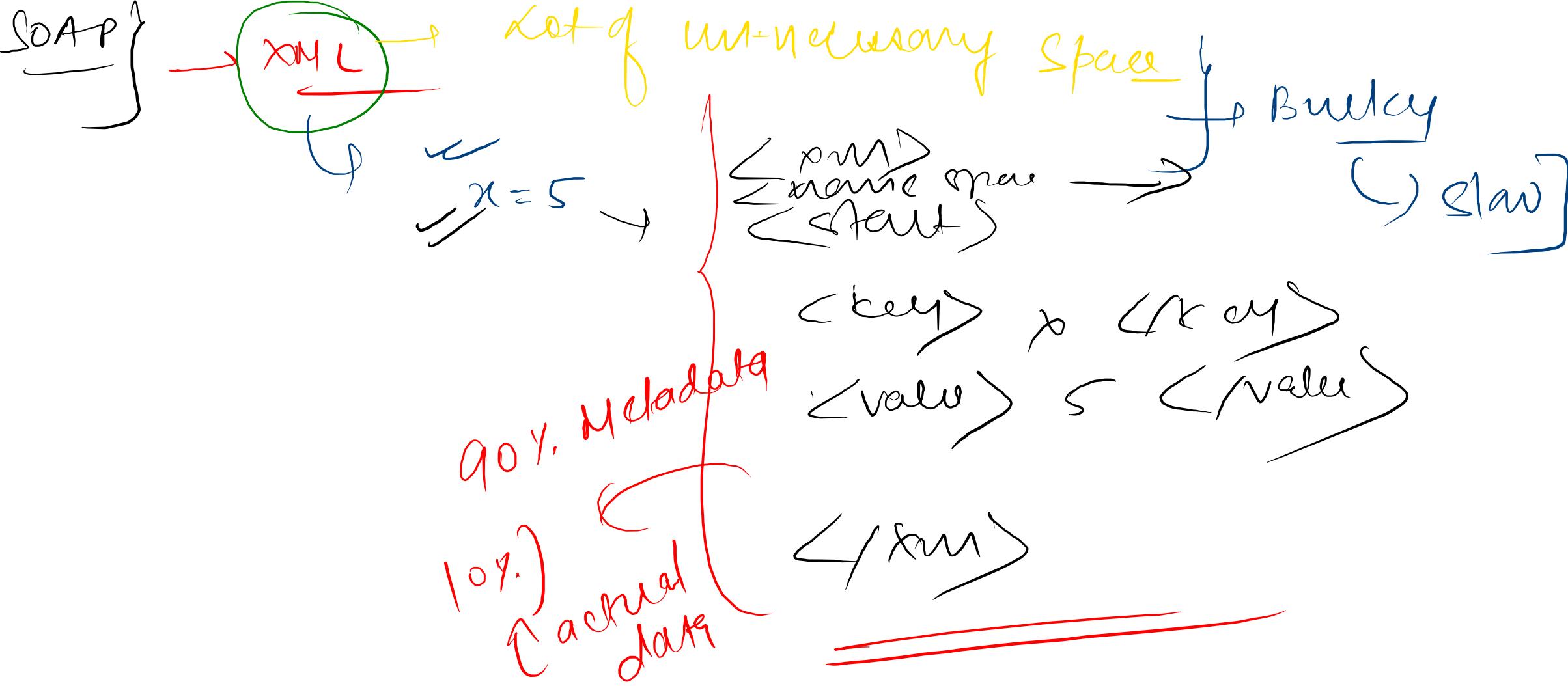
Web socket / server sent events

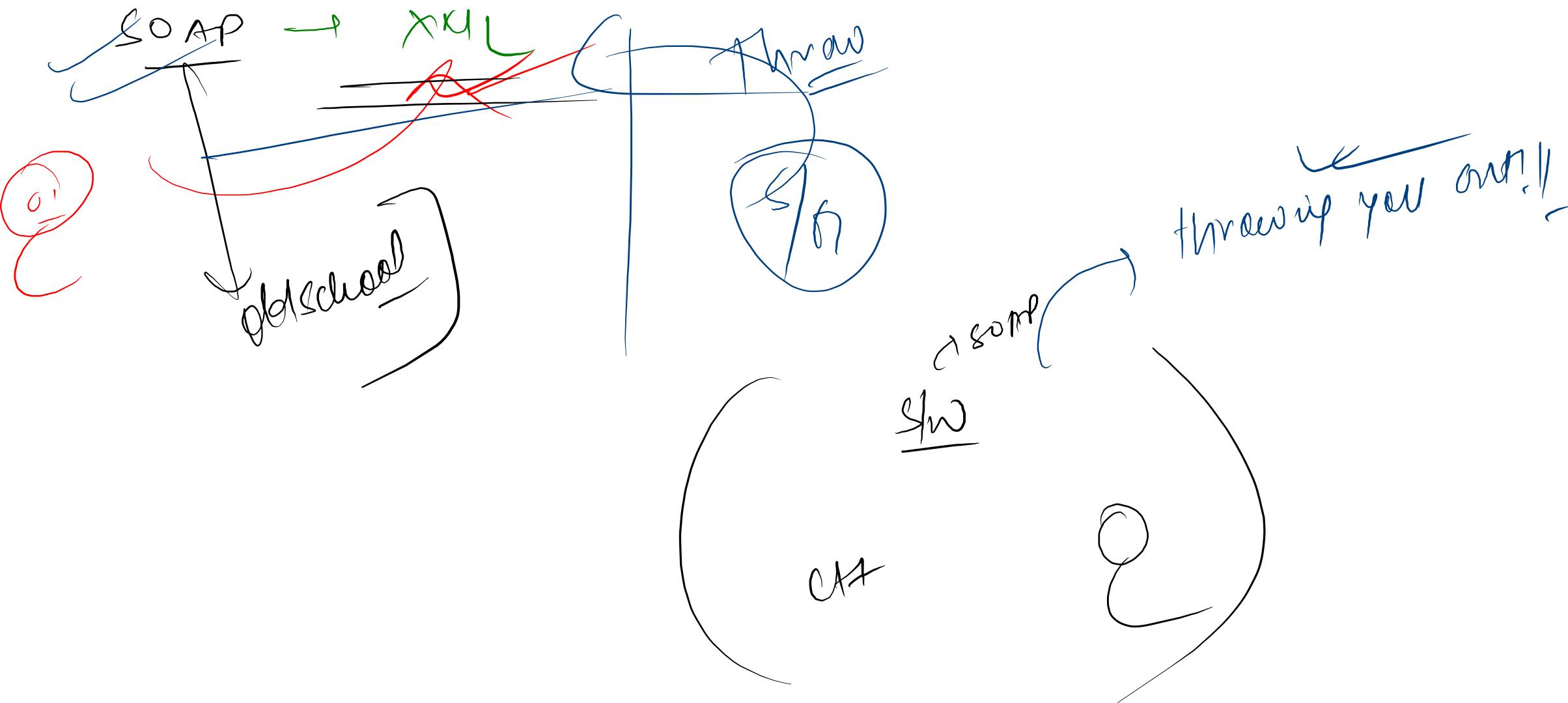
Long polling

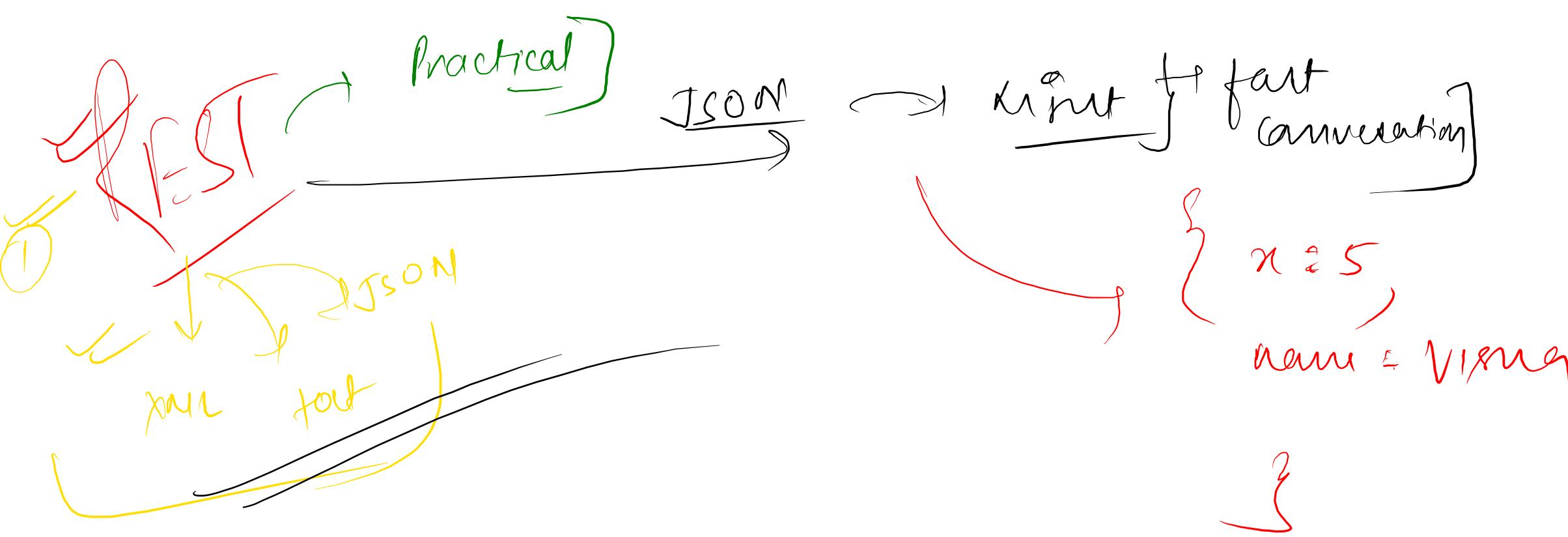


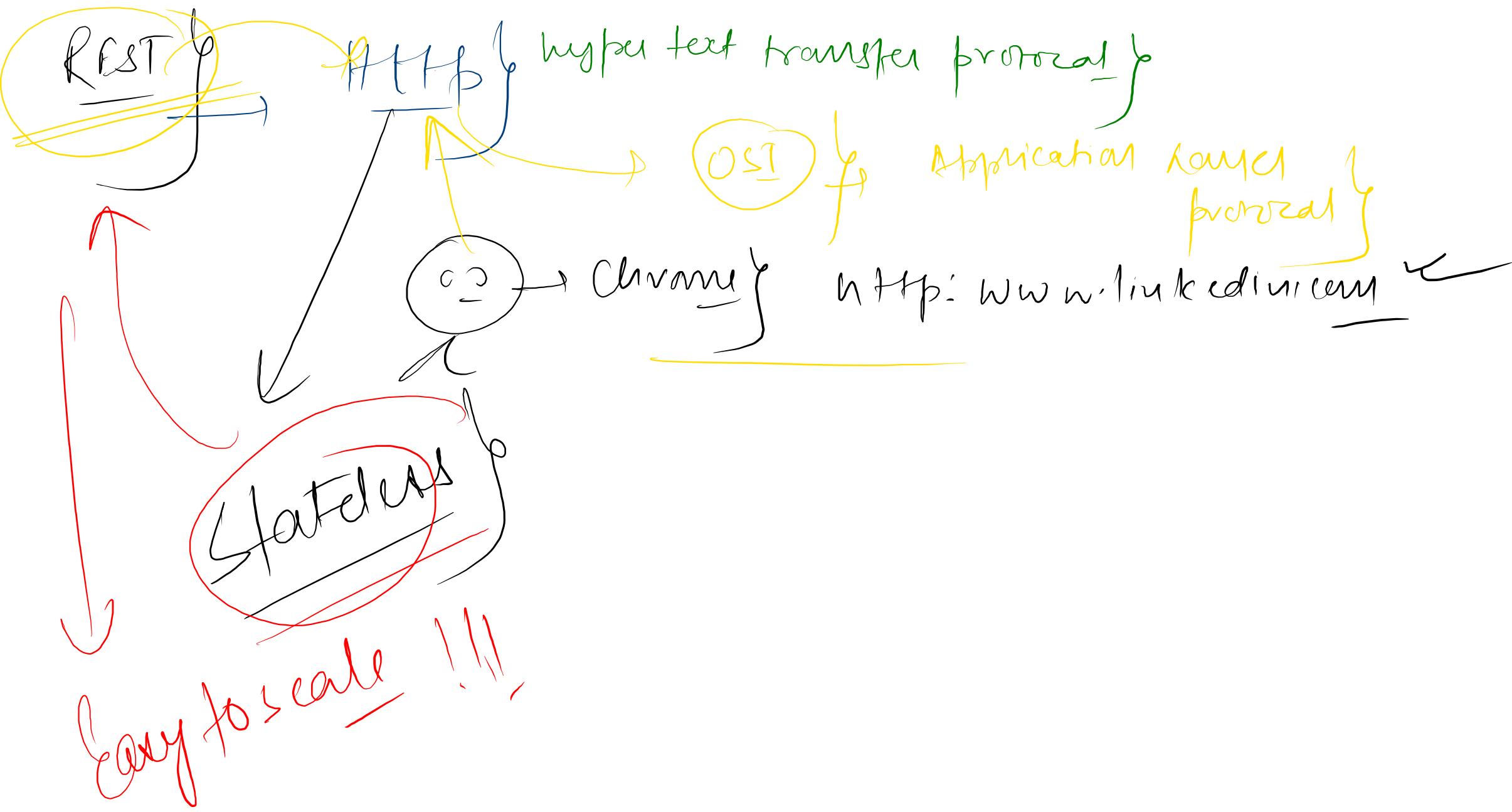












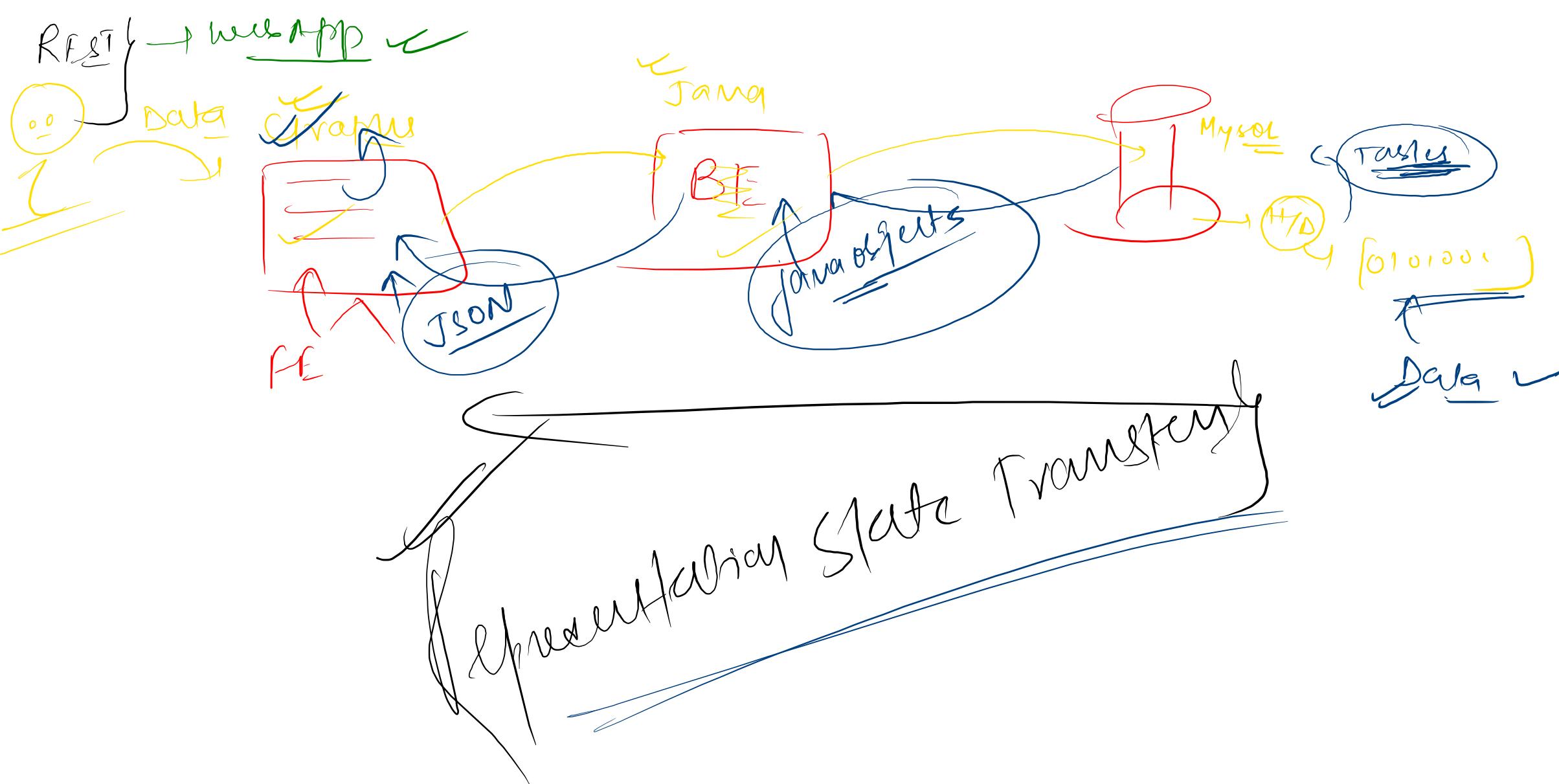
REST) ?

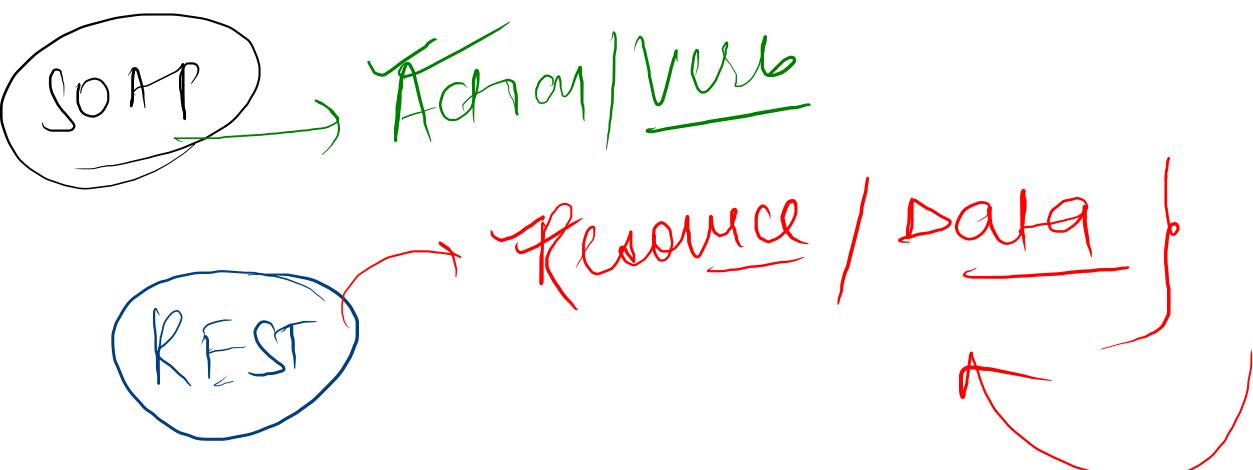
Represent about
state Transfer

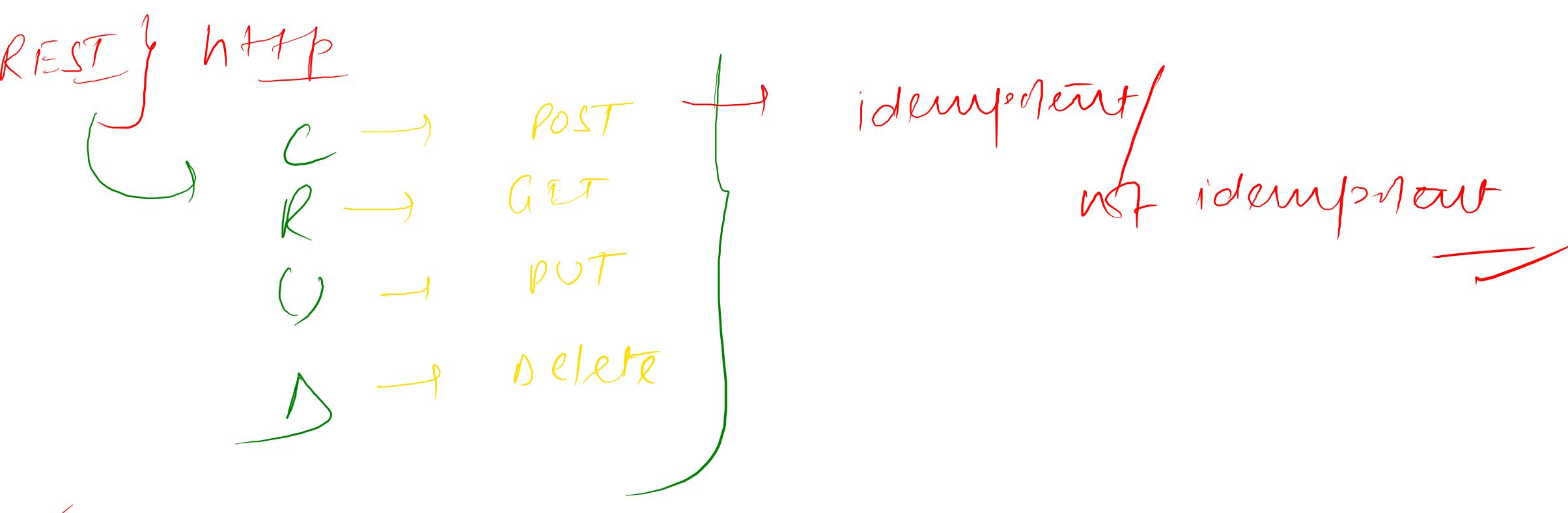
Meaning ?

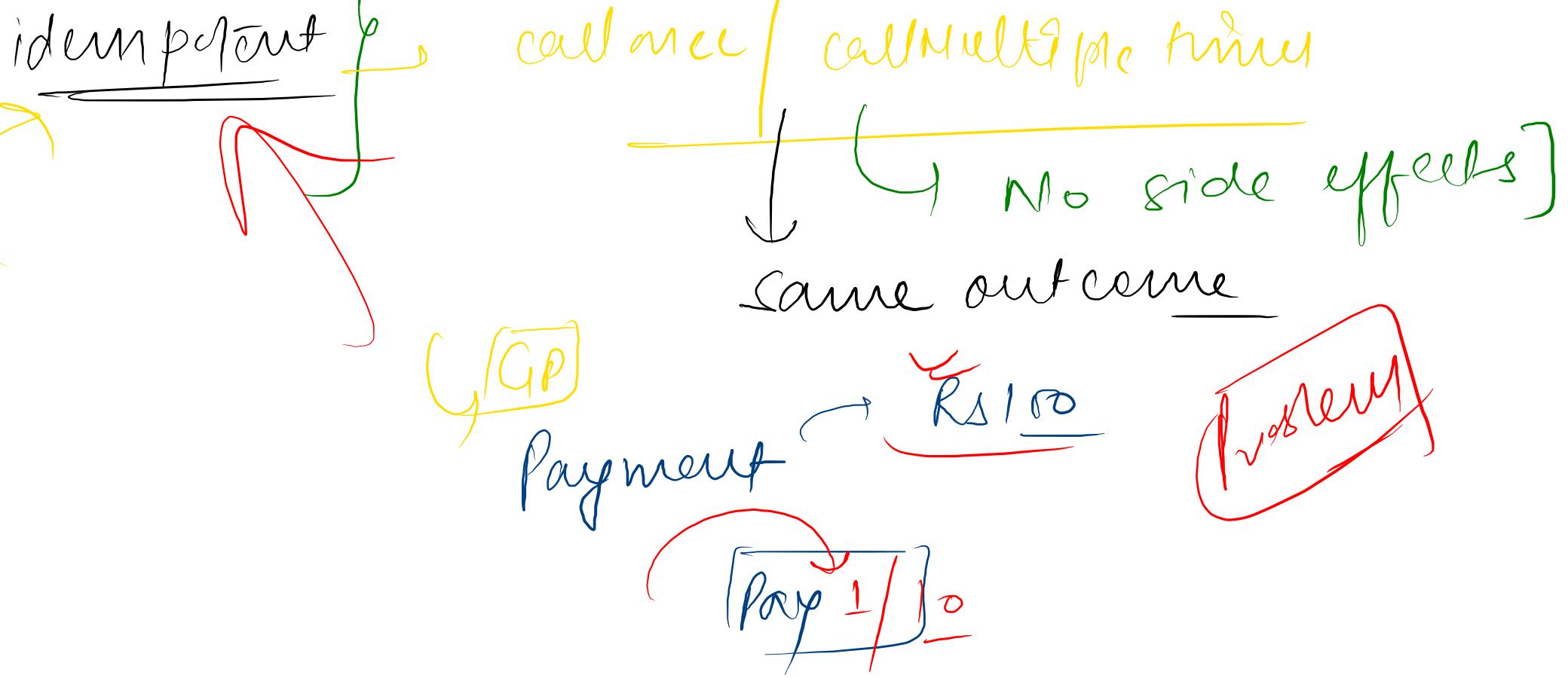
Meaning

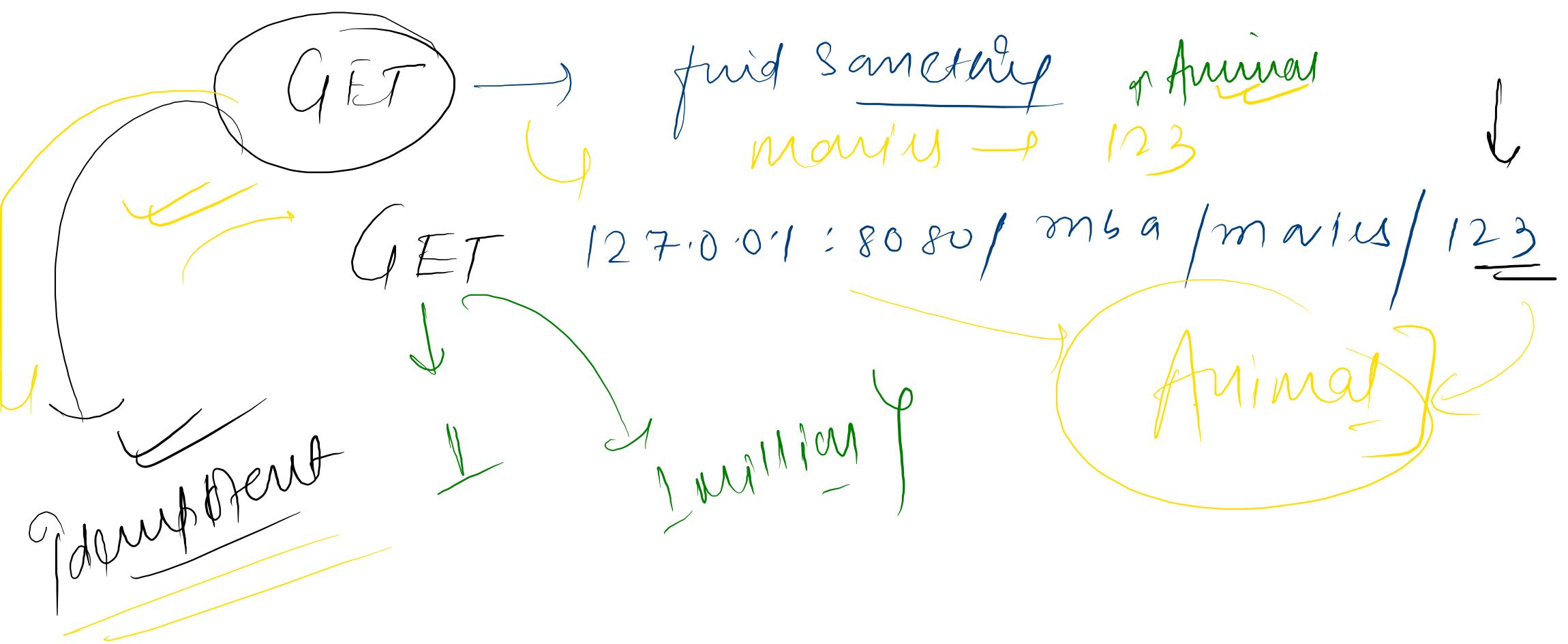
A hand-drawn diagram illustrating a conceptual flow. On the left, a yellow circle labeled "REST" is connected by a yellow line to a green line graph consisting of two horizontal lines with a single peak in between. Below this graph is a green circle labeled "Meaning?". From this circle, a green line extends to another green circle labeled "Meaning". Above the graph, the text "Represent about state Transfer" is written in yellow. To the right of the graph, there is additional yellow handwriting that appears to be a question or note.



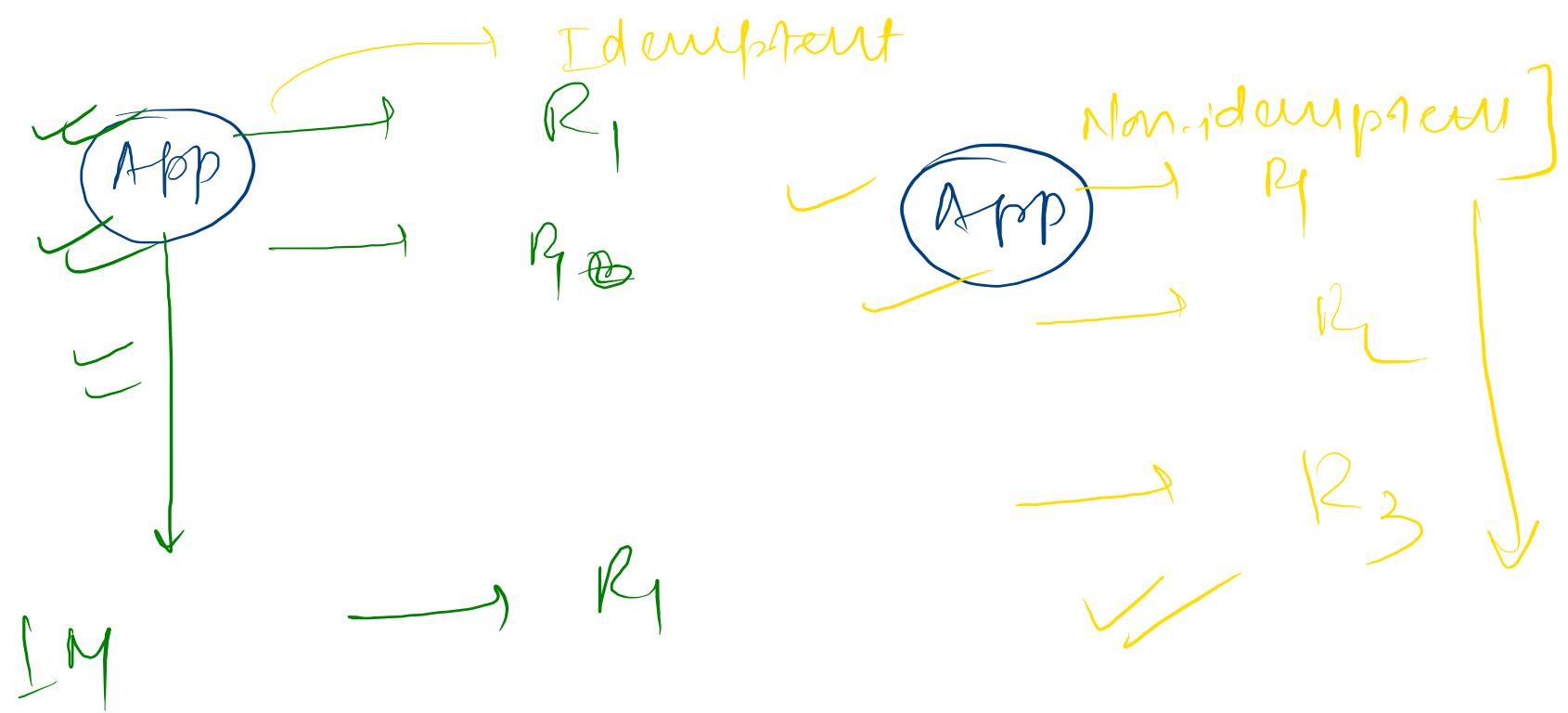


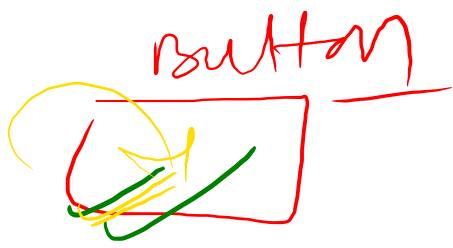




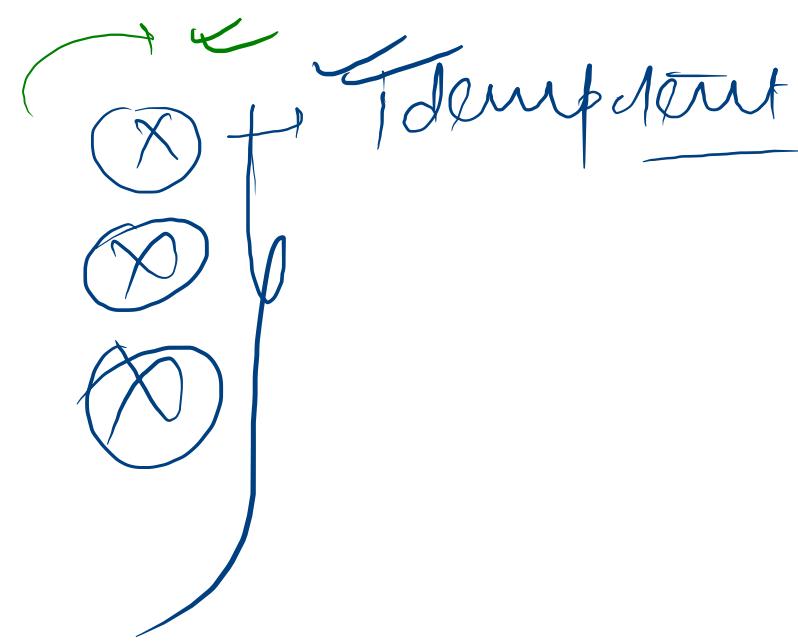


jdumpNet





button



GET ↗
PUT ↗ for Idempotent

Update

PUT 127.0.0.1:8080/app/users/5

==

{ "name": "y" }

| idempotent / fail

id=5
name → x
y
y

①

name → y
c.name = y

②

→ name → y

③

→ name → y

Lyon

→ name → y

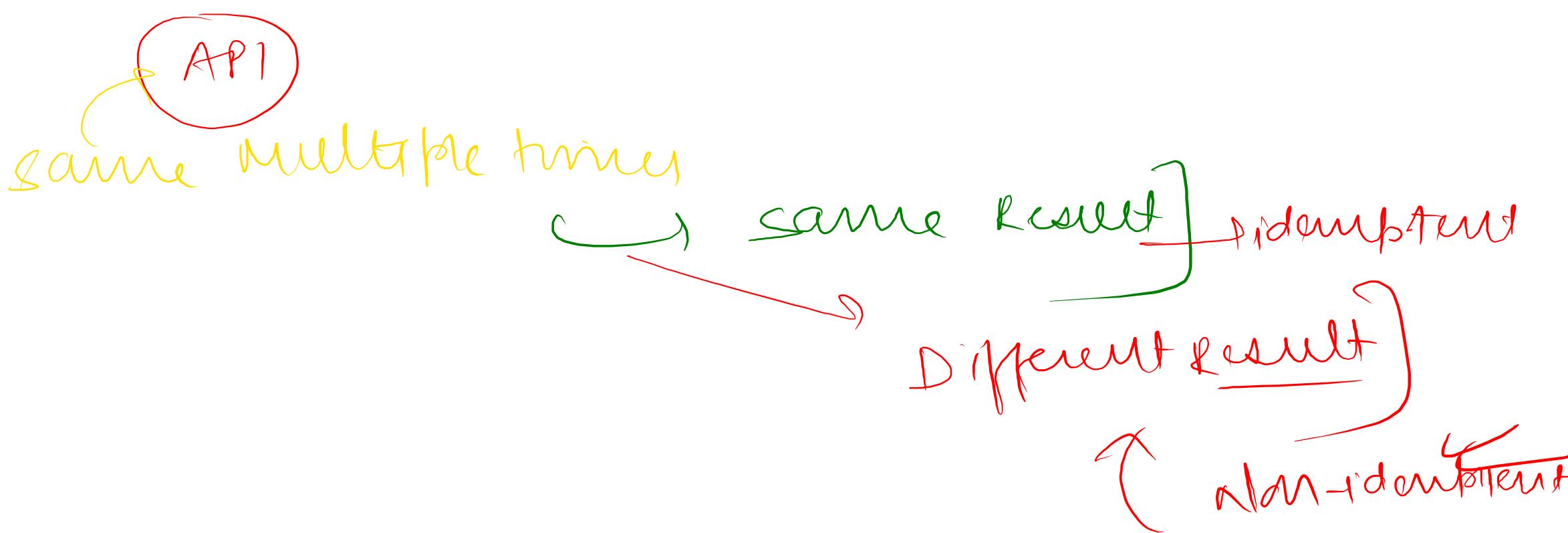
PUT [f, update]]

PUT 127.0.0.1:8080/vms/vehicles/123

same result { color: black }
PUT → color = black
dumpster

↑ 123
vehicle
color = yellow ↘
↓ black

① PUT → color = black
② PUT → color = black
③ PUT → color = black
↓ mutation → color = black



Create a Movie

↓ POST

POST 127.0.0.1:8080/mbs/movies

④

{ name: my2
language: English

New movie

{ id: 1
name = my2

? language: English

Non-identifying

2nd

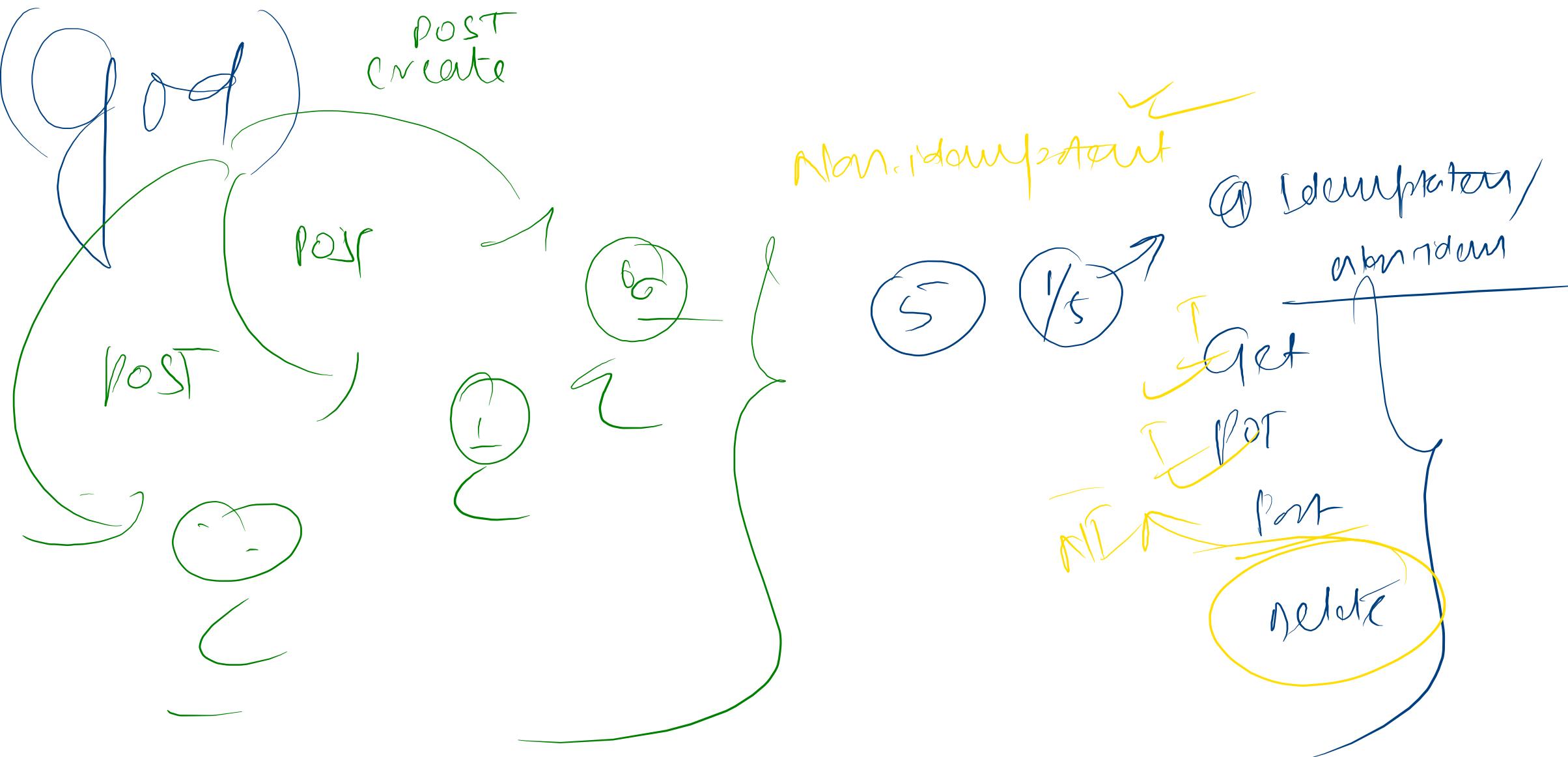
3rd

{ id: 3
name: my2
language: English

{ id: 2
name: my2
language: English

POST → Non-idempotent
↳ creation of the resources

create
persisting



Delete → Idempotent

Marie → id=569

DELETE 127.0.0.1:8080/movies/569 ↑ Remove

Idempotent
Non-idempotent

① Delete →

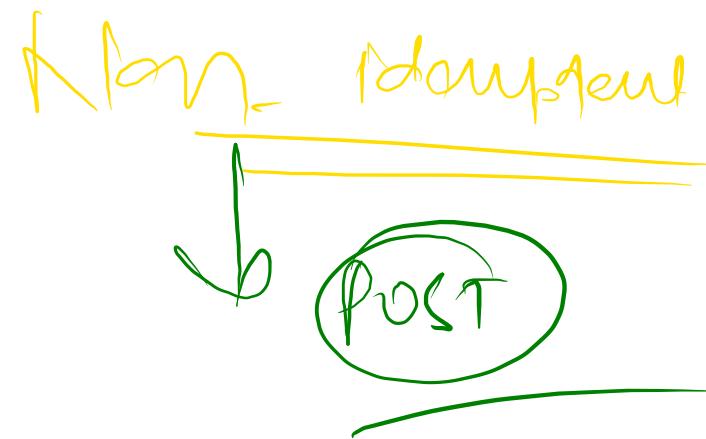
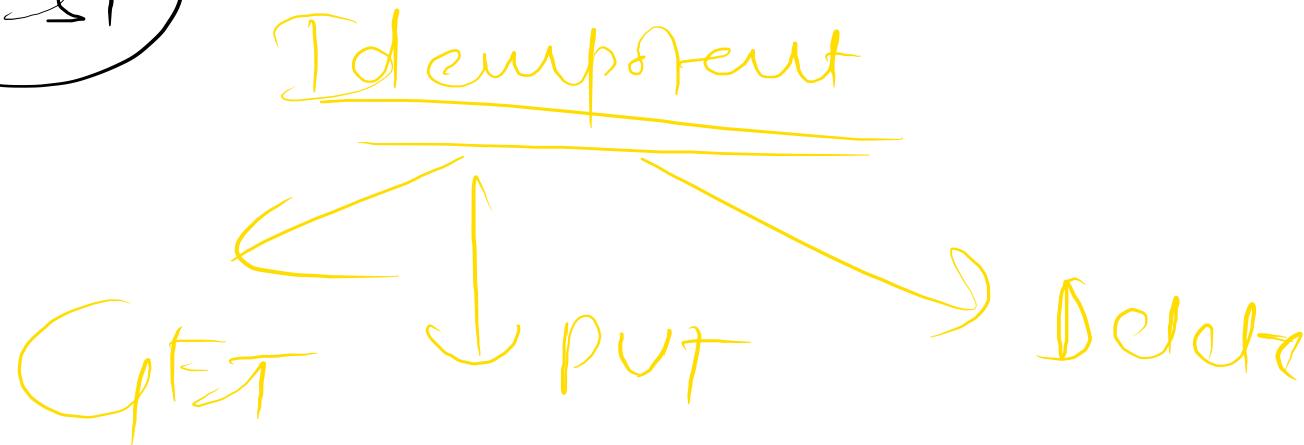
569 is deleted / no one present

② Delete →

None present

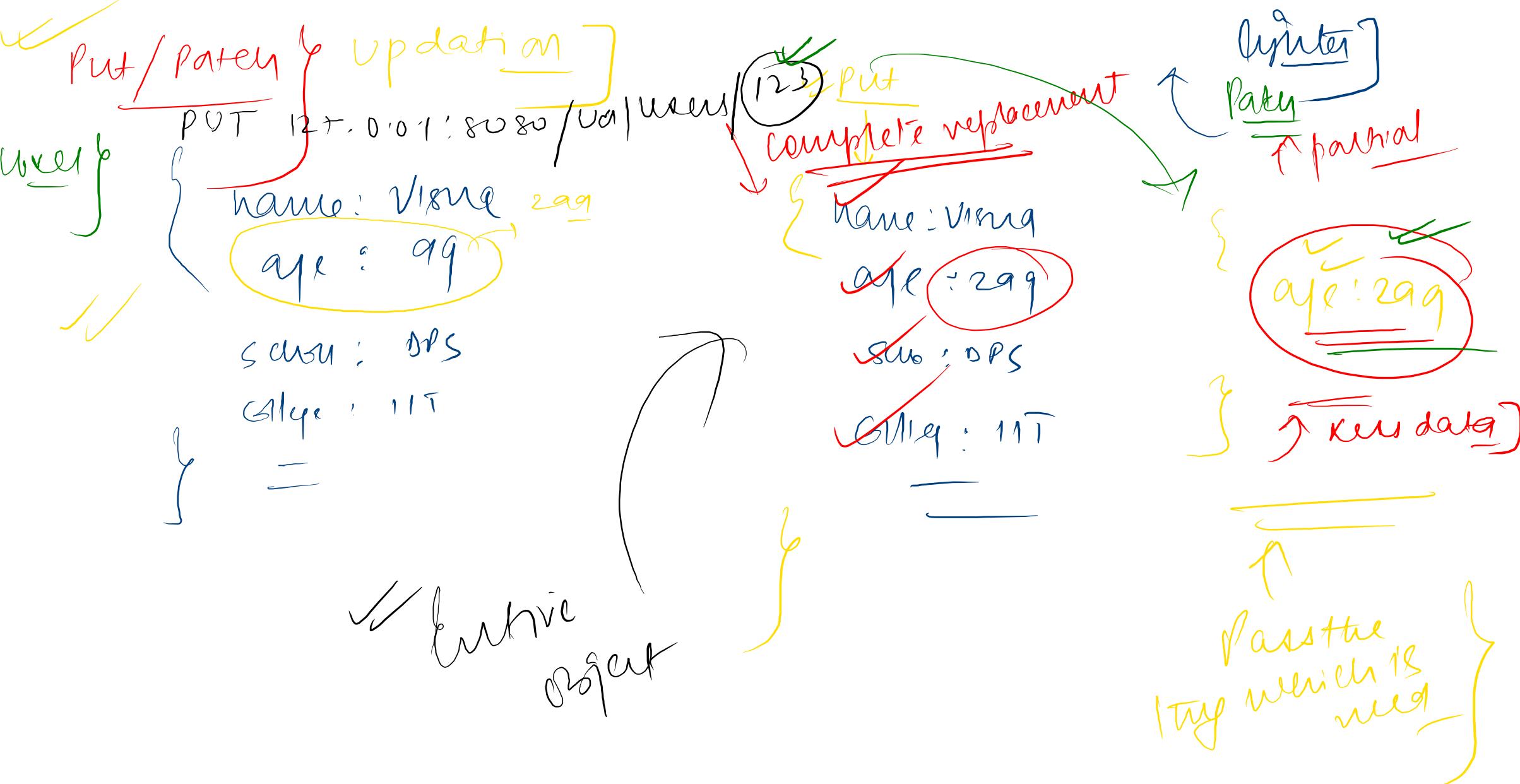
Any Delete → No more present

REST

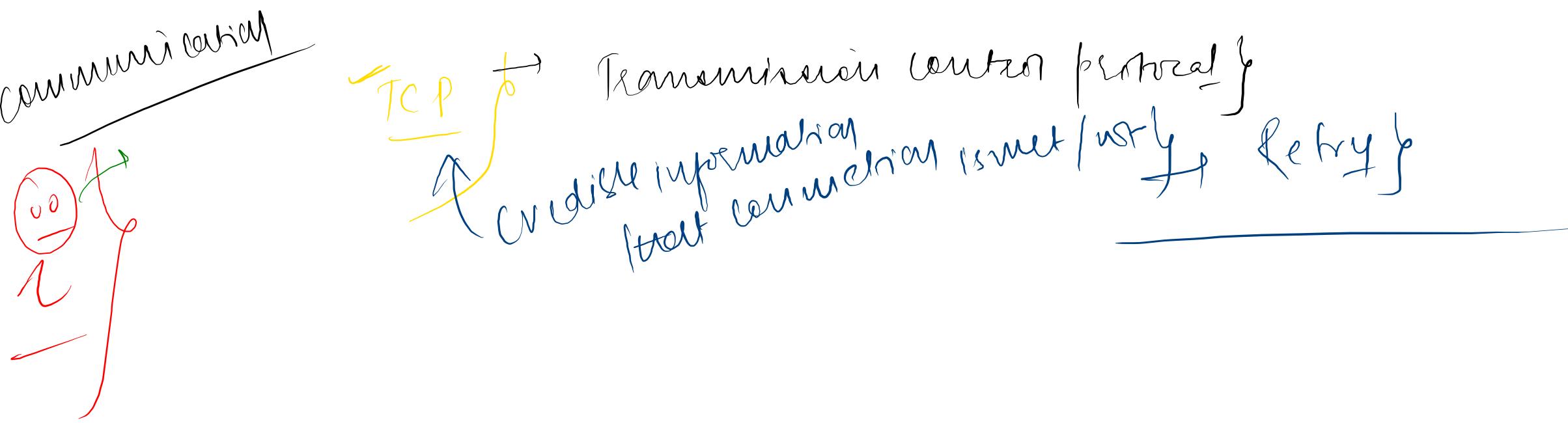


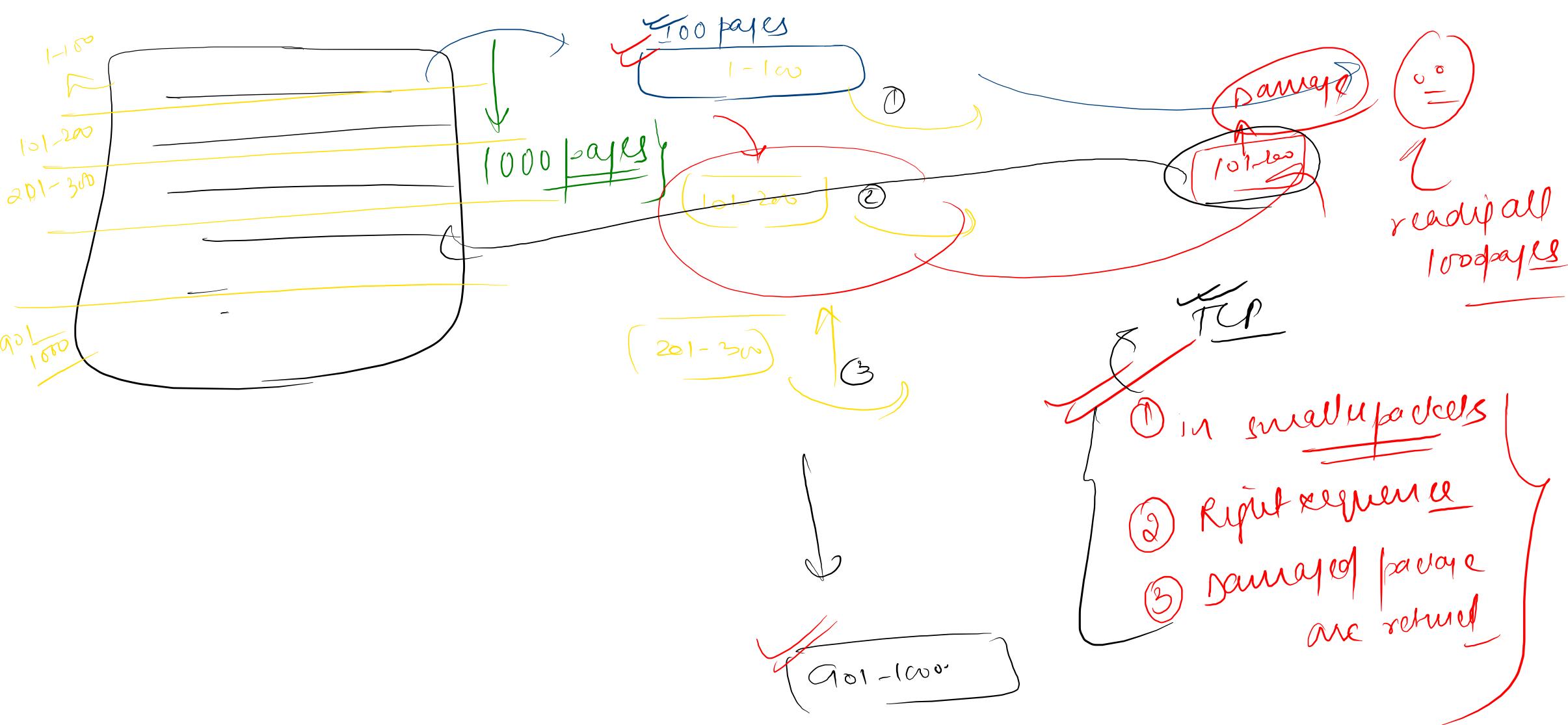
~~EST~~

Put and Patch (APIs)



~8:35 PM } Break
↓
10 minutes

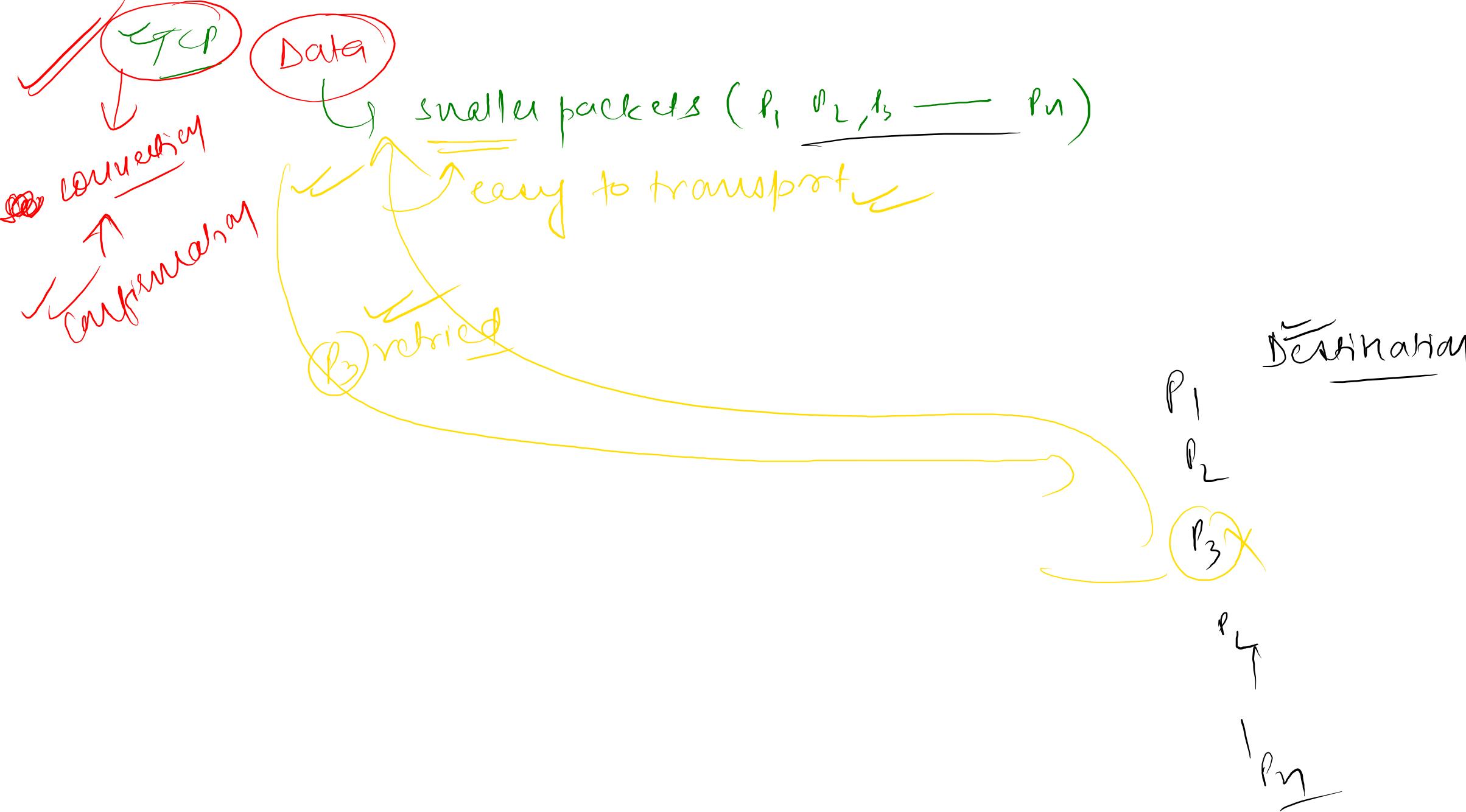




~~TCP~~

- ① in small packets
- ② right sequence
- ③ damaged page are returned

read all
1000 pages



~~TCP~~ ↗ ① connection
② confirmation connection ↗ slow connection +
communication]

TCP → Queue window size
→ Determined → adjust
Optimally → expansion

○ → www.facebook.com

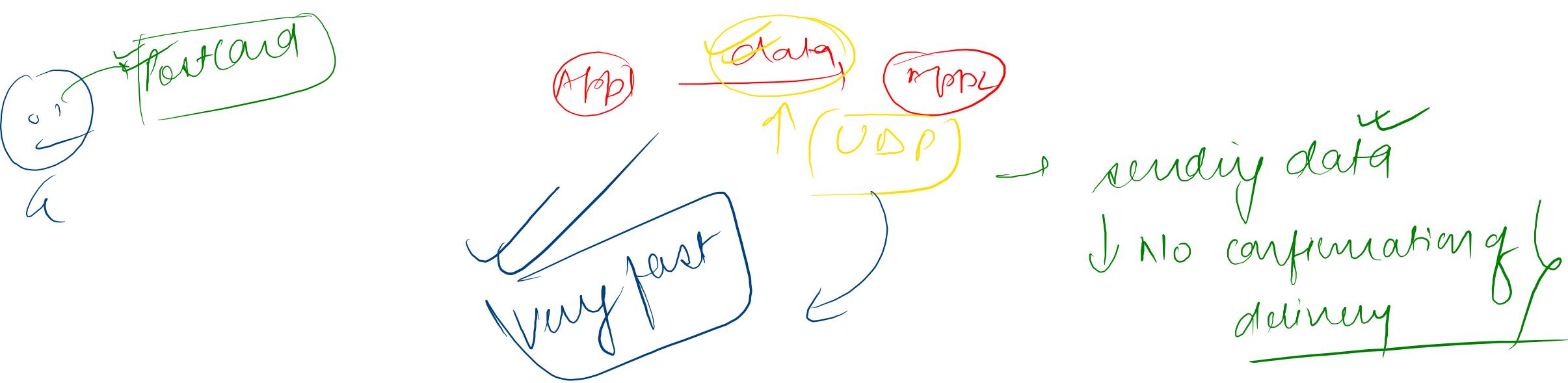
internally it makes a

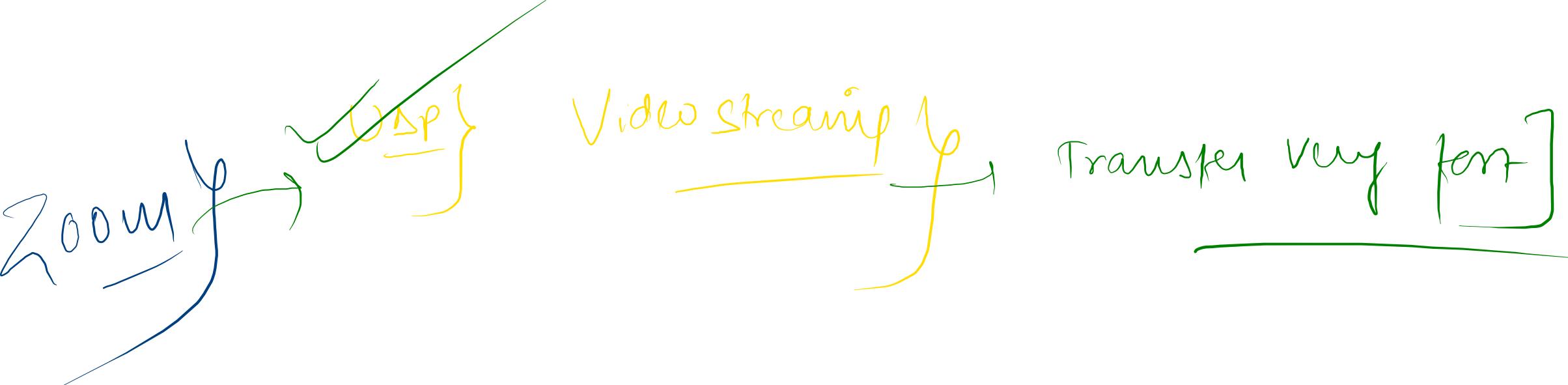
Transport layer protocol
TCP communication

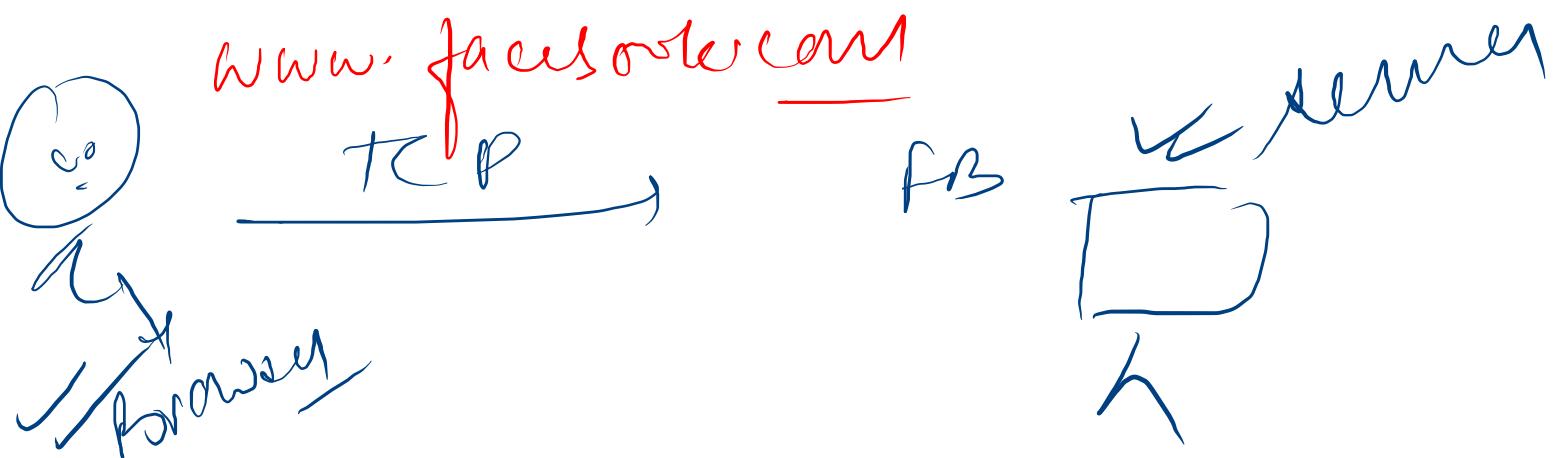
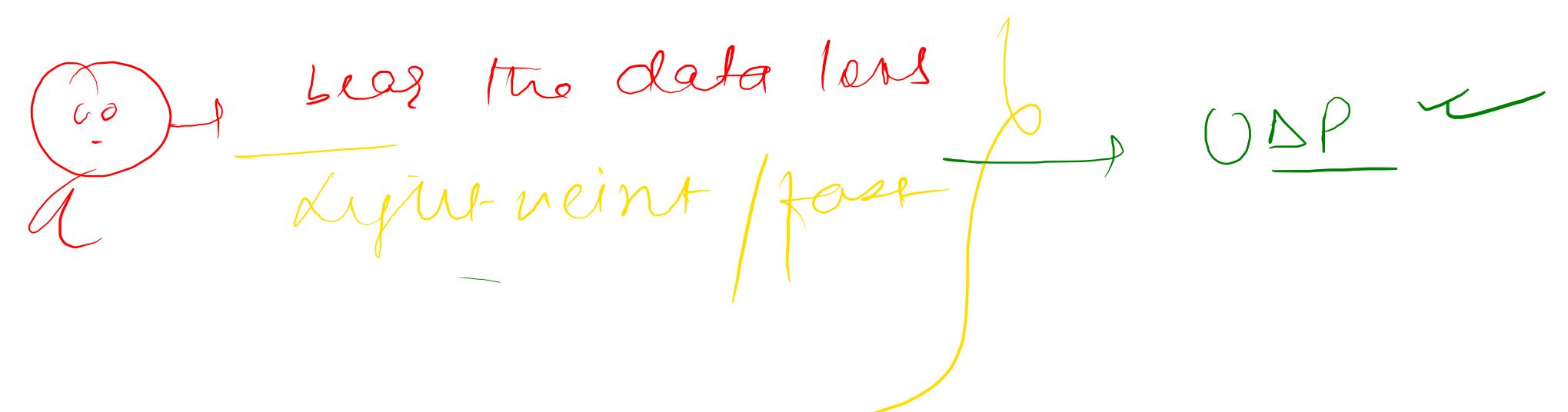
UDP} User Datagram Protocol}

~~Send the data~~

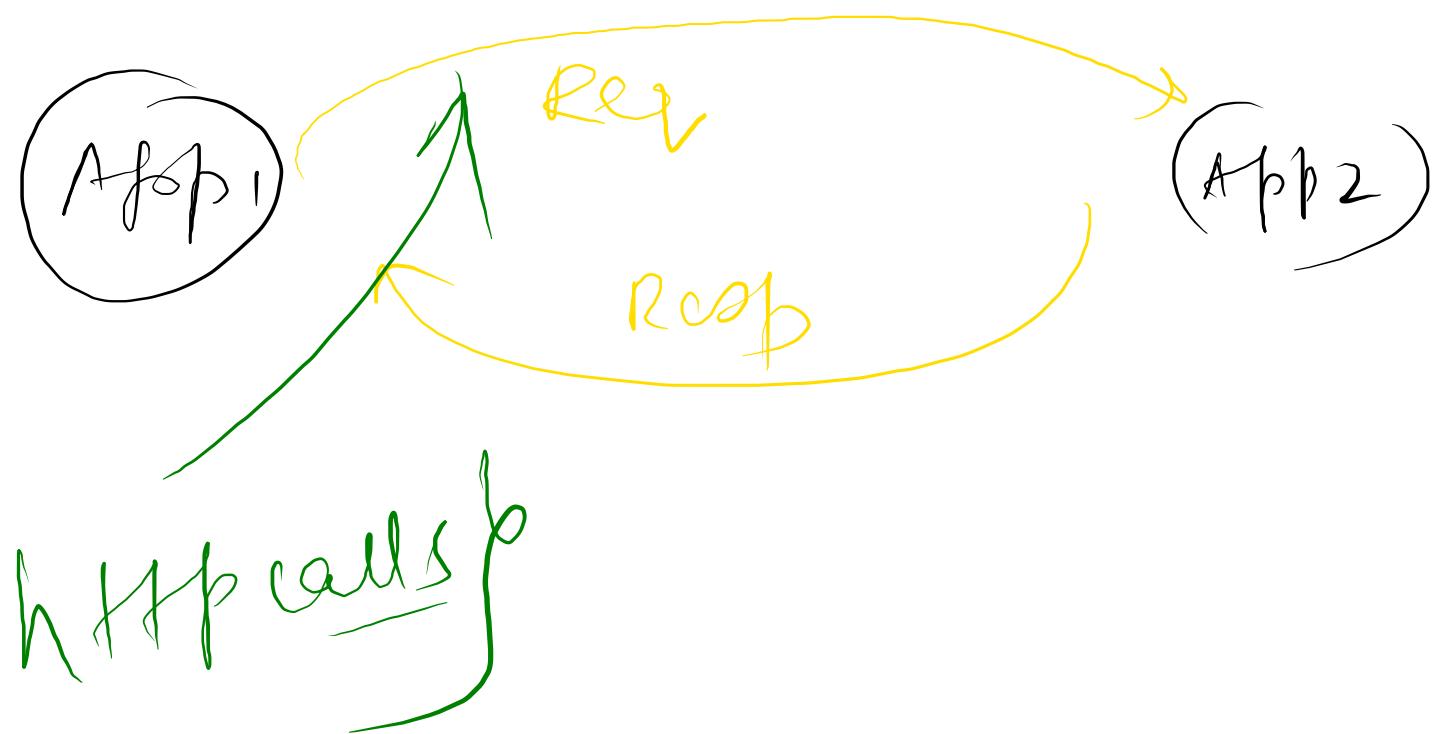
↑ Don't care if others receive if they received

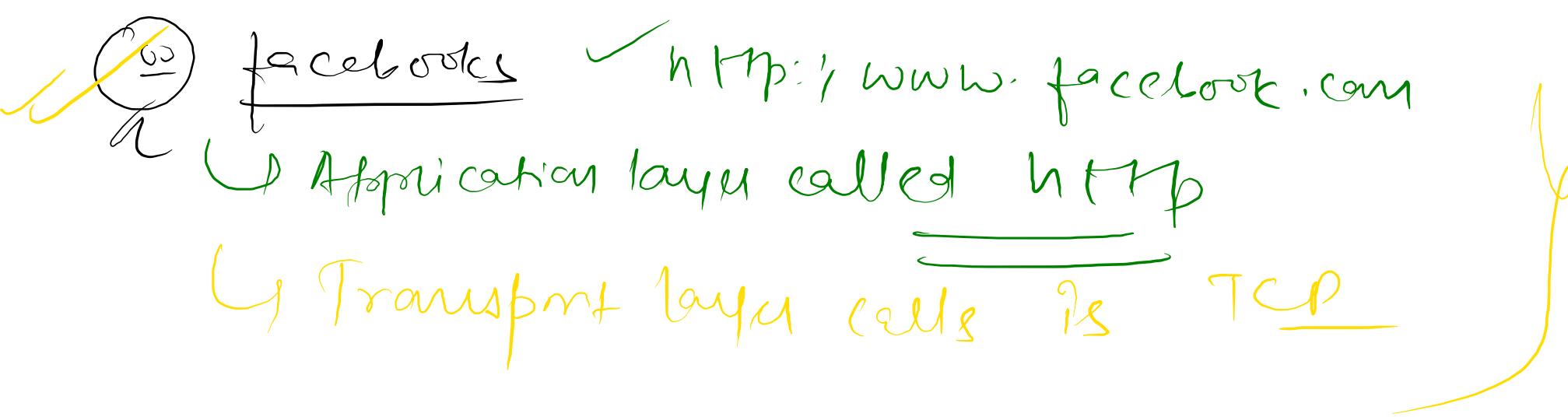




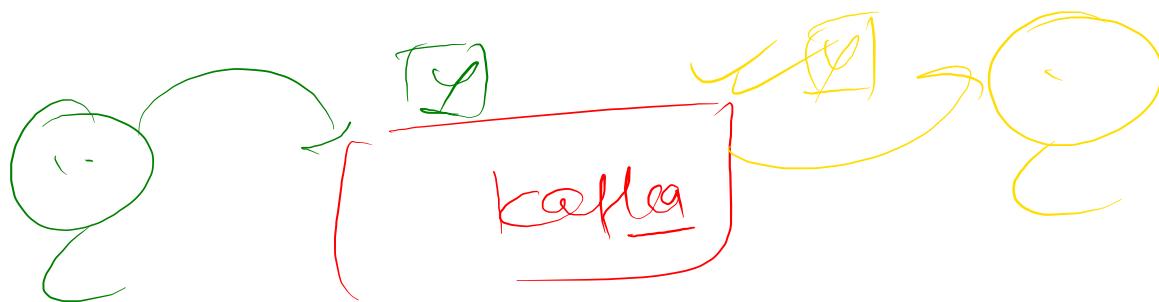
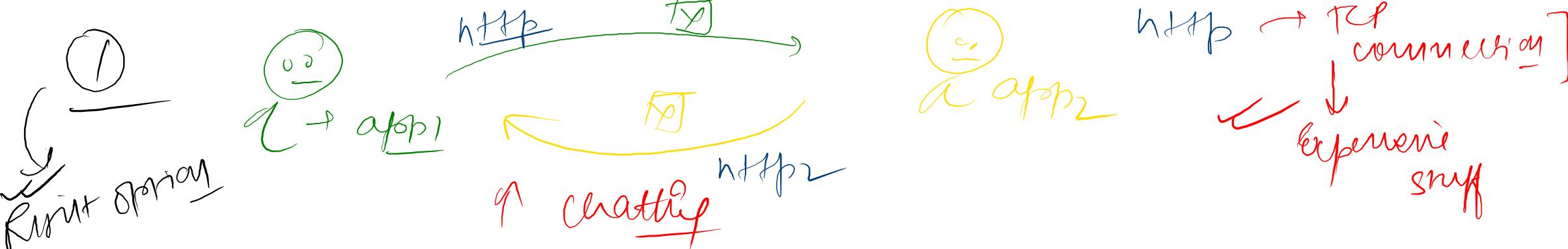


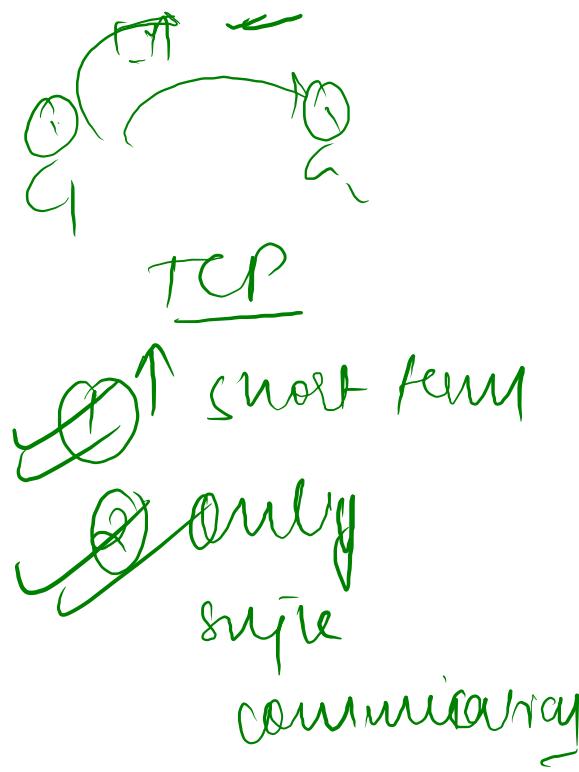
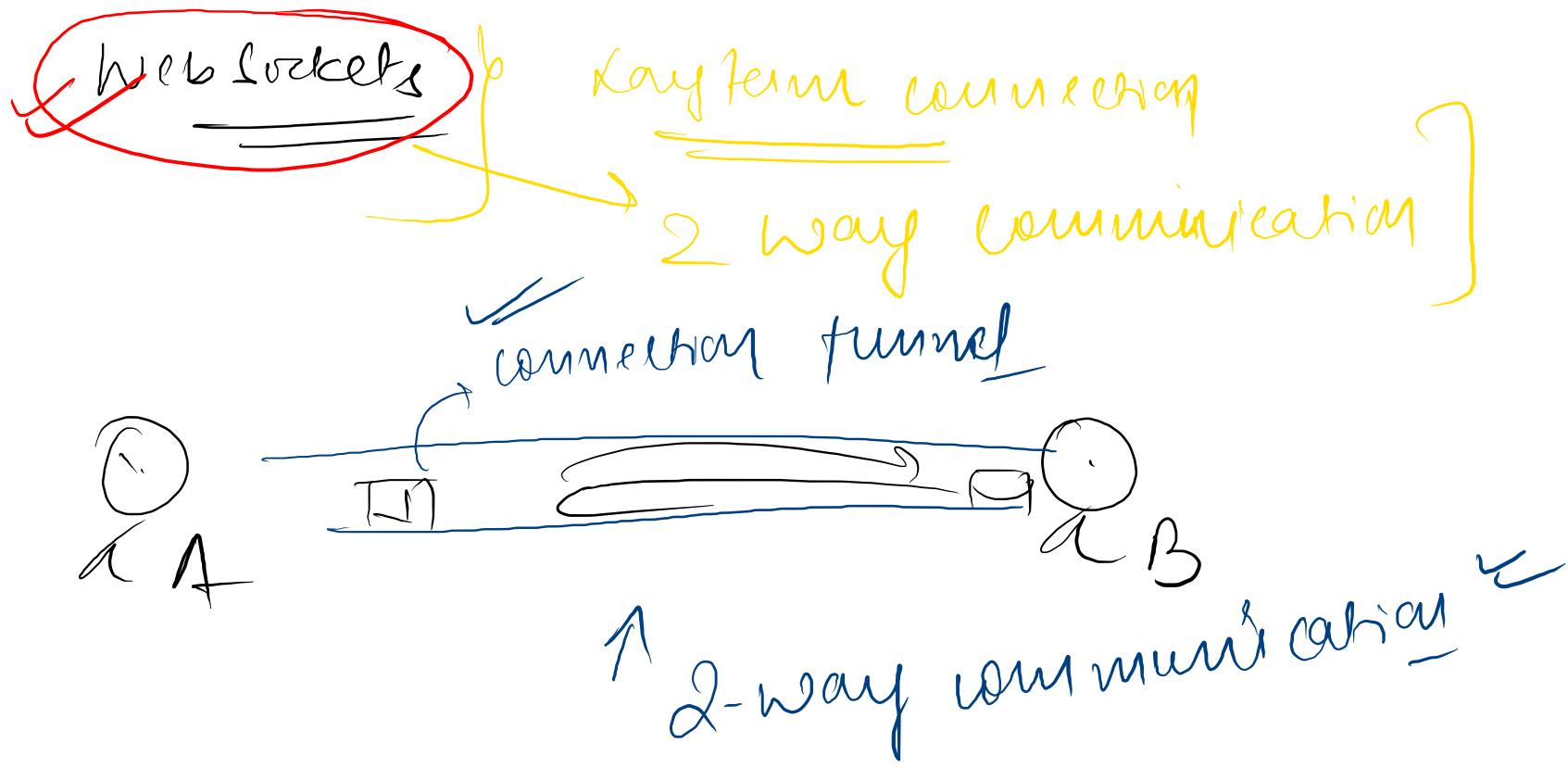
Http Connection }
[~~Application layer protocol~~]



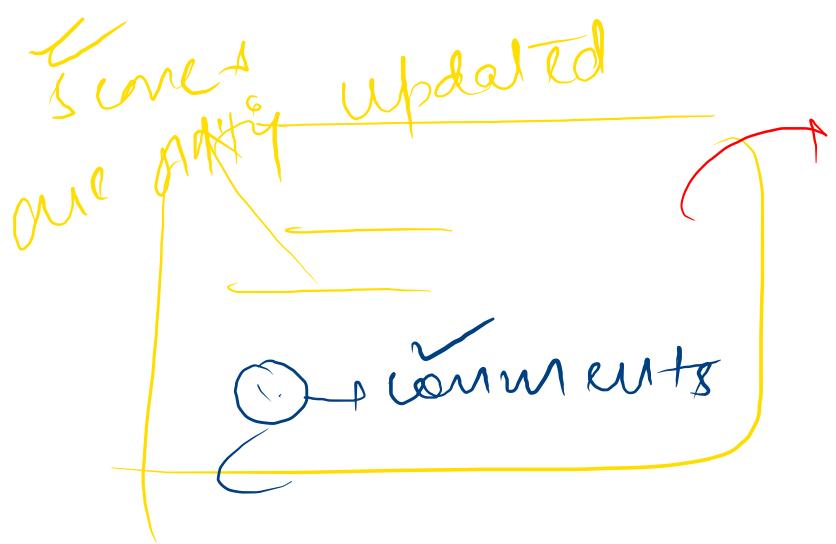


~~small chatty application~~





expn orientation



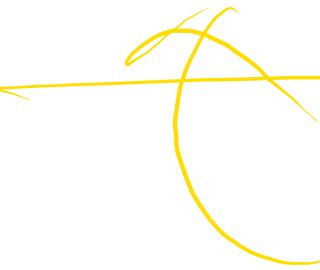
U
WebSockets



Update content [other ways]
w/o hard refresh

① ~~Facebook~~

WhatsApp

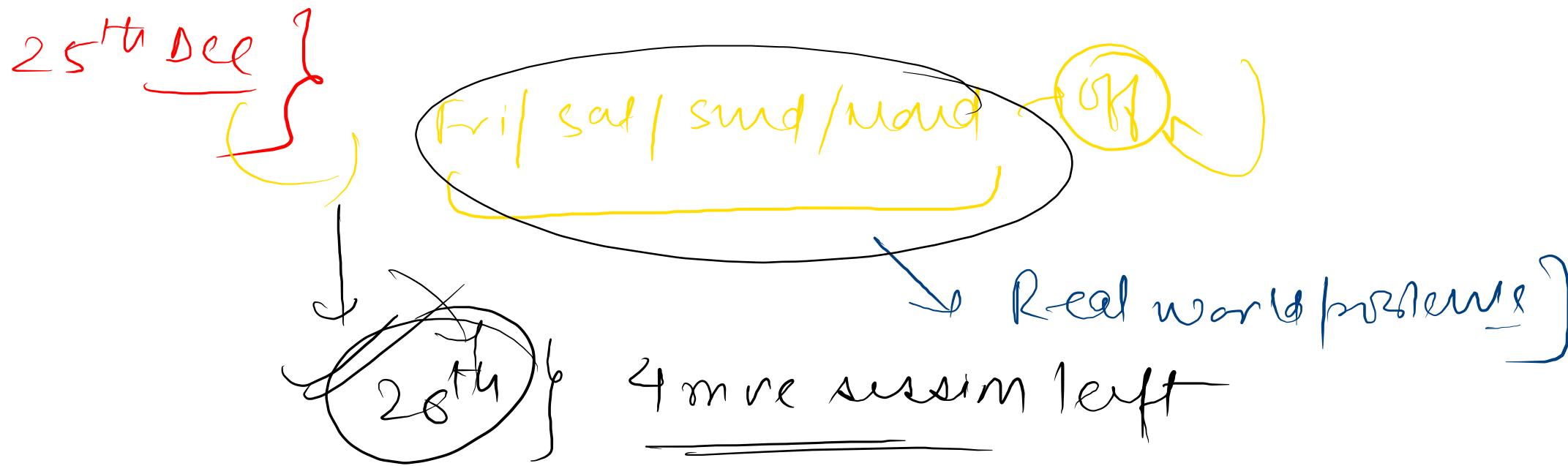


web sockets!

Messenger

WebSockets

kafka



Assignment

Web crawler)



app/bot

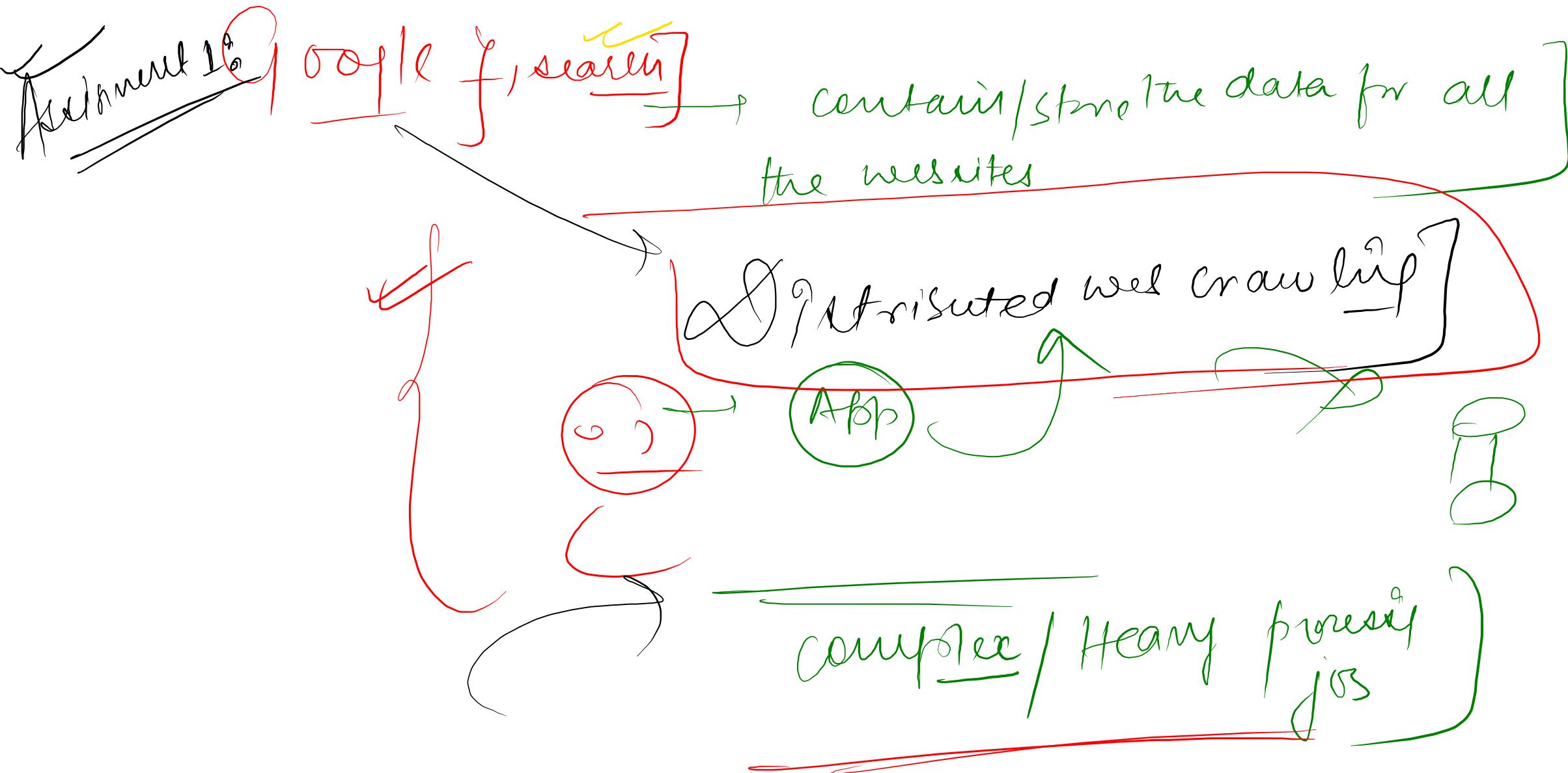
↳ website

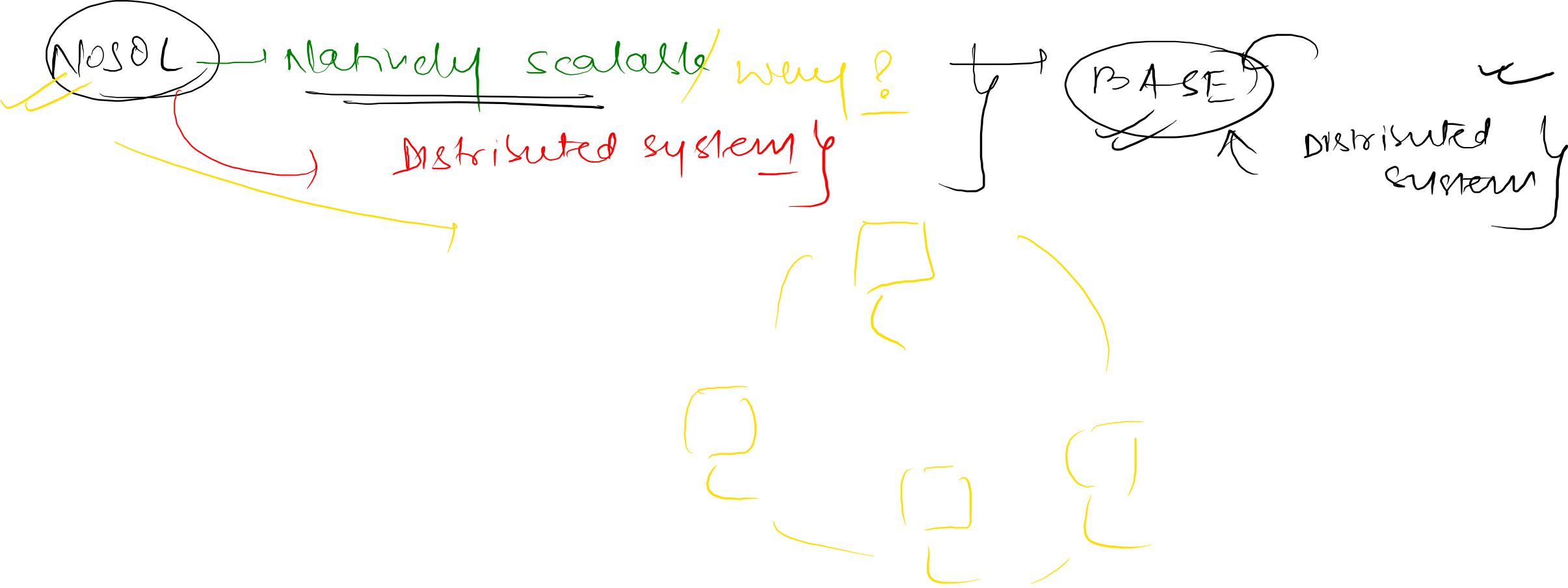
↳

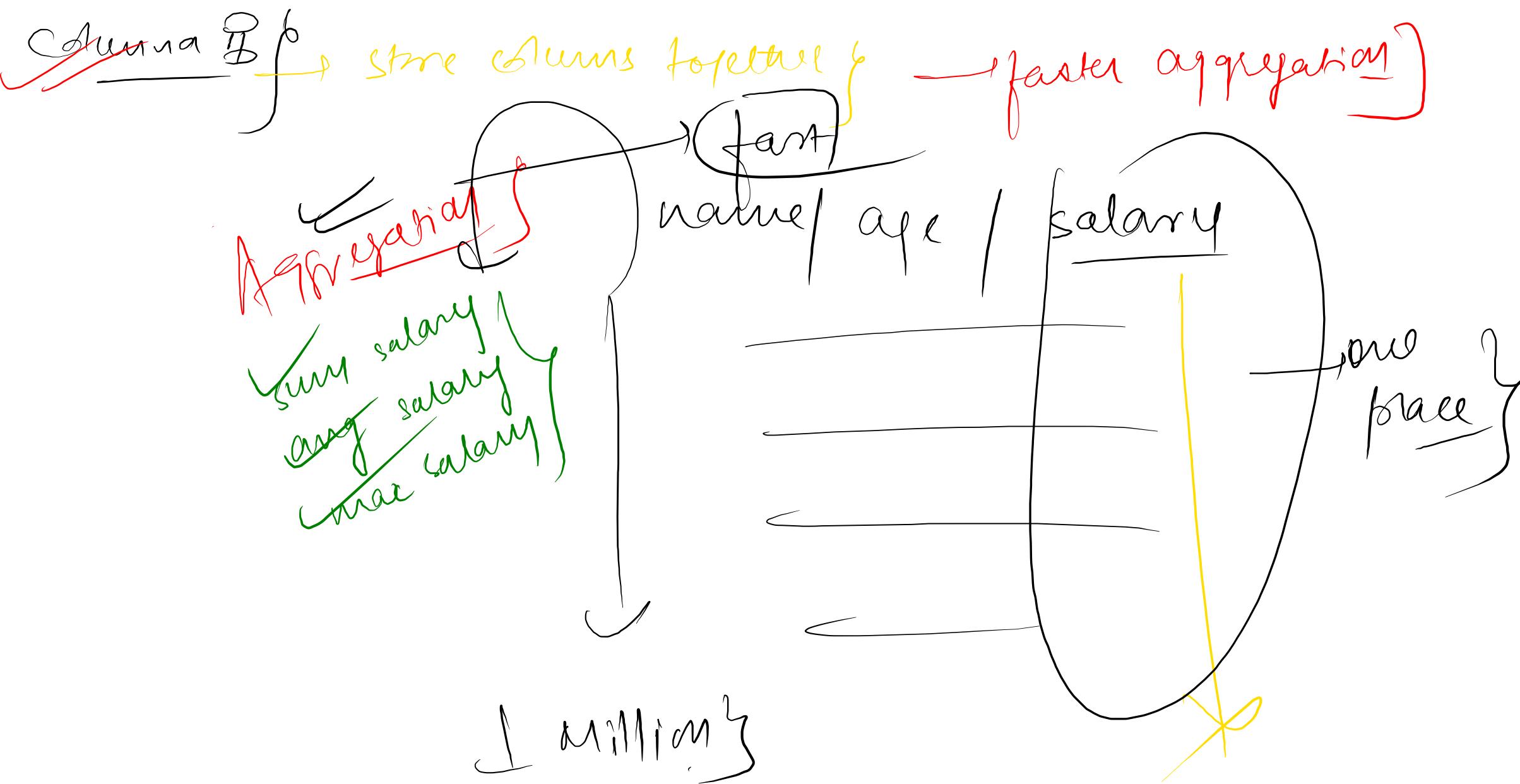
scam

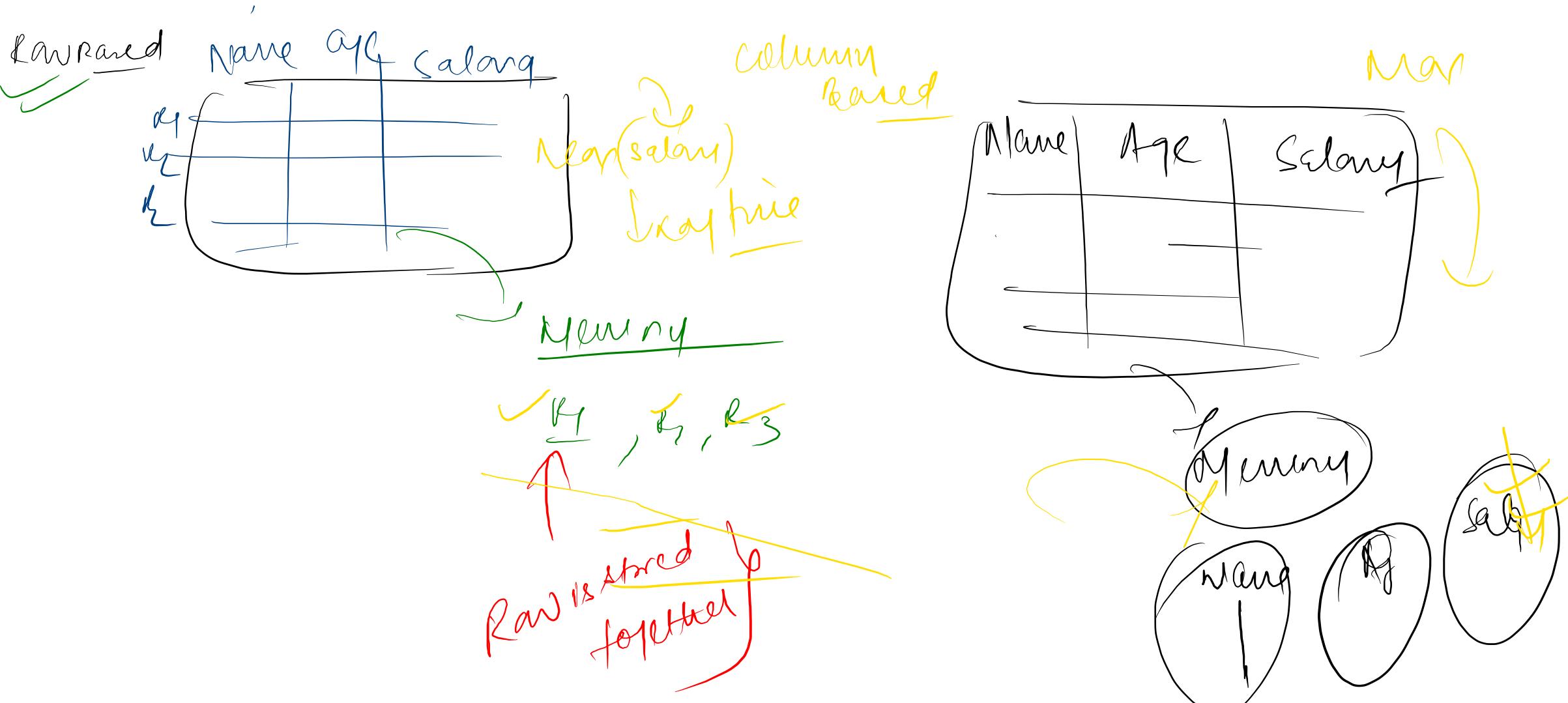
other website
links

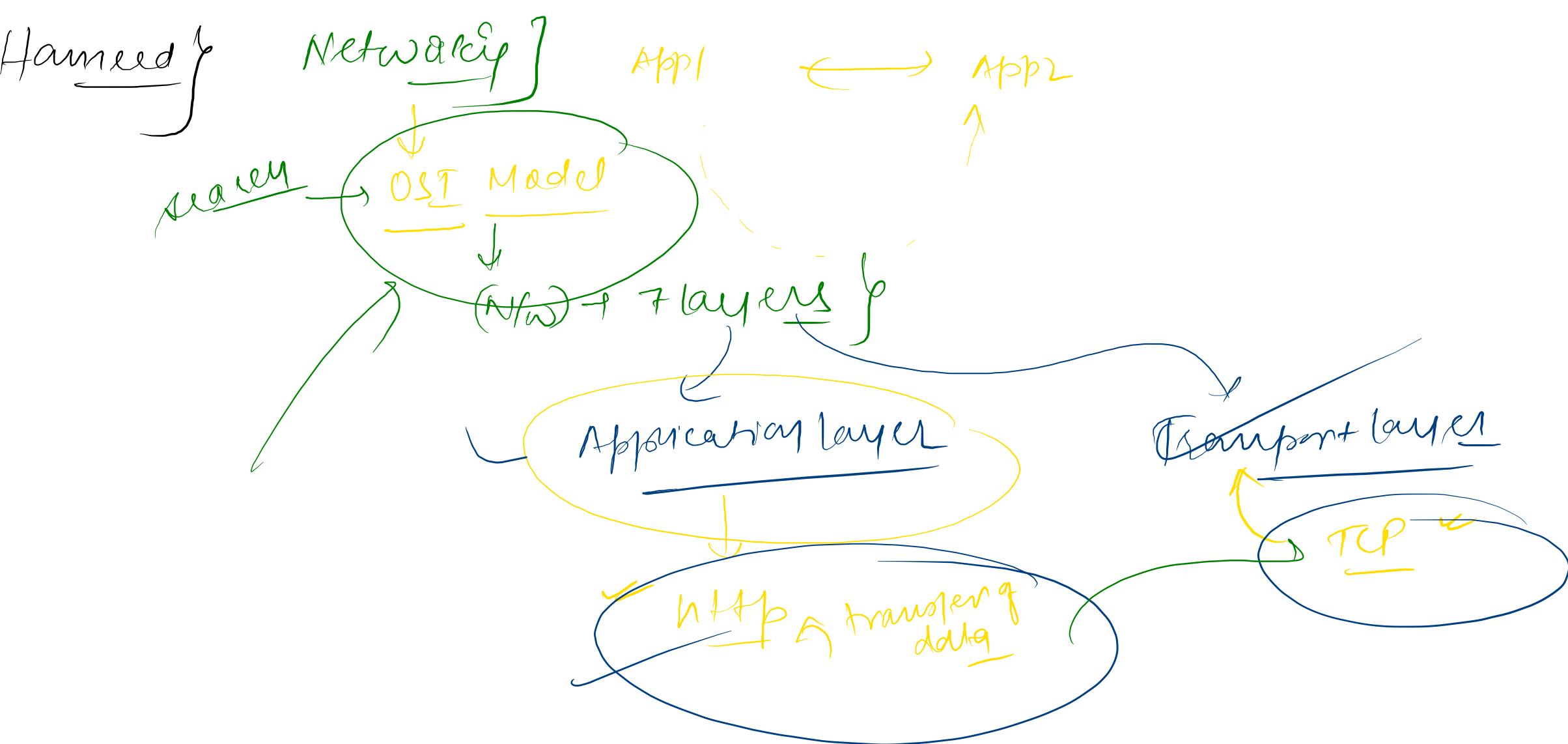
↳ w.

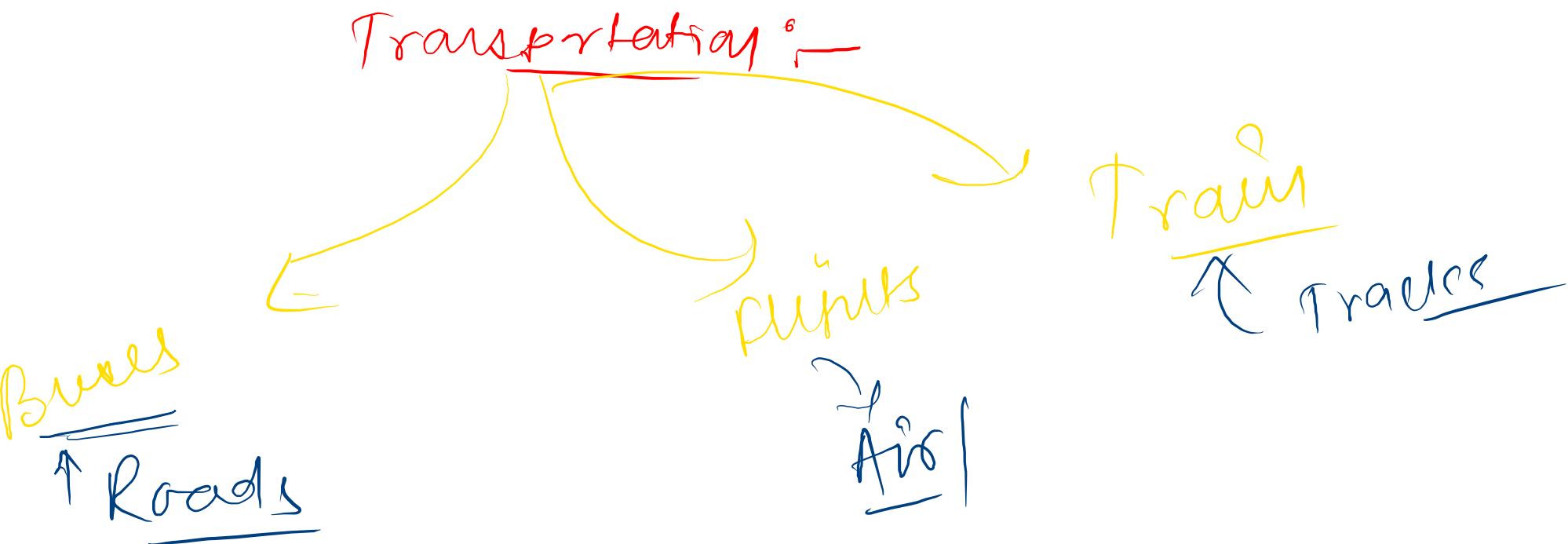


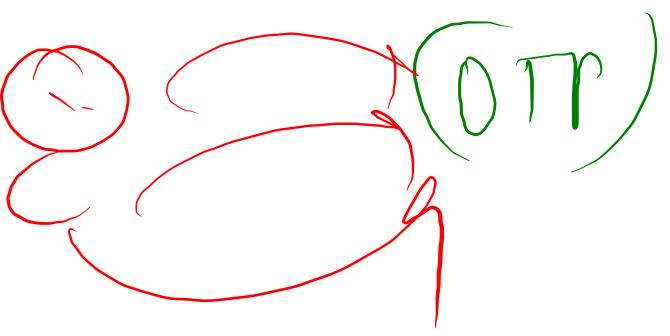












3459
5169
7348

Non-ideal output]