

Pythony

Flask → Hands on Manner ]

=====

①

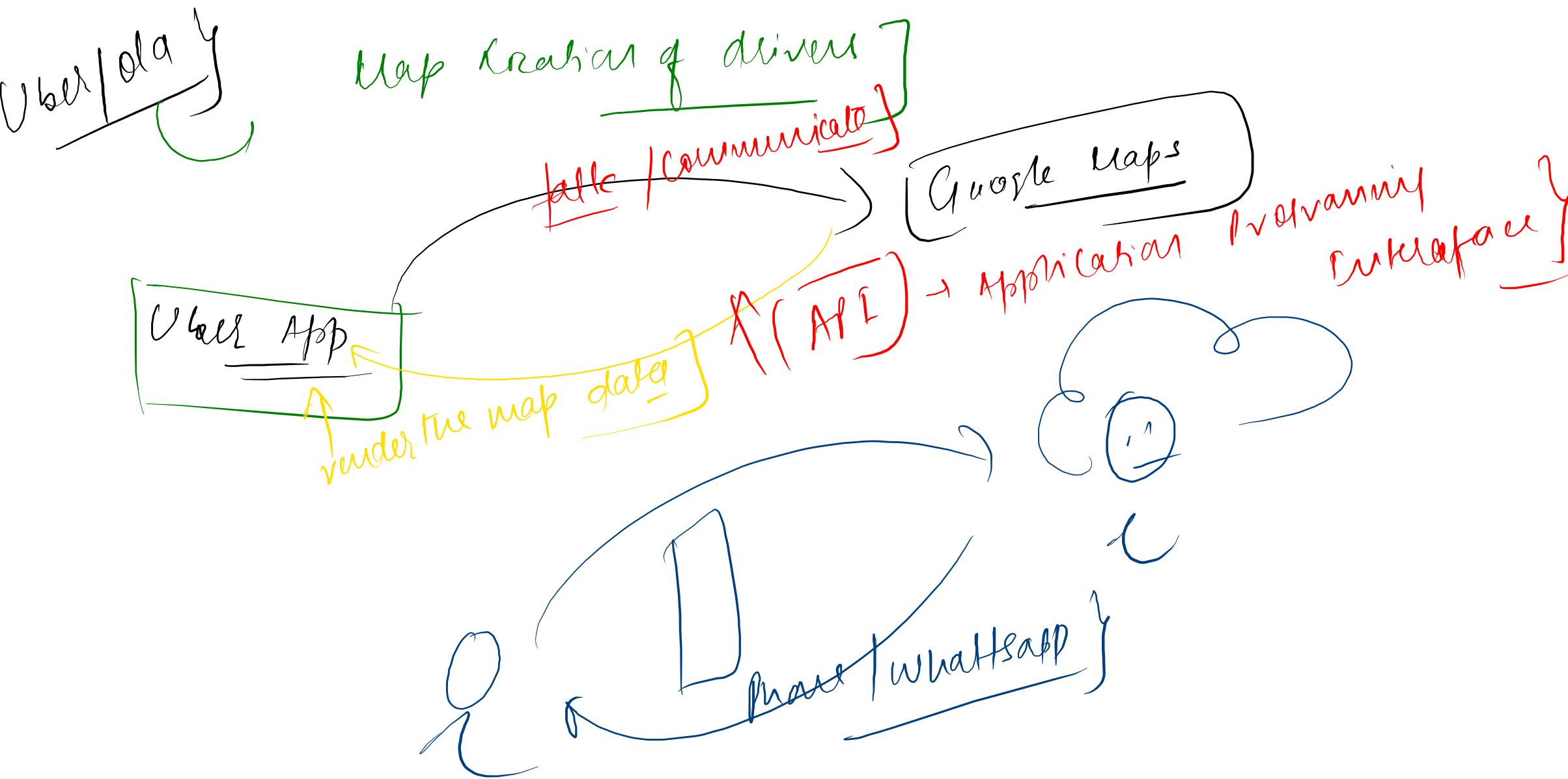
Web APIs → REST ↴

② Flask\_

③

Build with Flask\_ ↴

Web API



metavans

= (rechts)

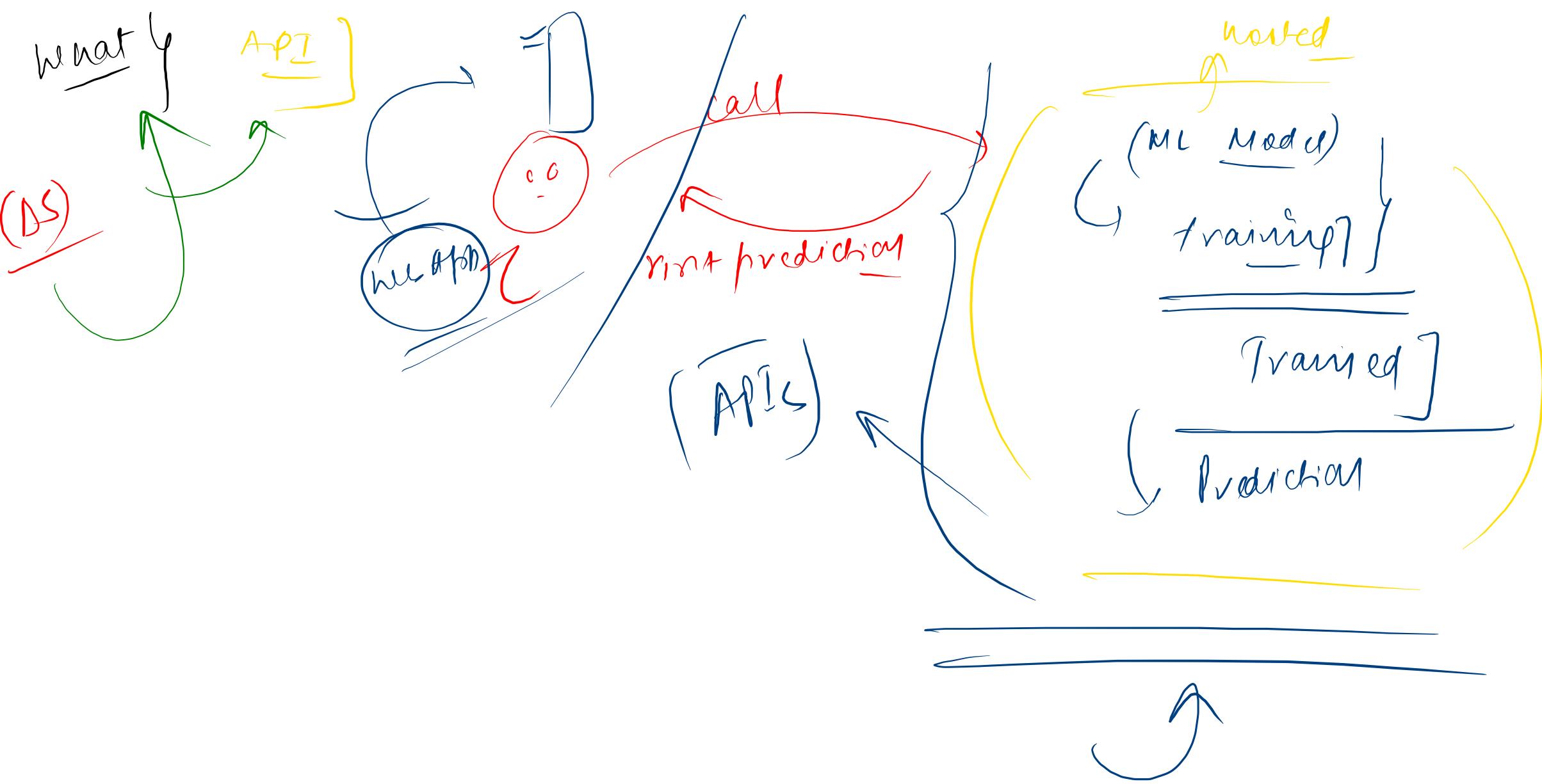
wesapis}

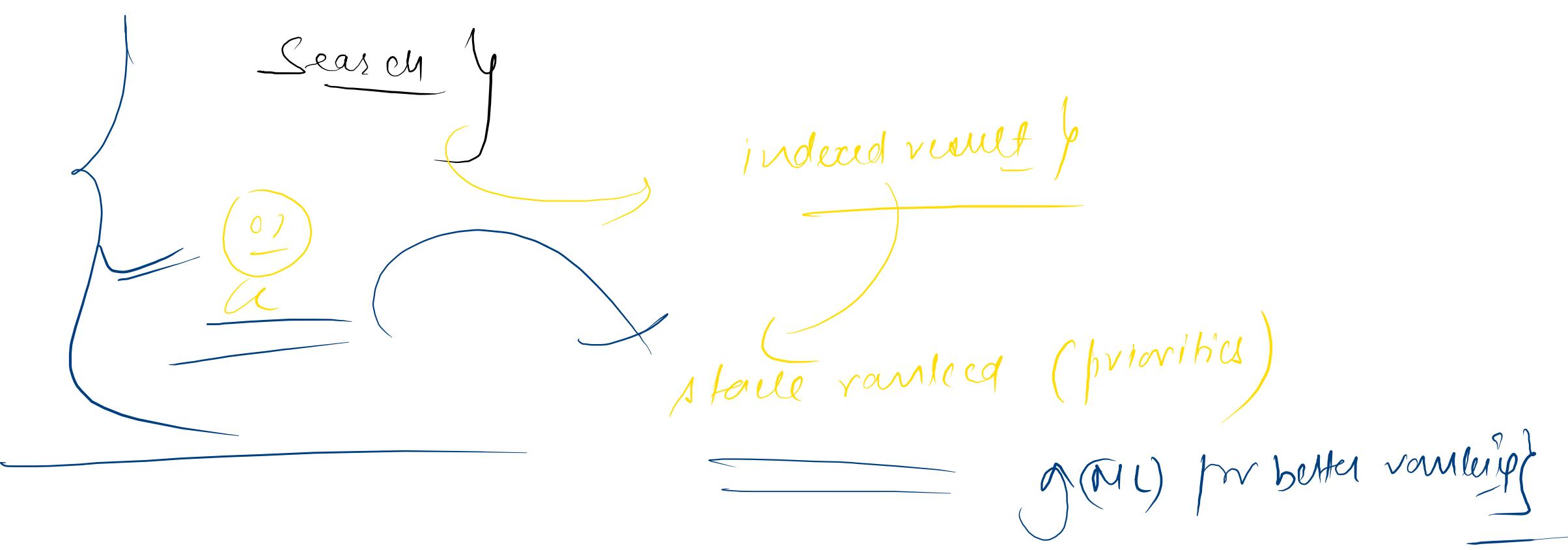
metavans  
servers

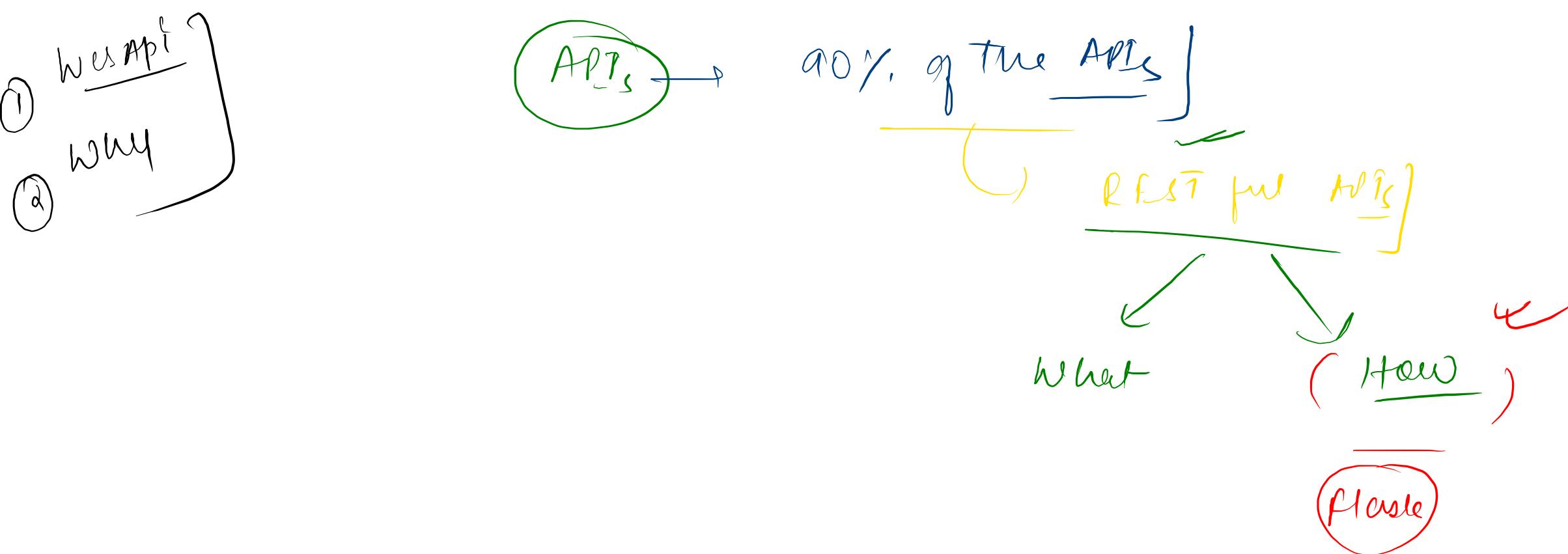
Java  
(App)



Python  
(App)



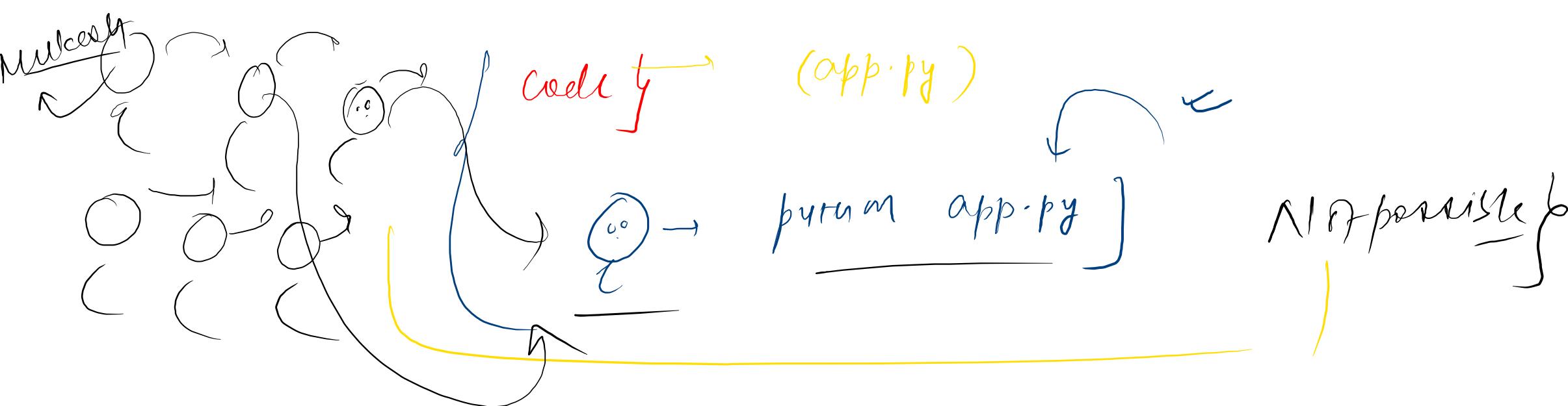


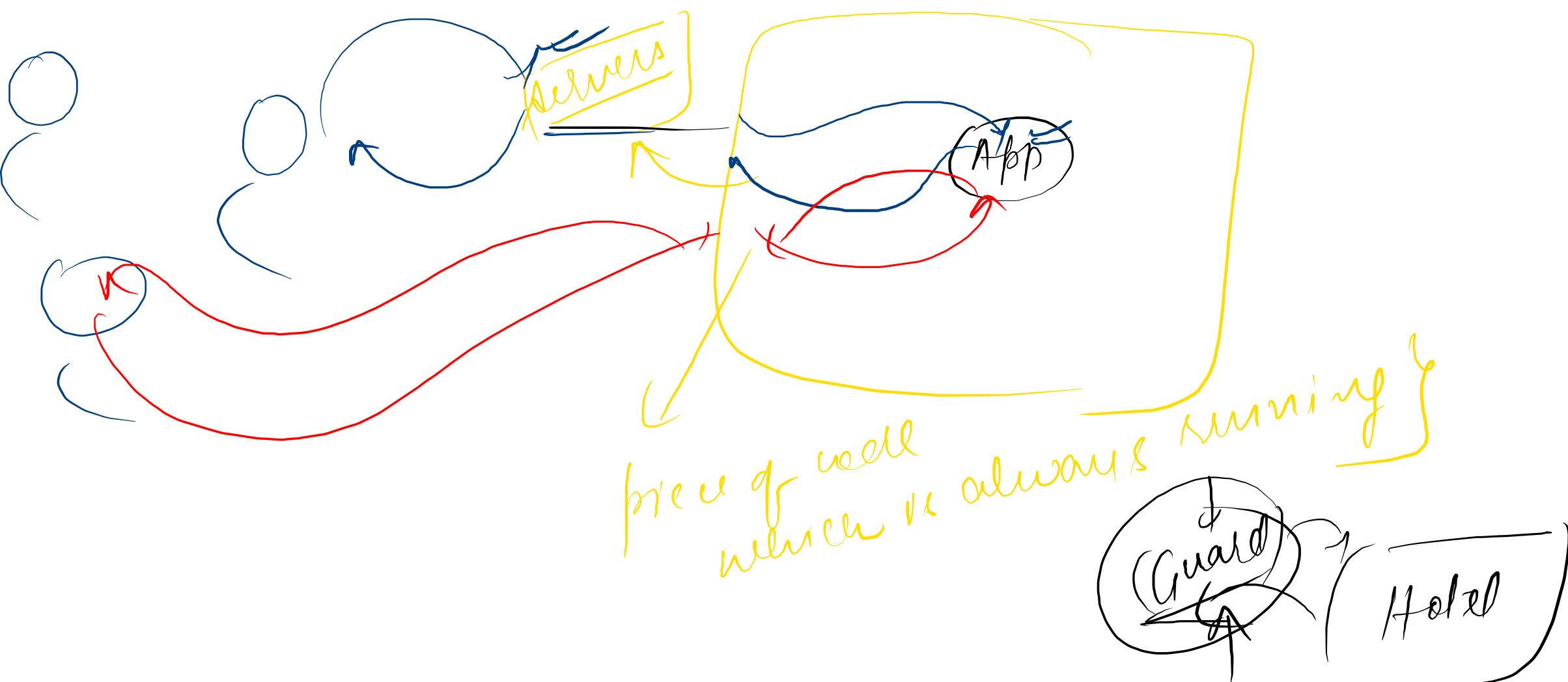


Client and Server

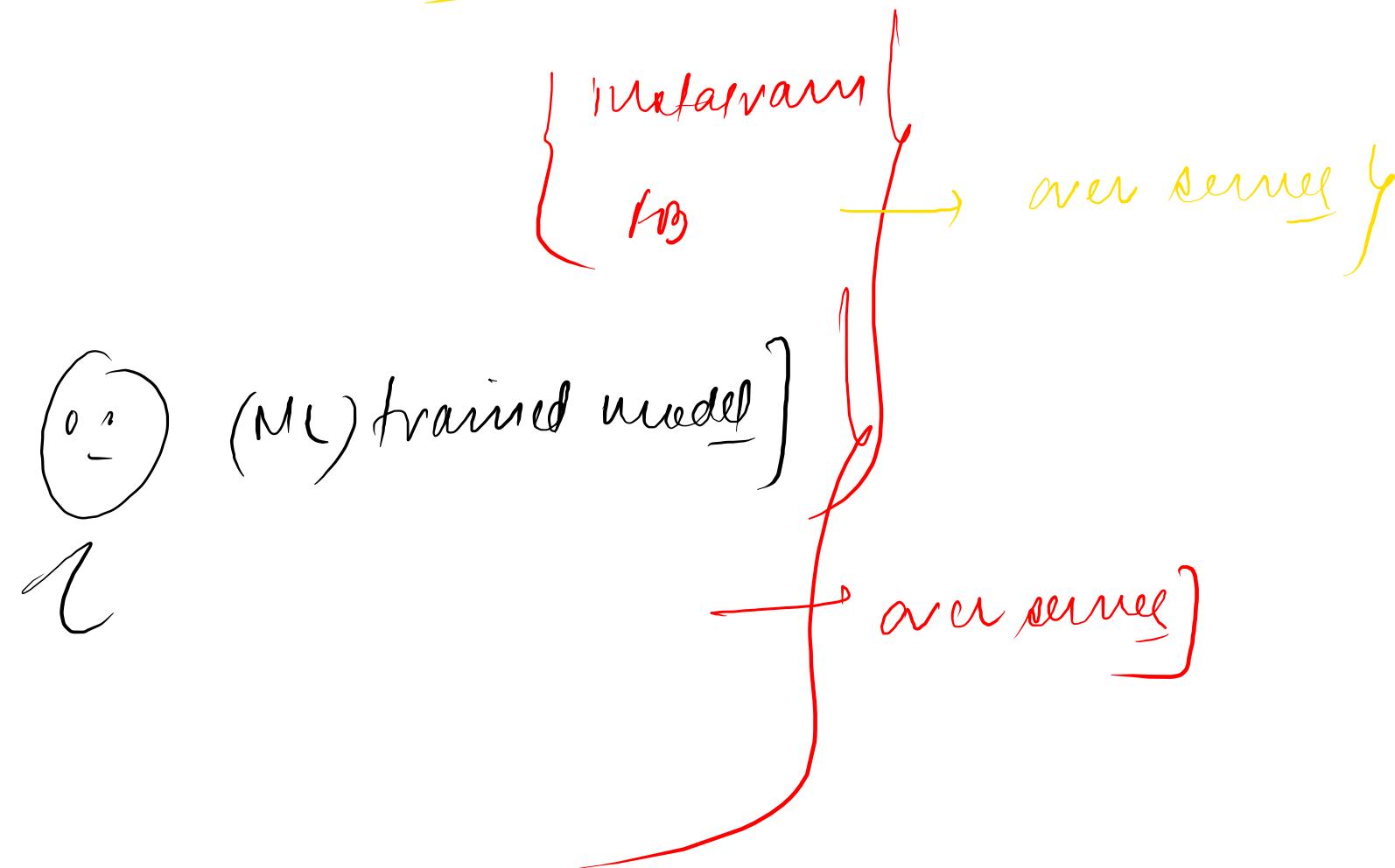
[Server]

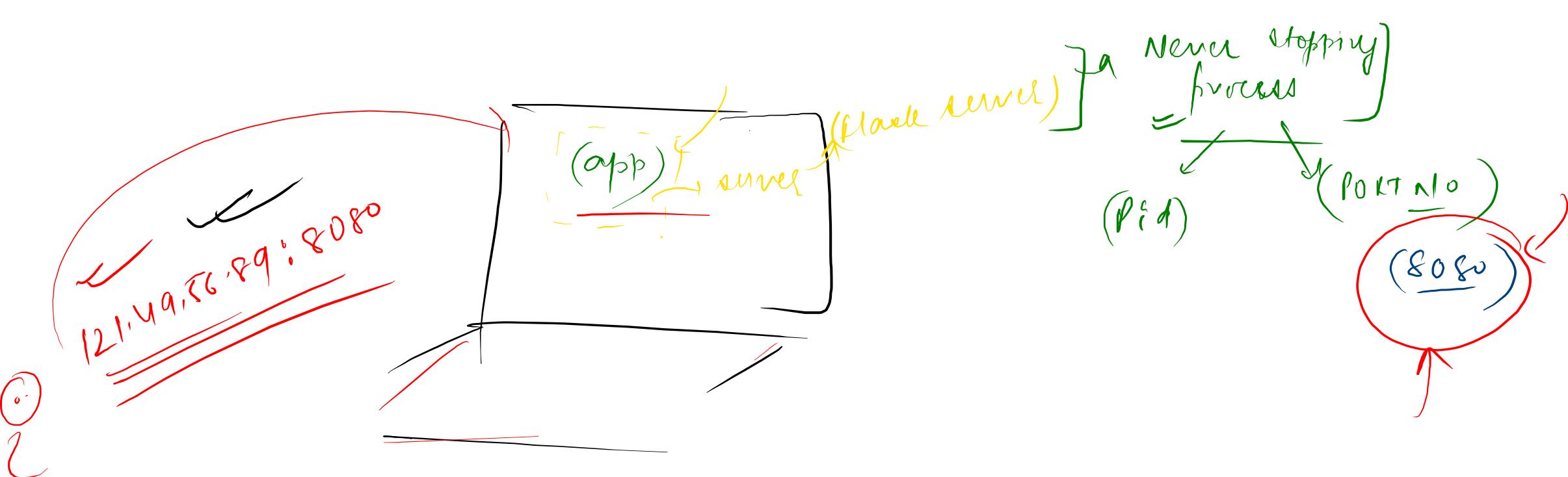
[is a never stopping process]





$iRCTC$  →  $11\text{ PM}$  ← 15 minutes





server



Process Never stops

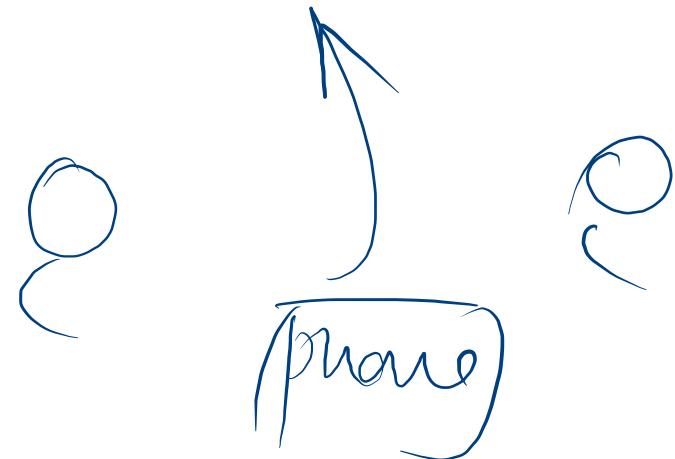
(api)

Means turn up which  
you can connect to the  
server

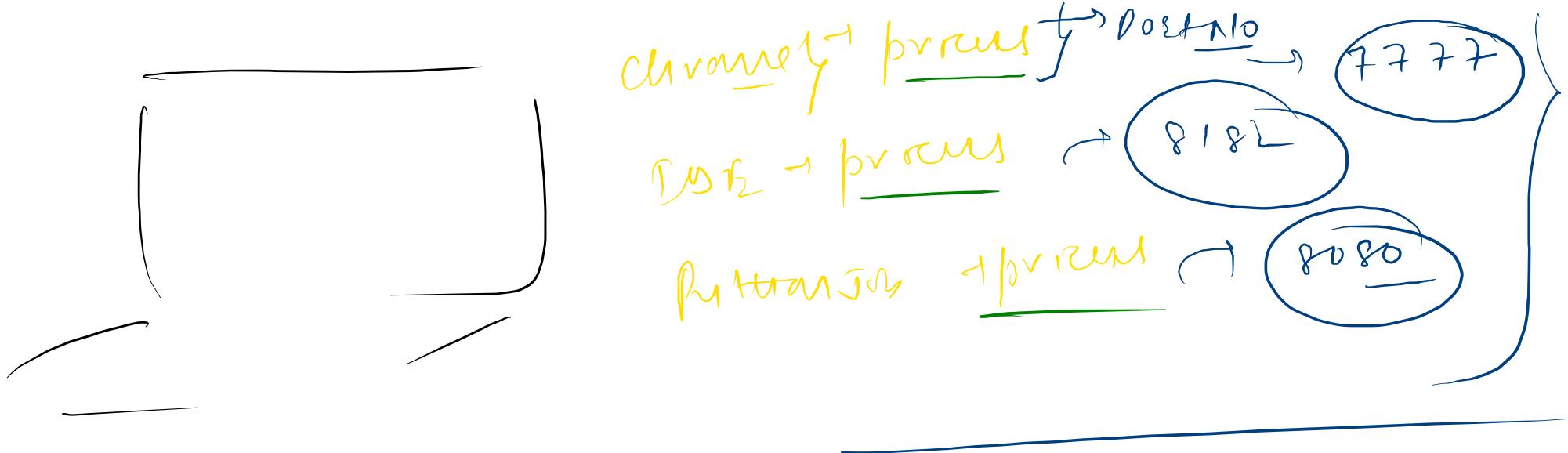
It makes your

app available 24x7

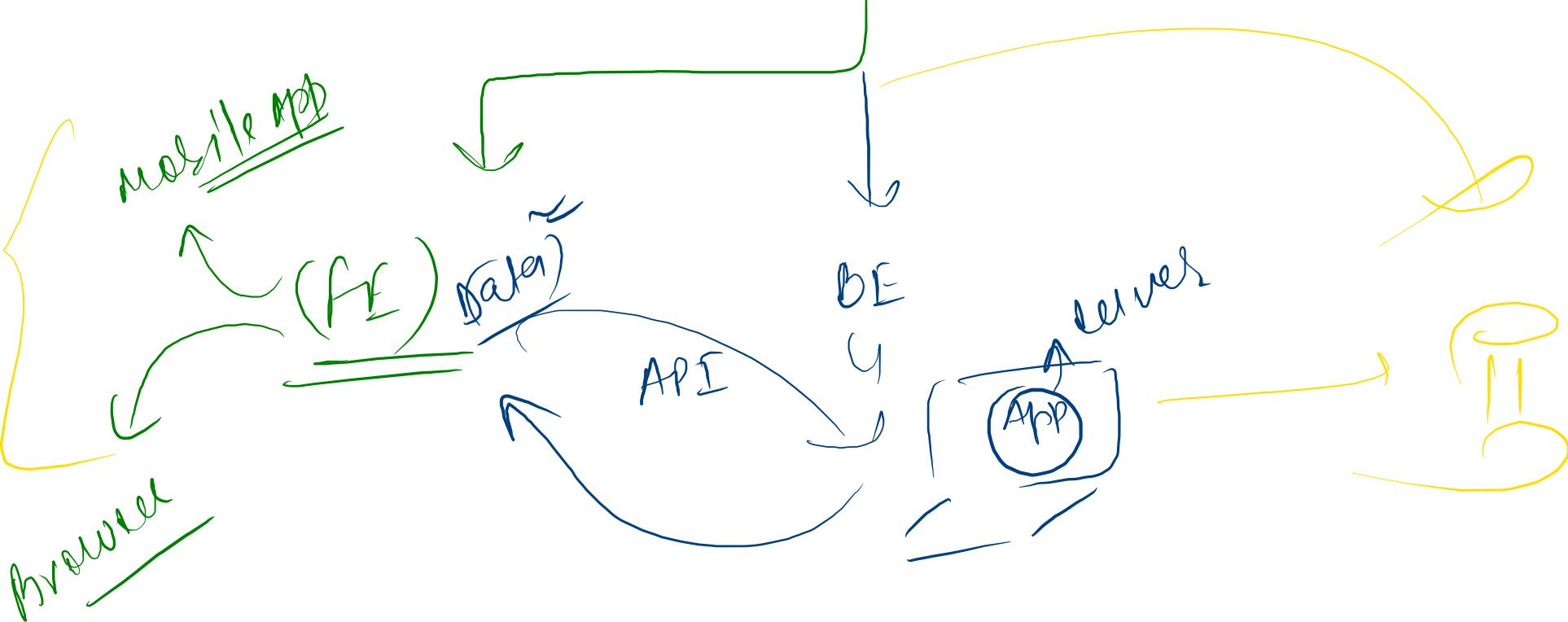
~~Network phone~~



computer



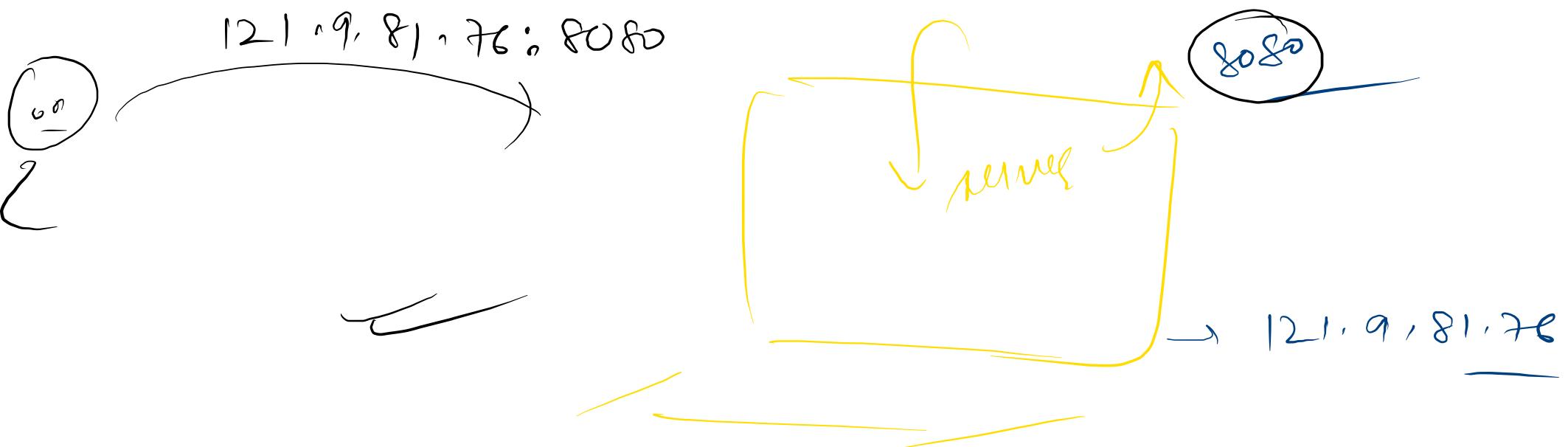
# Serverless



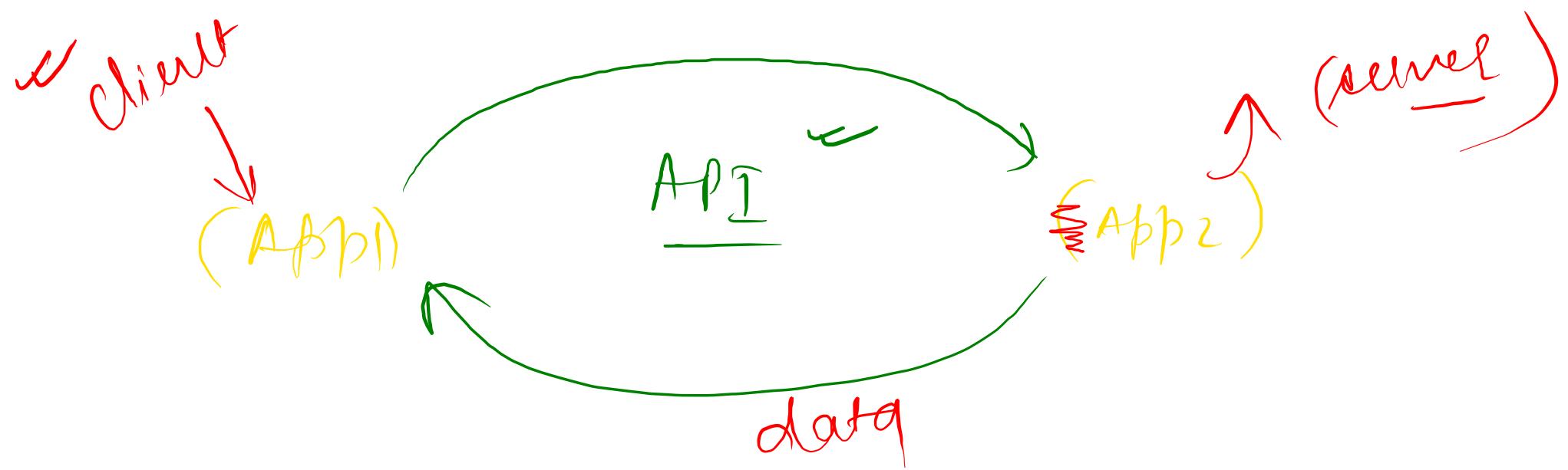
~~Never~~ → ① (App) Is made available / reachable UX ↗

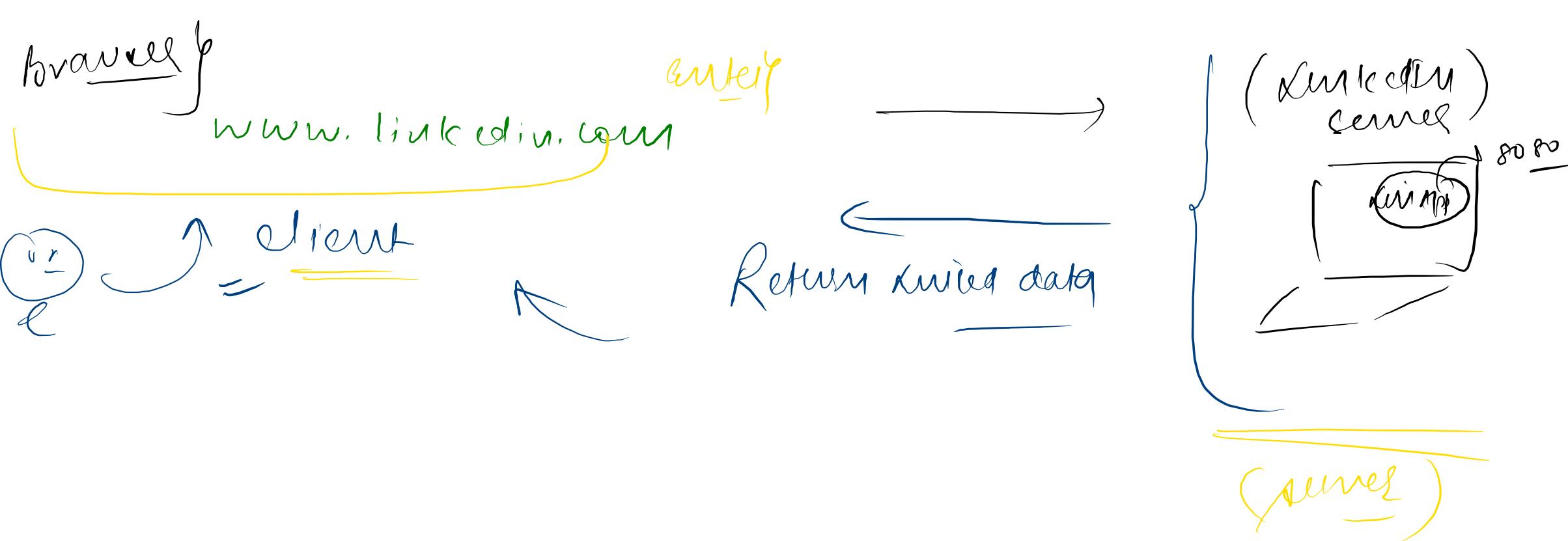
② Always running process

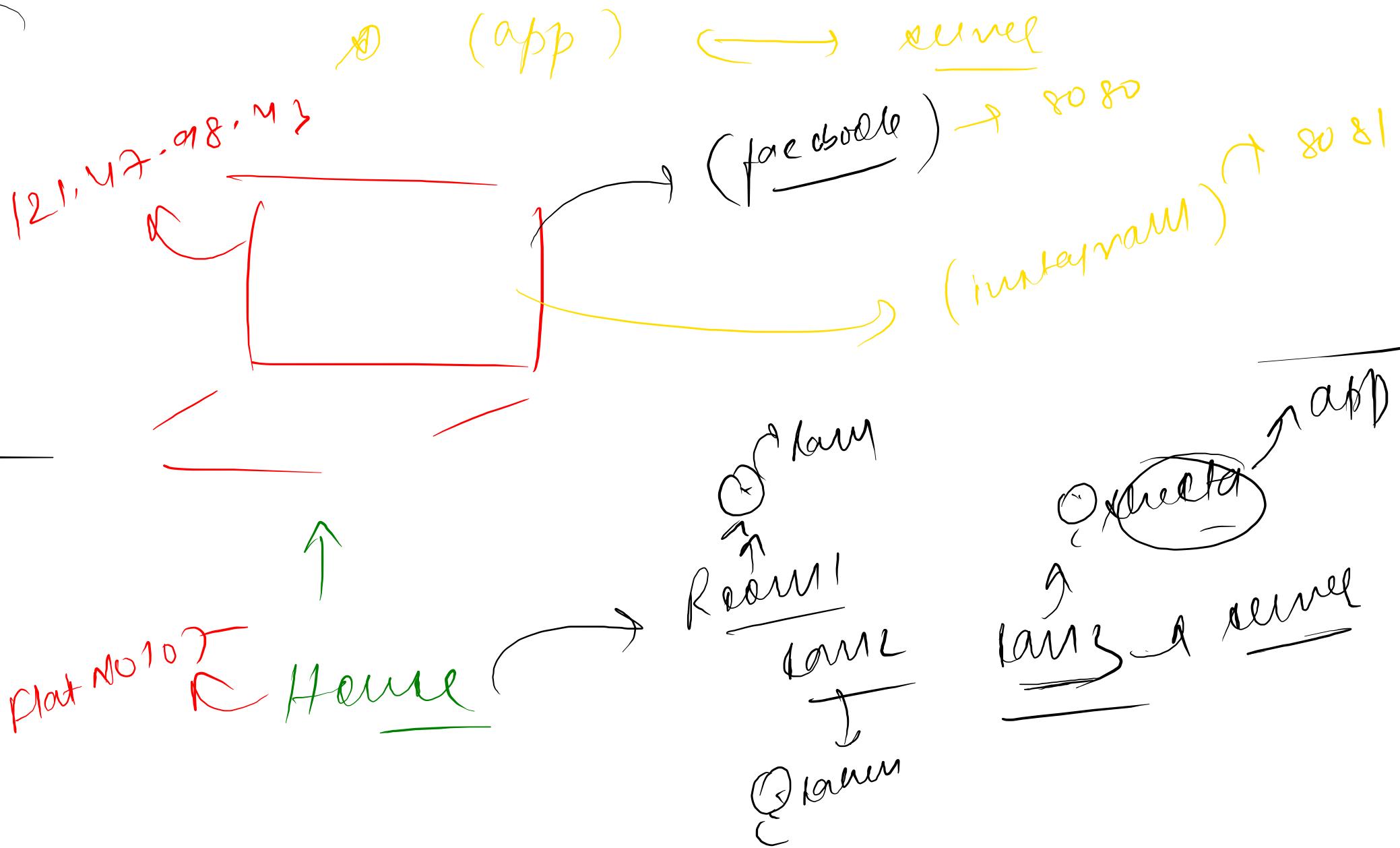
③ It is mapped to a PORT No's

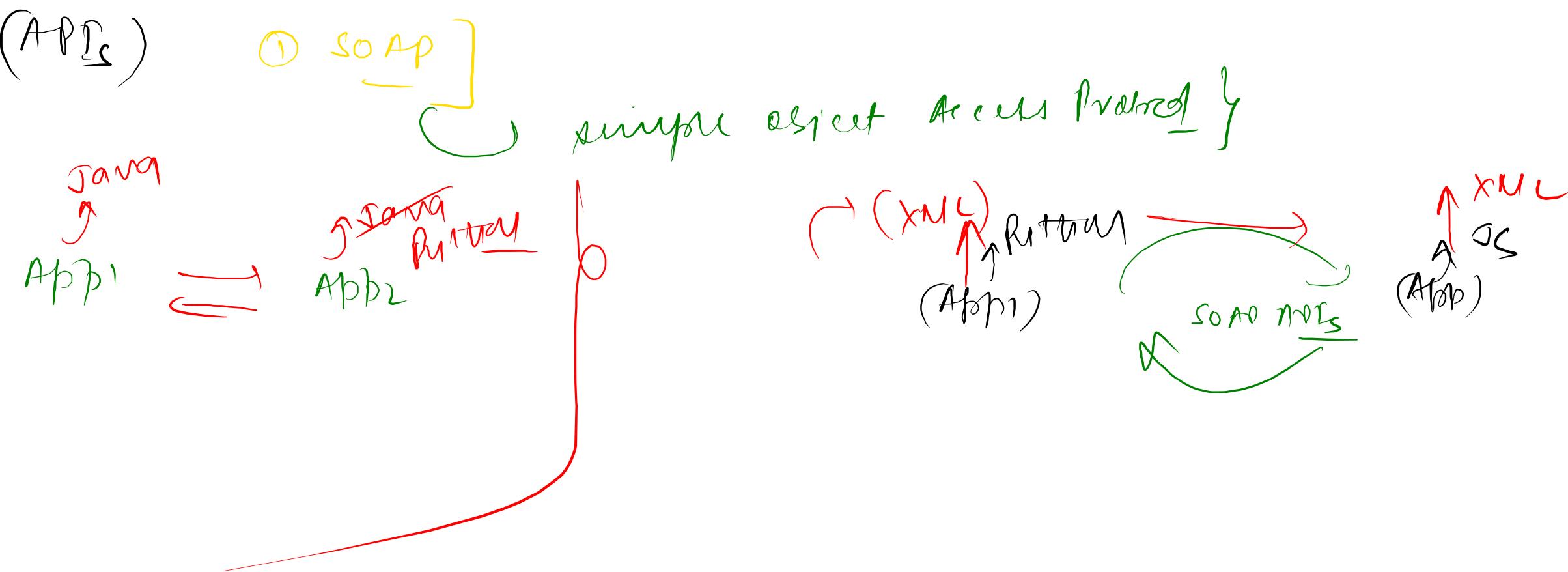


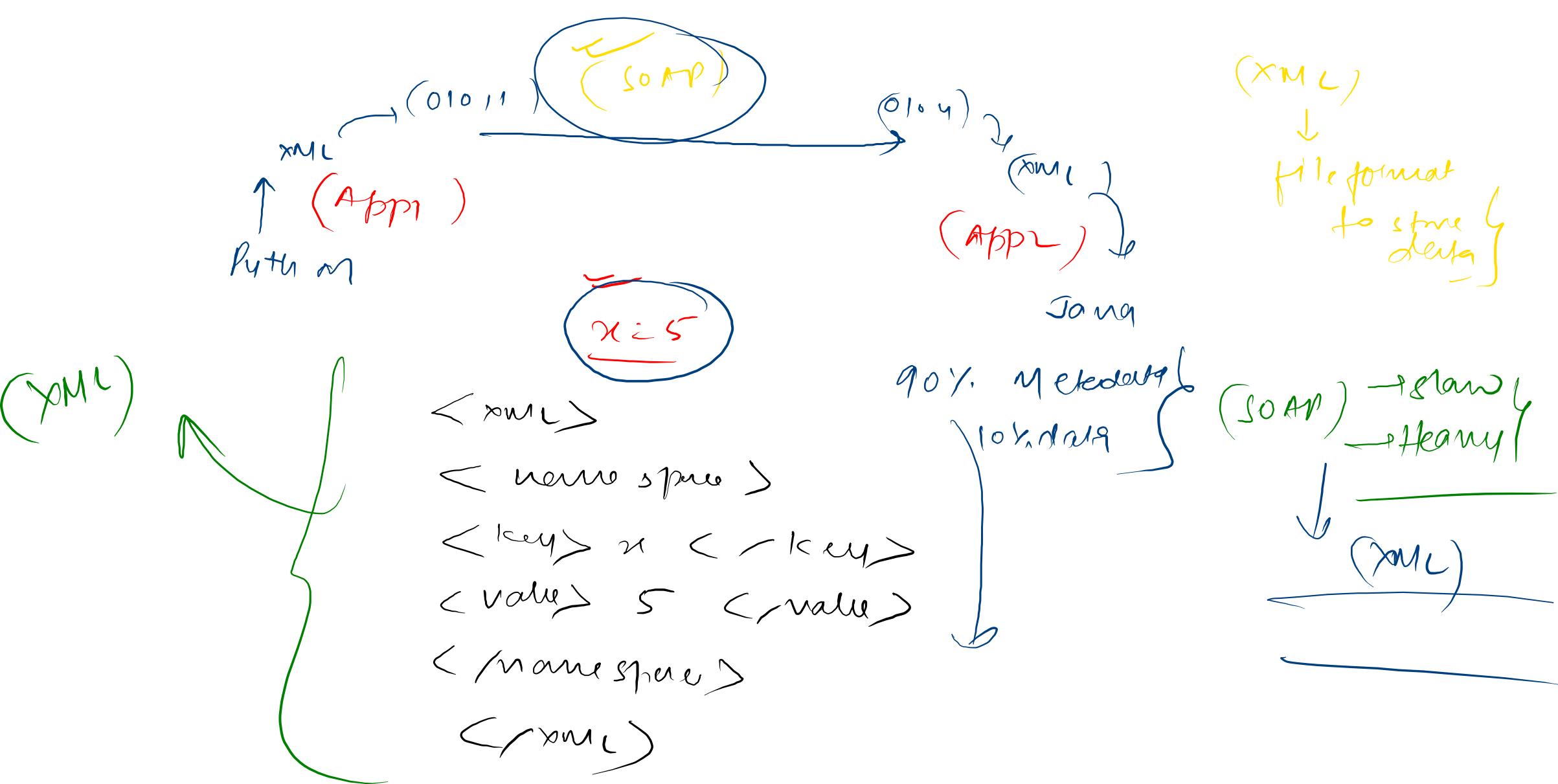
(Client)      (Server)      Architecture

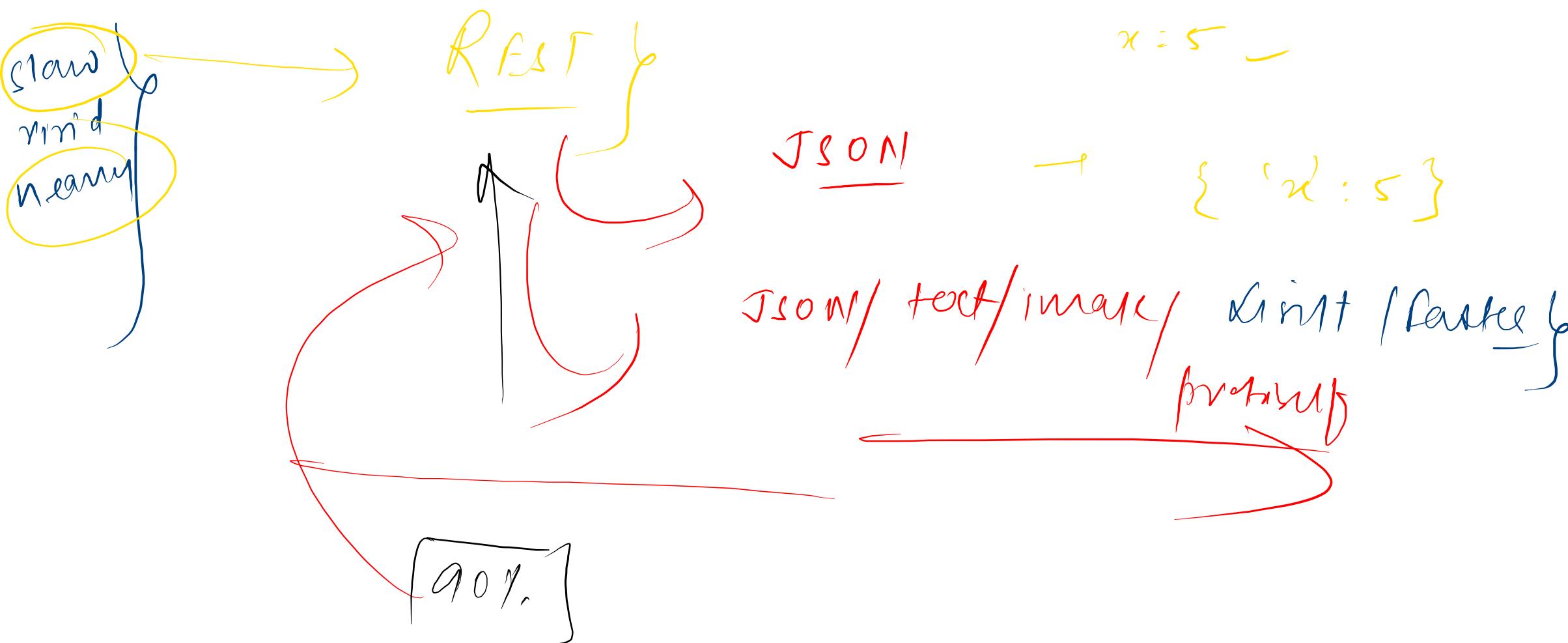


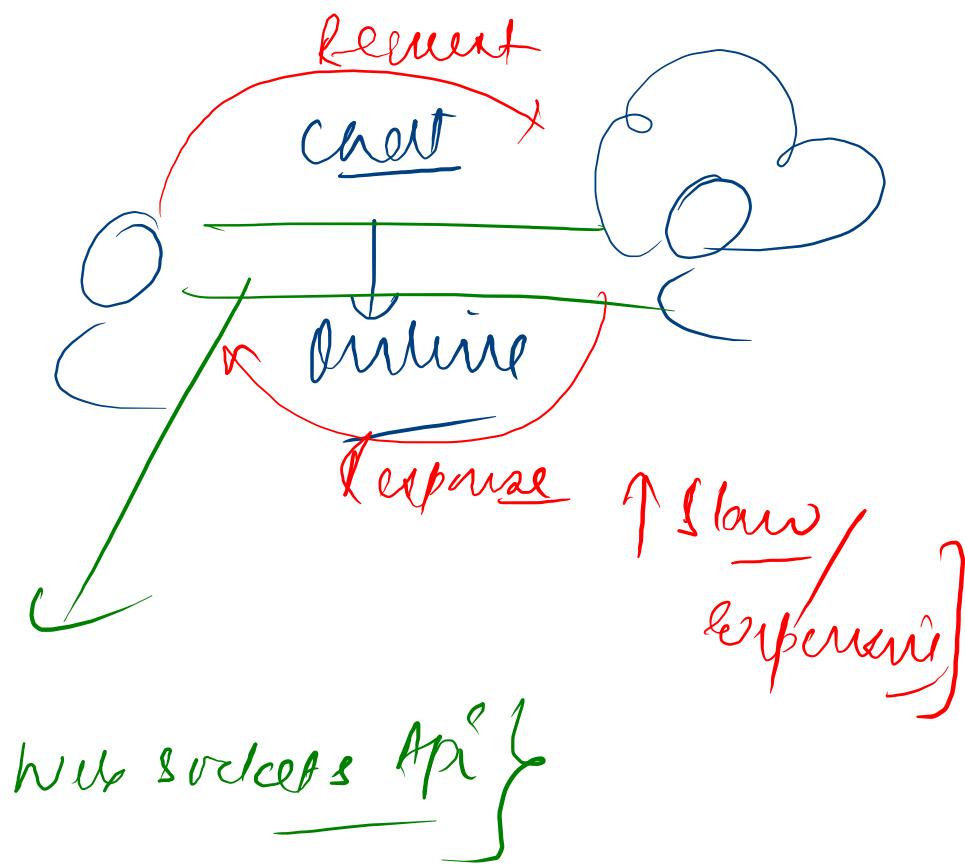






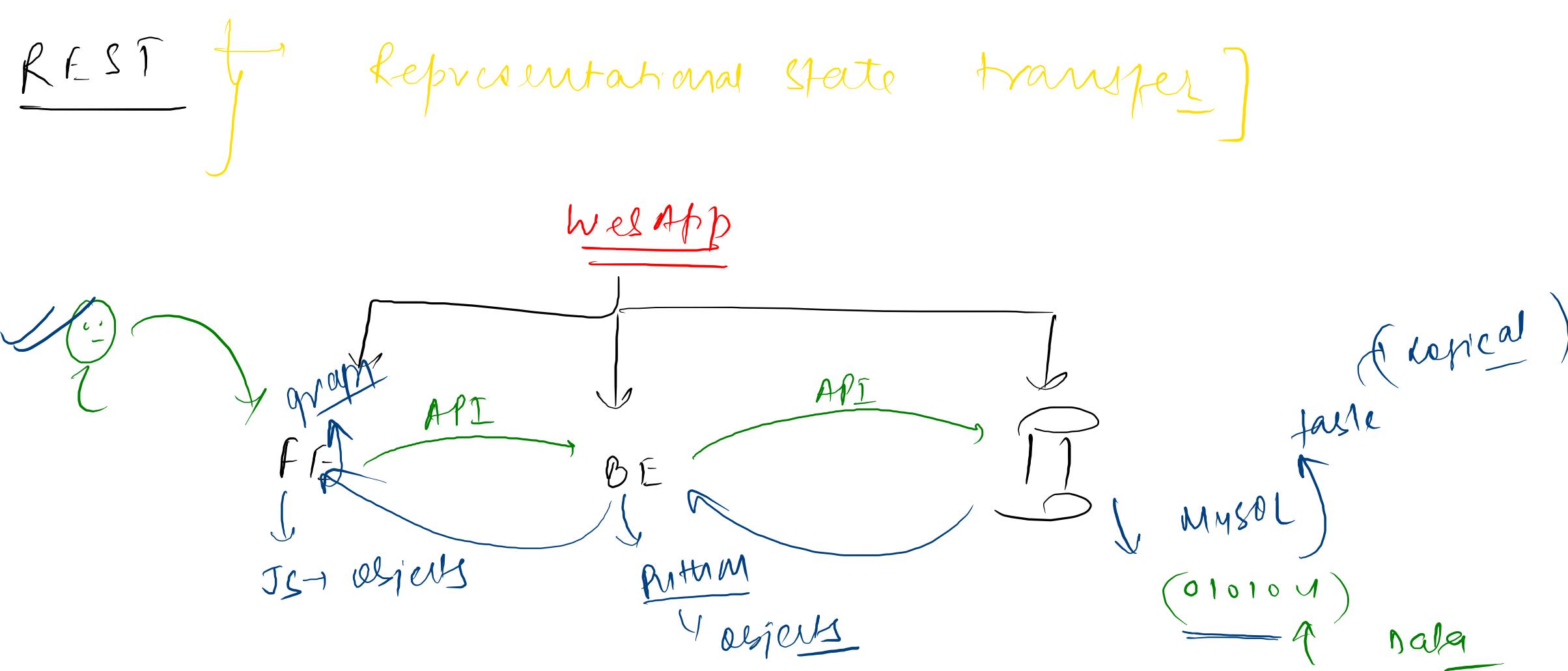












Rakesh

10 years cycle

(FE)

(BE)



(App)

webapp

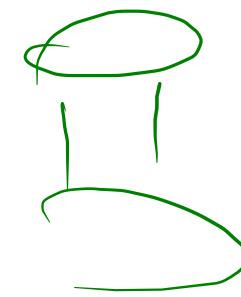
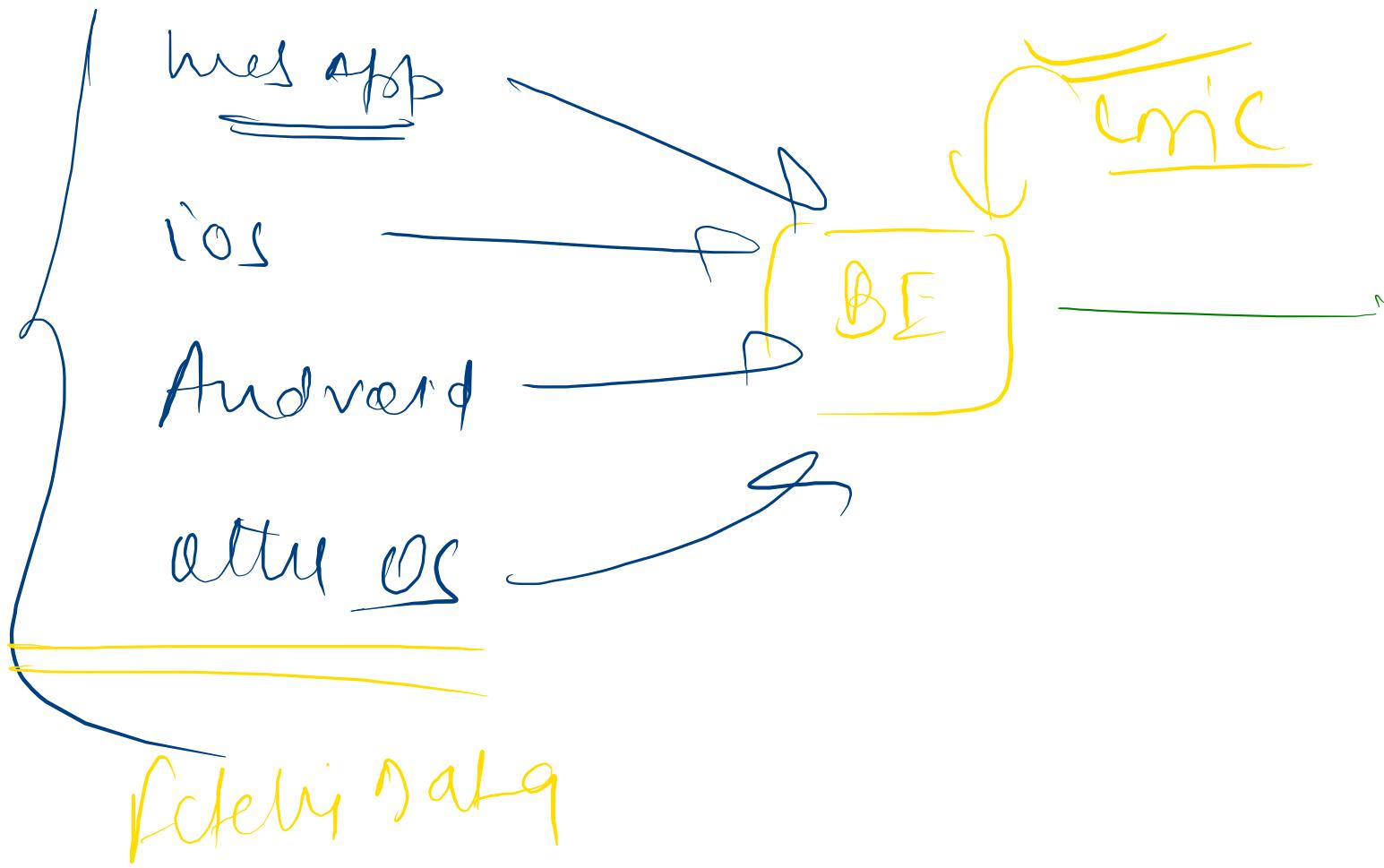
ios

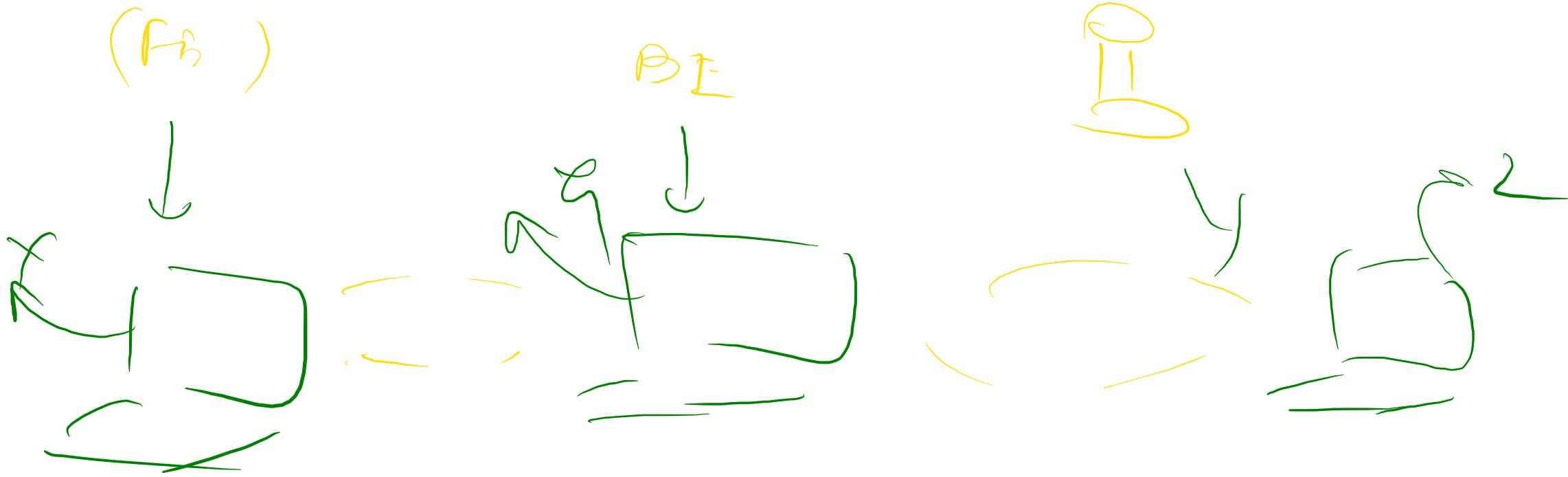
Mobile app ] android

Tablet app



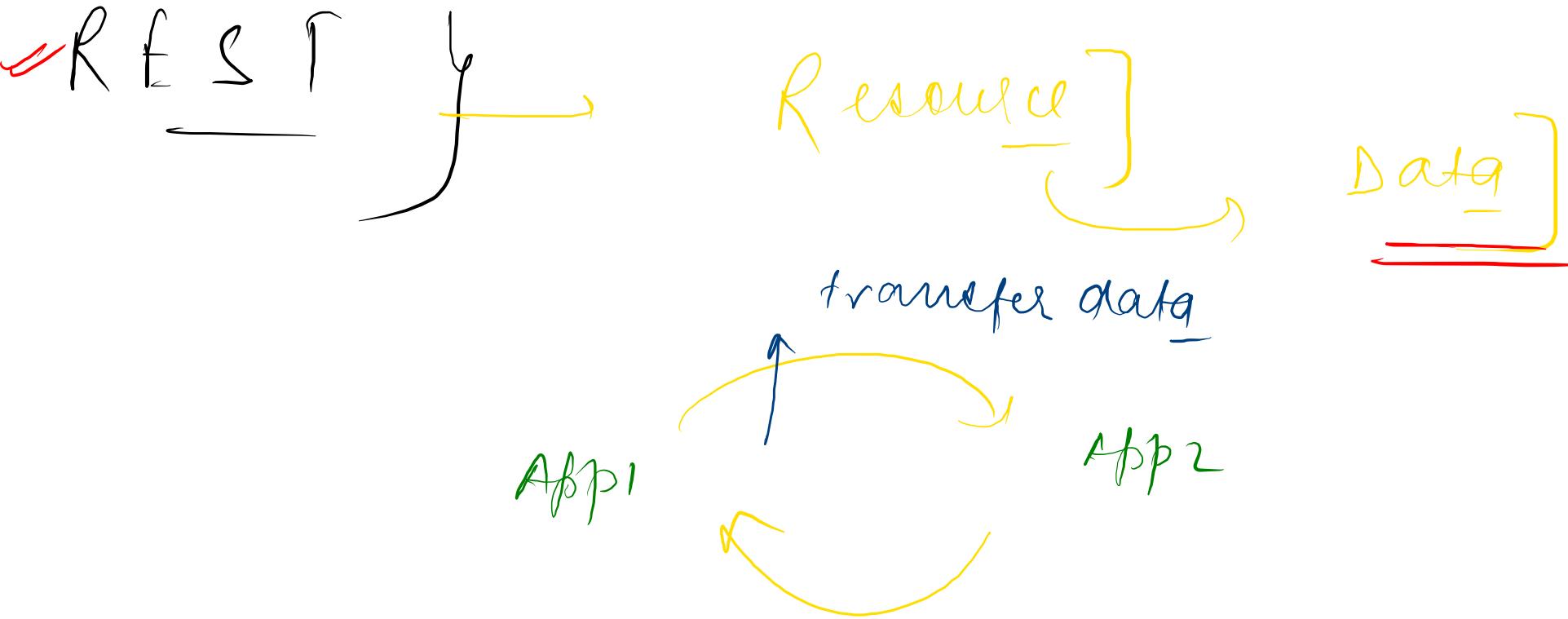
redundant code X



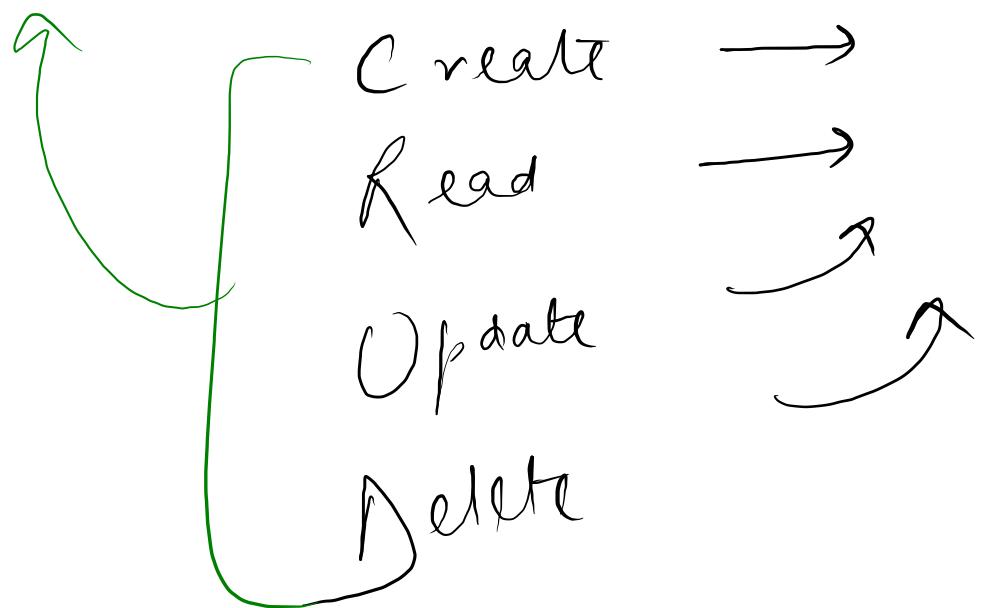


12:32 PM } → 12:42 PM ← rest time

↓  
we are on a break now!



CRUD



Data/( Movie )

by Rest APIs

CRUD

REST APIs } → data ] R U D ← ? How



Visma's place ]

URI ]

~~Earth | Asia | India | Karnataka | Bangalore | Bellandur |~~

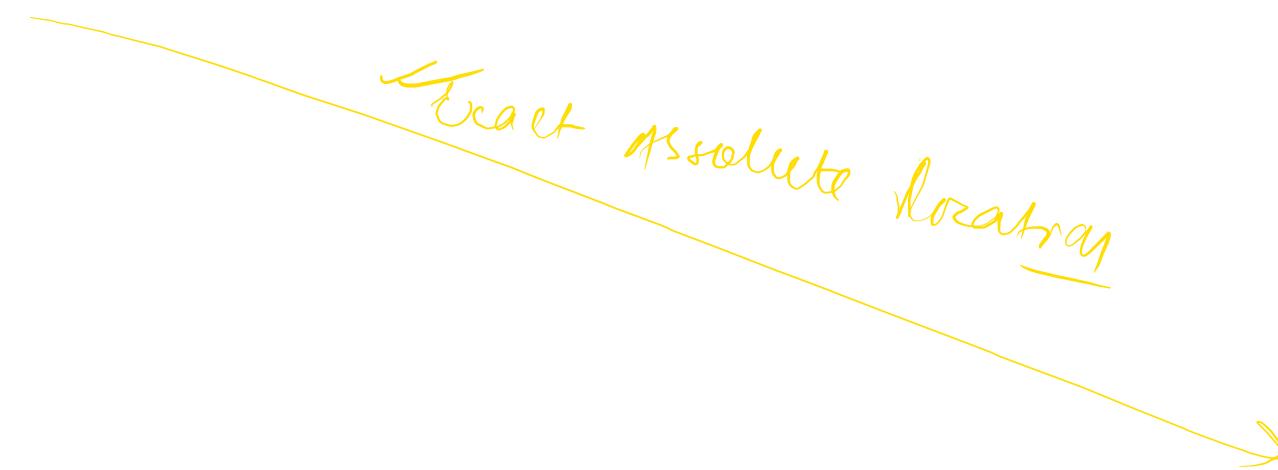
~~Bellandur |~~

~~Srinivasa |~~

~~National |~~

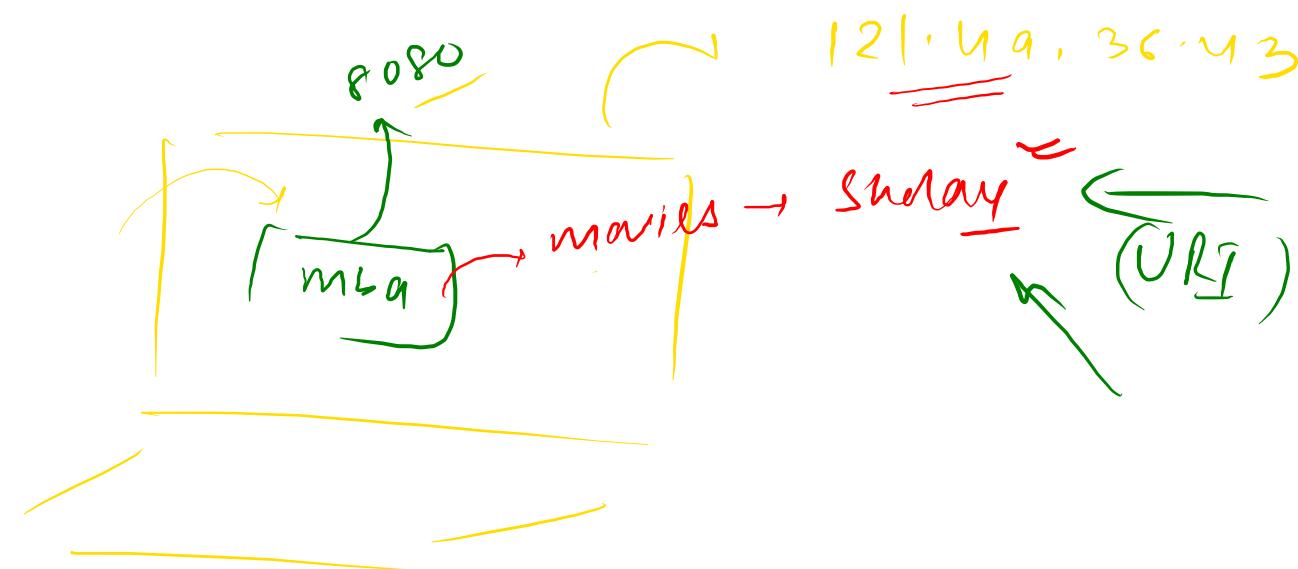
~~Vision~~

Extract absolute location

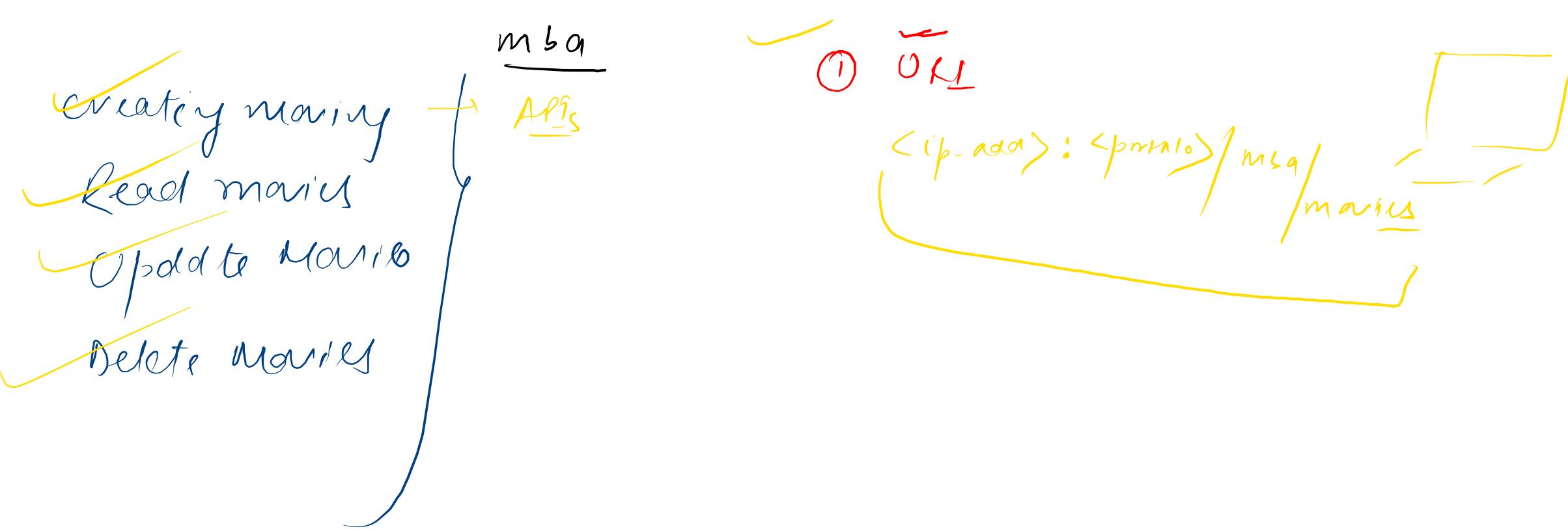


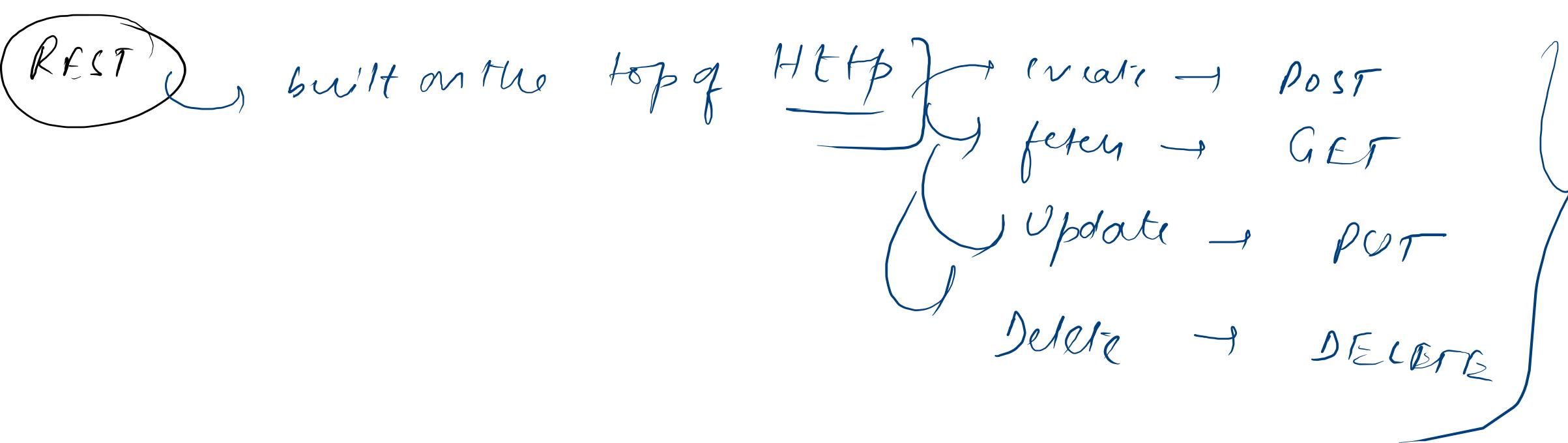
URI } app]

URI for sunday  
resource



121.49.36.43 : 8080 / msa / movies / sunday





Restful API for creating Movies

HTTP verb

+ URI

POST 127.0.0.1:8080/movies

Fetch the movie for m69

✓ GET 127.0.0.1:8080/m69/movies

Update the movies → 123 ↘ 09

PUT 127.0.0.1:8080/m69/movies/123

# RESTful API

① HTTP verb  
② URI

VLS → vehicle location system

✓ 121.48.96.99  
↓  
7475  
=

Restful API } → creating a vehicle }

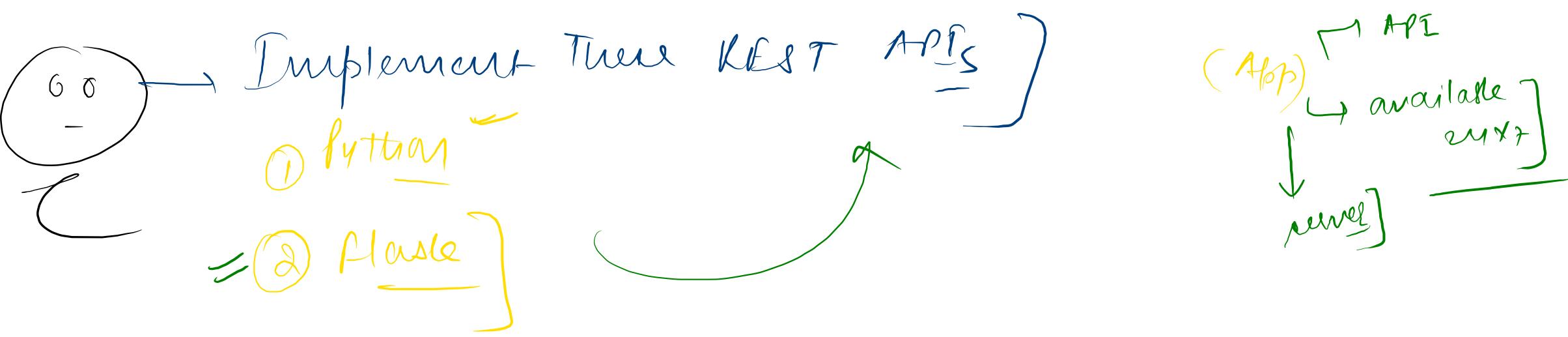
POST  
=

121.48.96.99:7475 /vls /vehicles

[Creating a vehicle] → T239

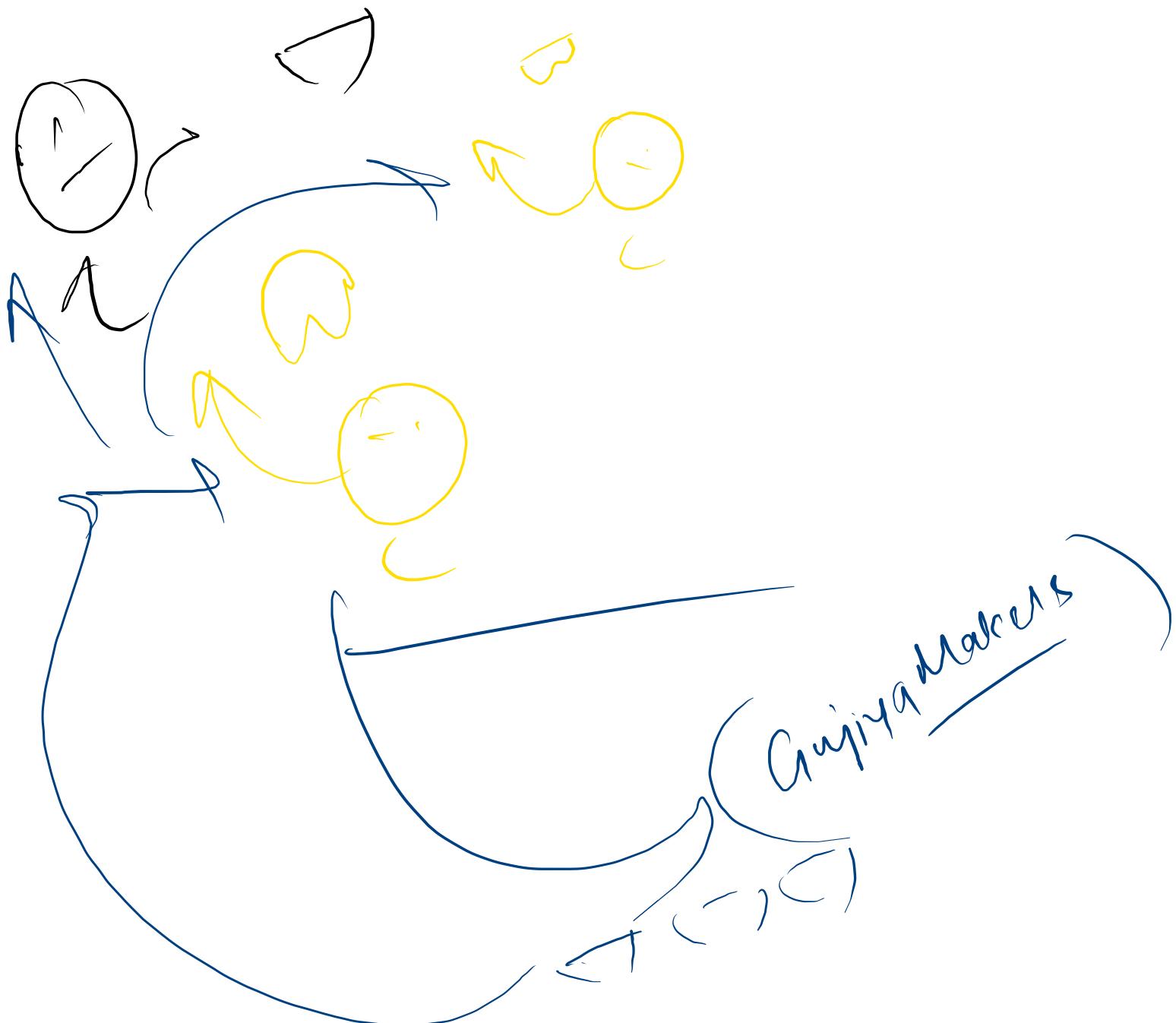
GET

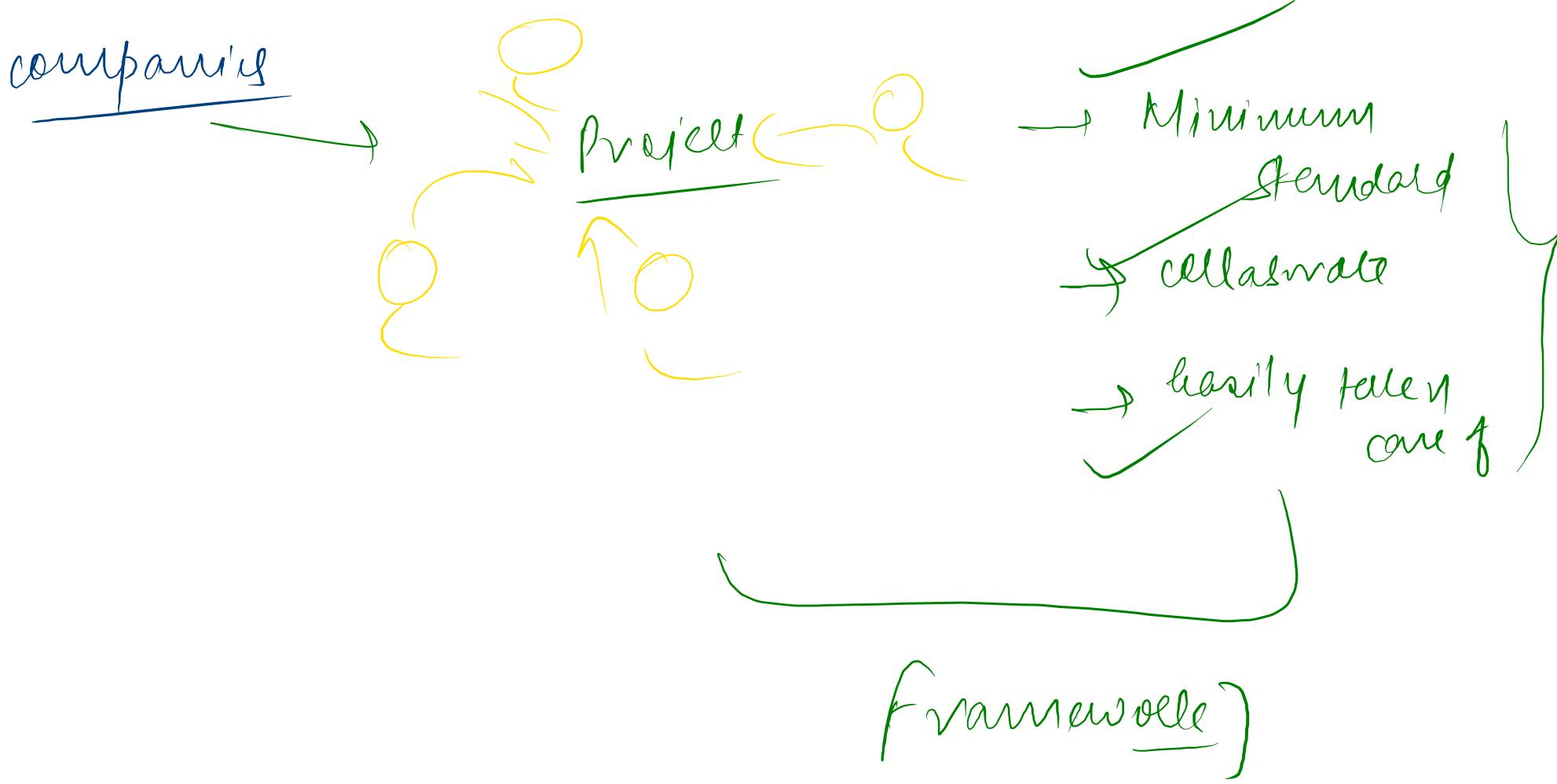
121.48.96.99:7475 /vls /vehicle/1239

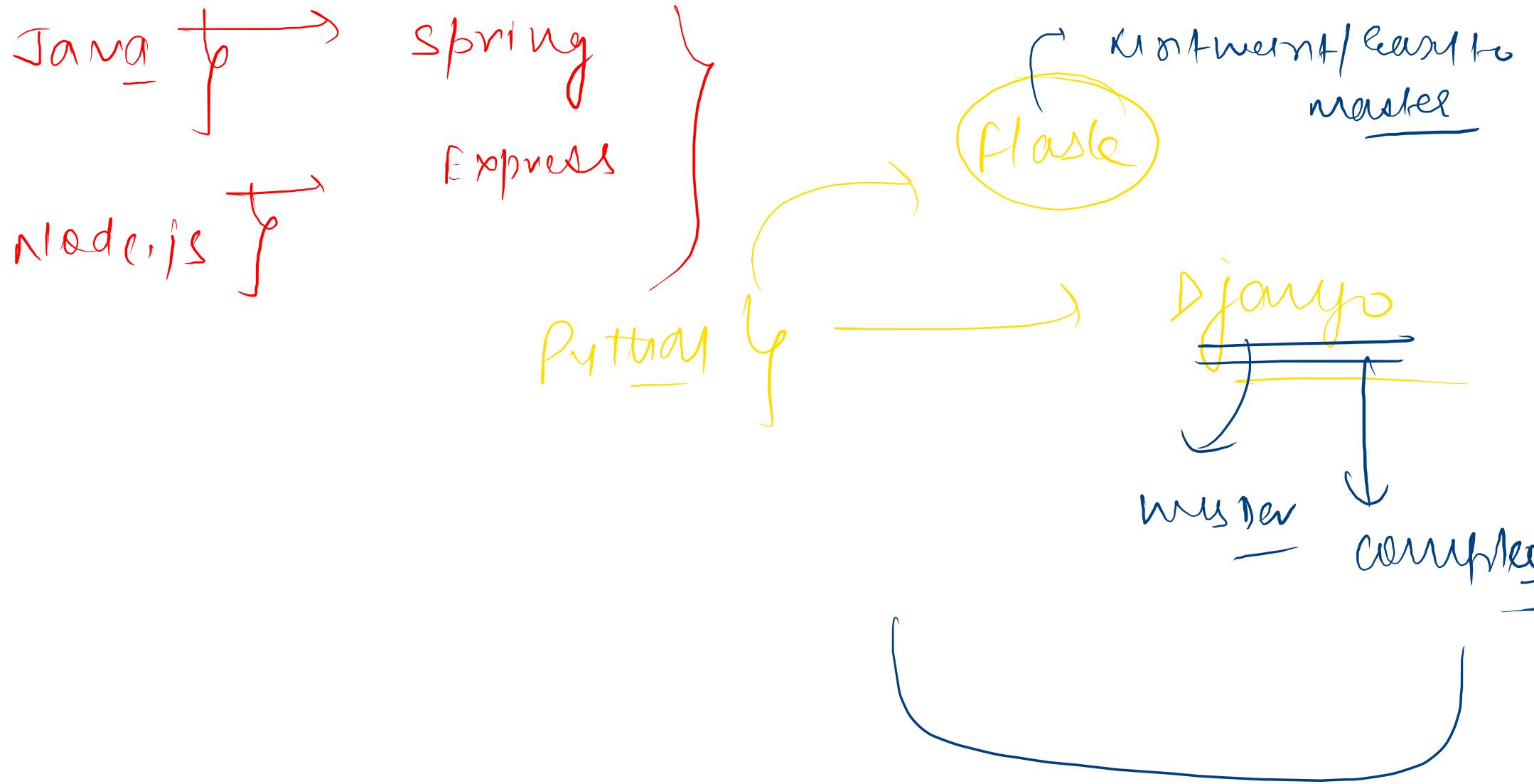


(API) ↗ available  
server] ↘

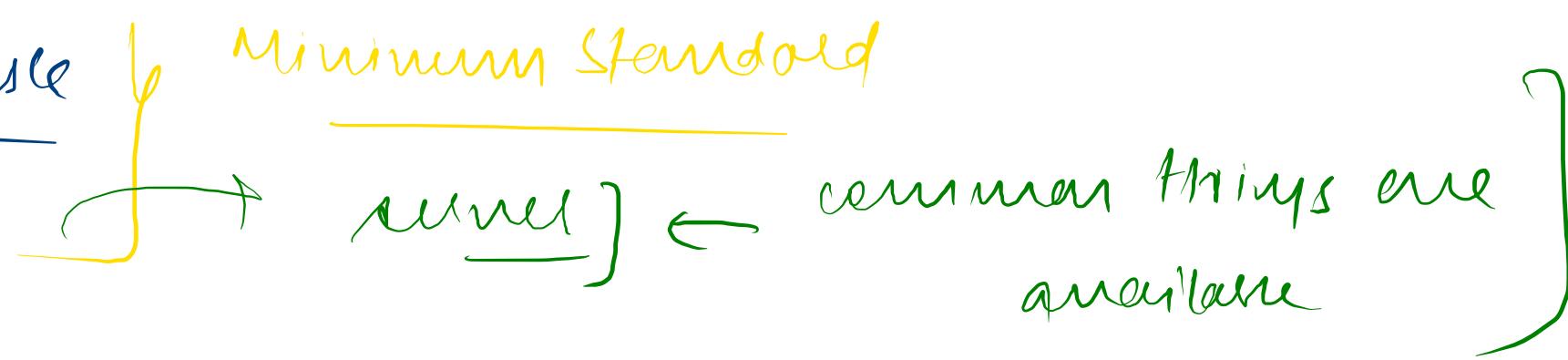








Python Class ↴ Minimum Standard



Flask

Python

vs code

Virtual Env

External library

flask

pip install library

tip install flask

~~bring that~~  
to library]

Futtan Mot

(Java)



(Maven)

NPM (Node.js)



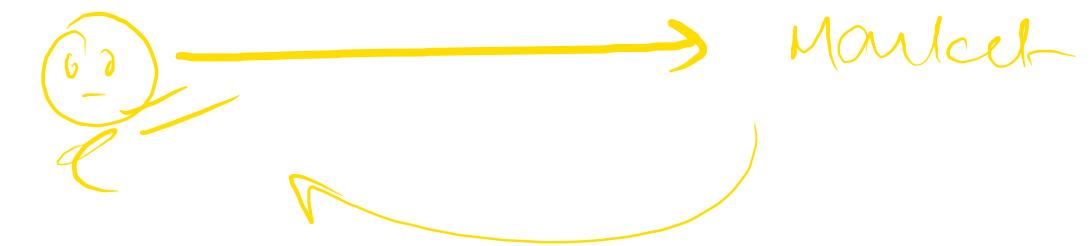
(NPM )

Python

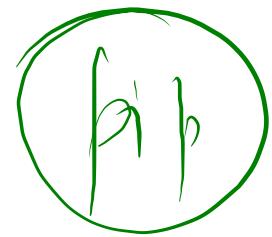


(PIP)

Brings dependencies

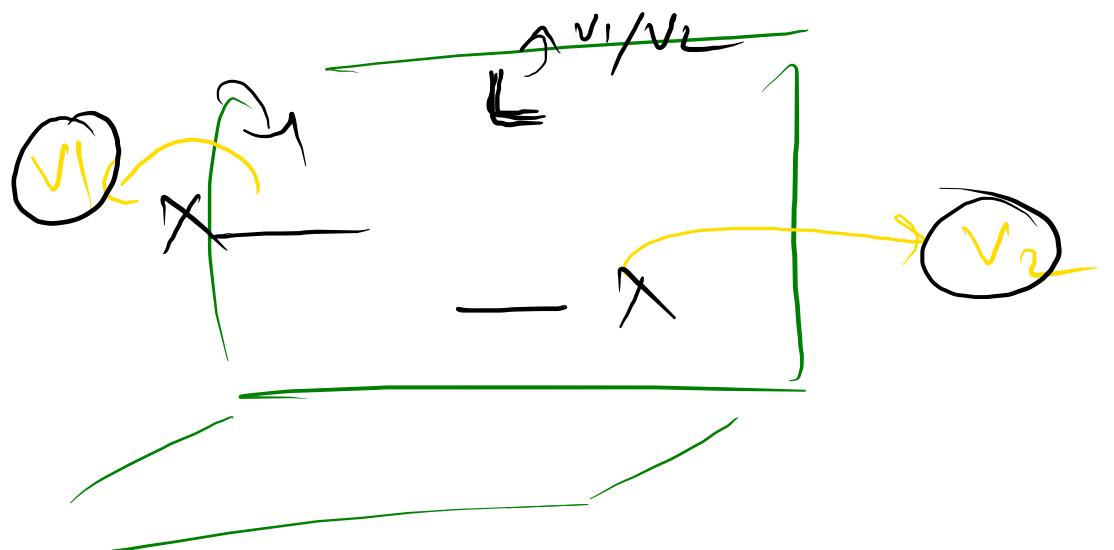


Market

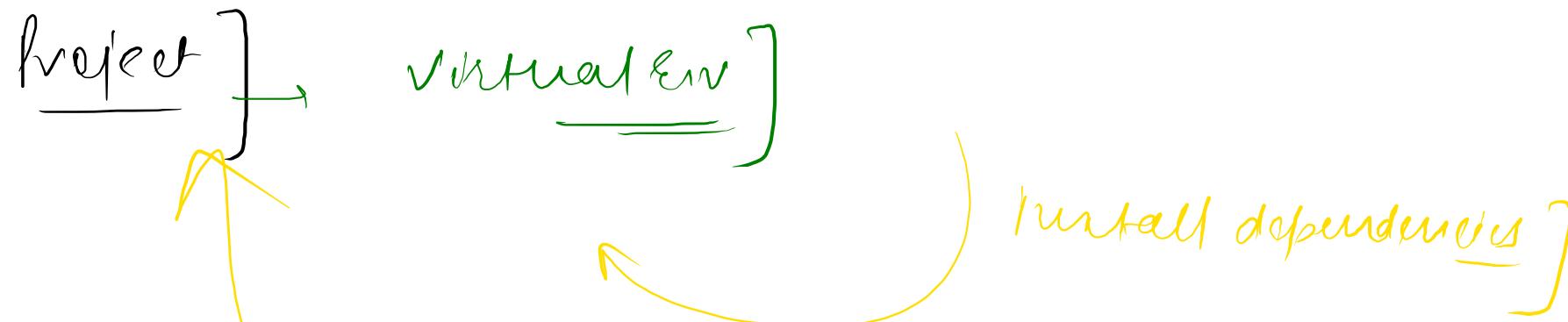


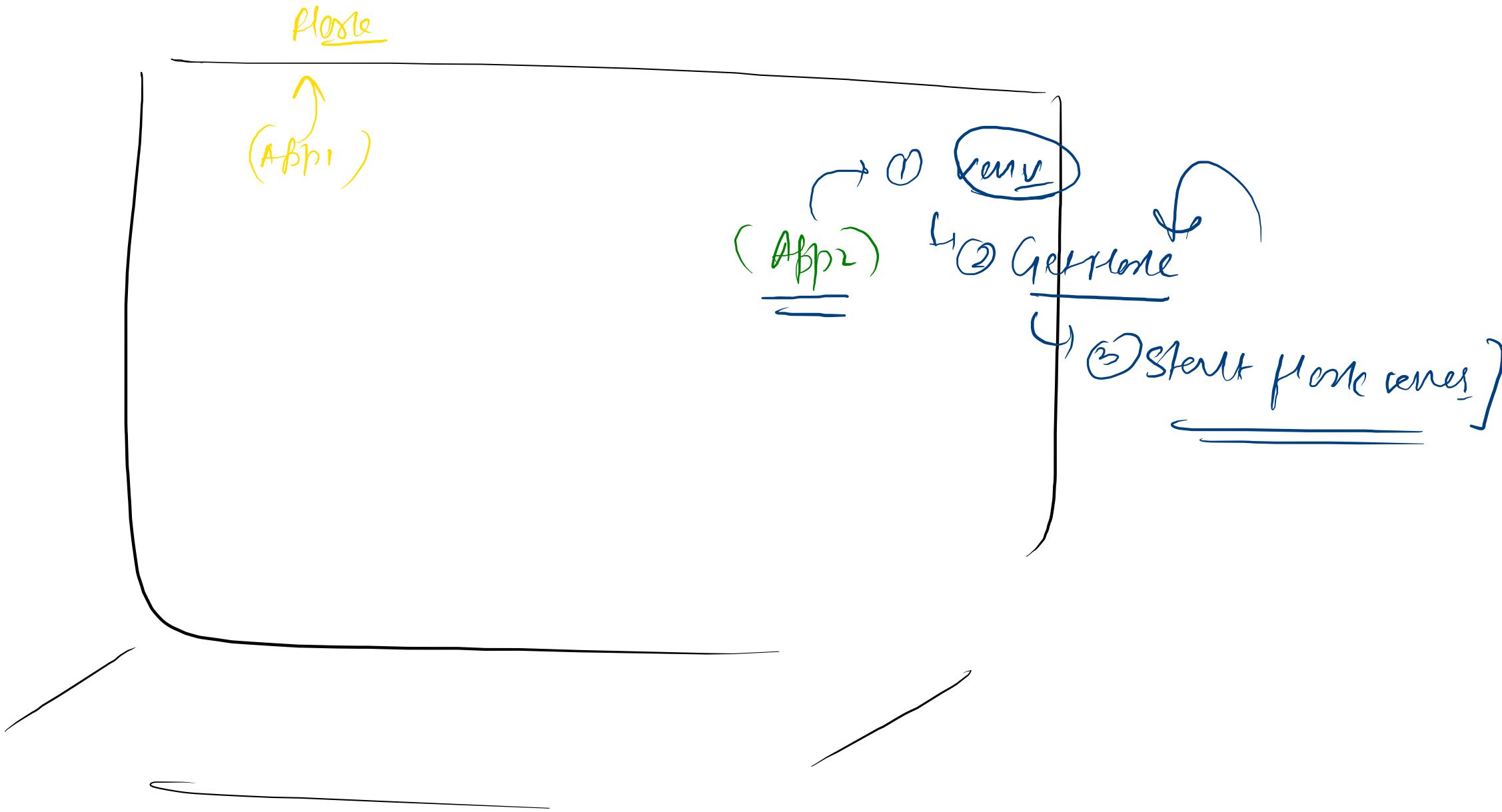
Amazon

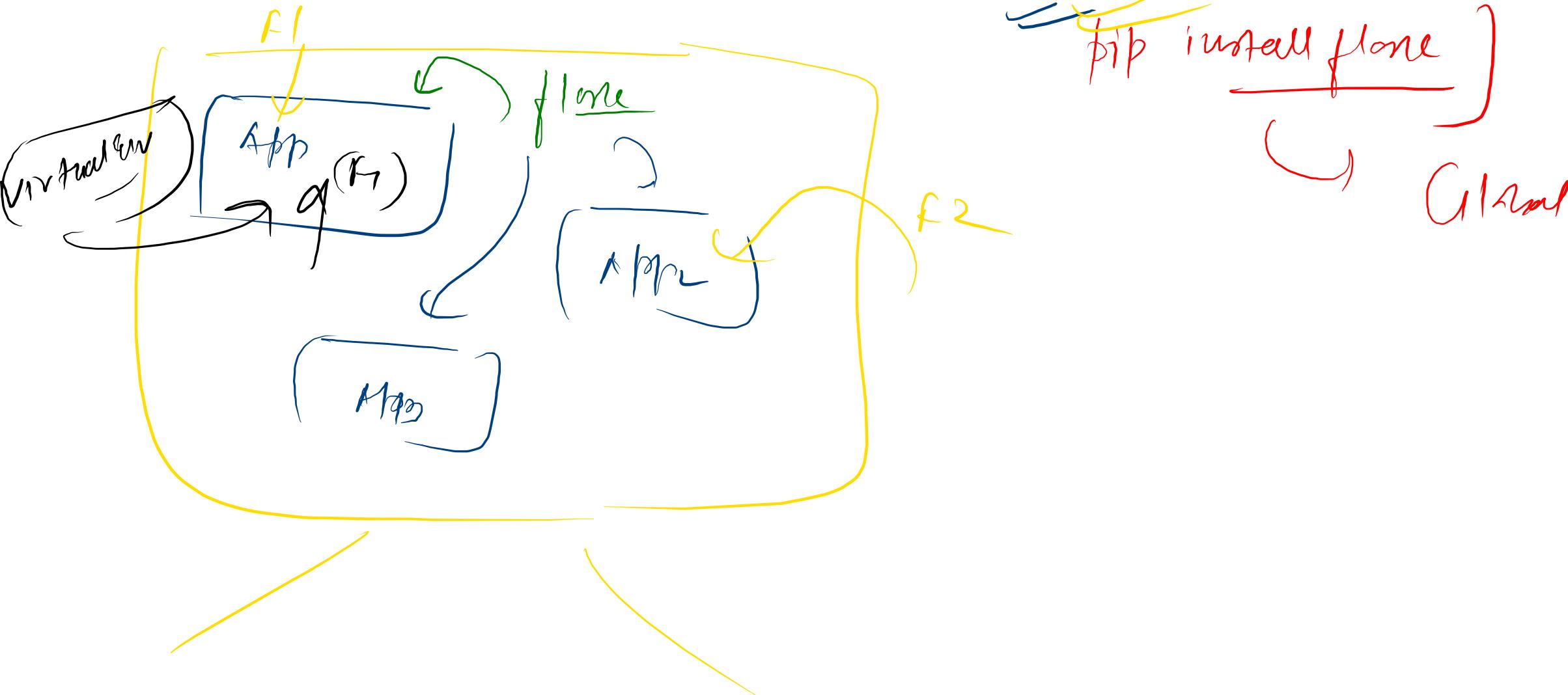
Alipay



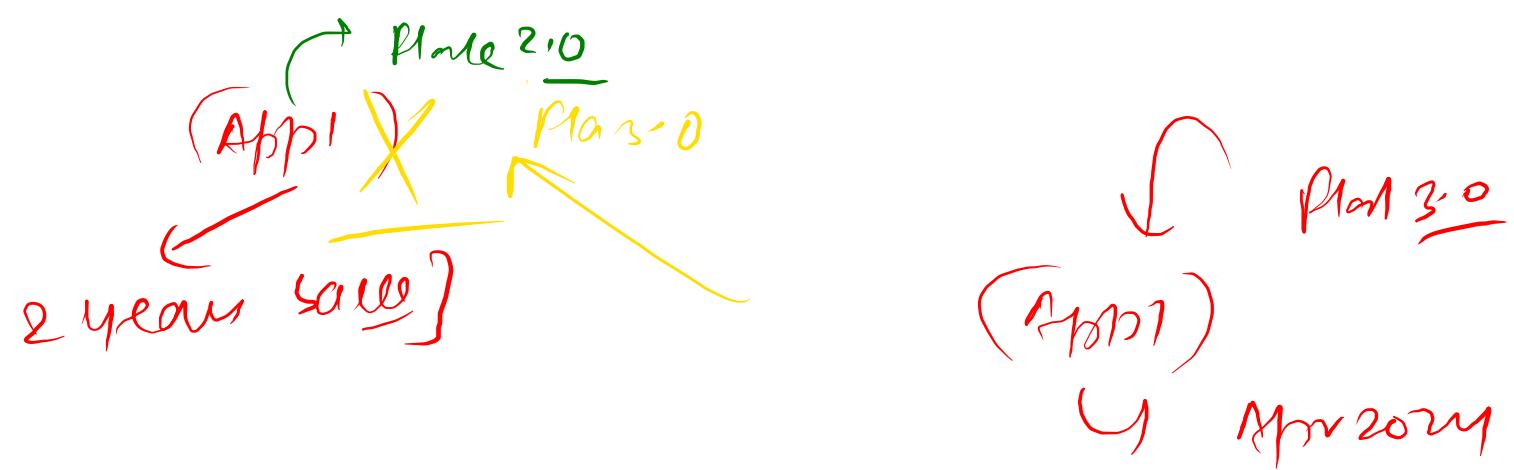
virtual environment







family} (Combined family})



↓  
**Plan 3.0**  
**(App1)**  
↳ **Apr 2024**

- ① Python
- ② vs code
- ③ vs code

④

Python Extension

app.py

print('HelloWorld')

Create virtual environment

⑤

⑥ Activate it

⑦

tip install flake

if this works

Mac

(step1) python3 -m venv ovnv

(step2) closed the terminal

(step3) Re-opened the terminal } It opened in the  
ovnv mode

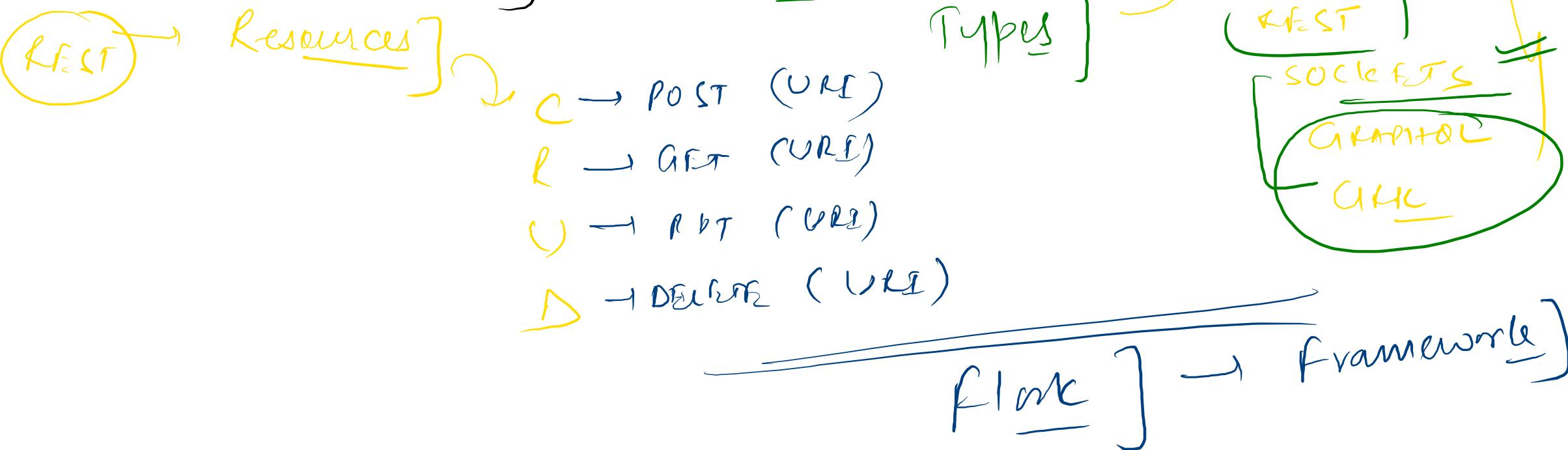
X

source ./ovnv/bin/activate

U pip install flask



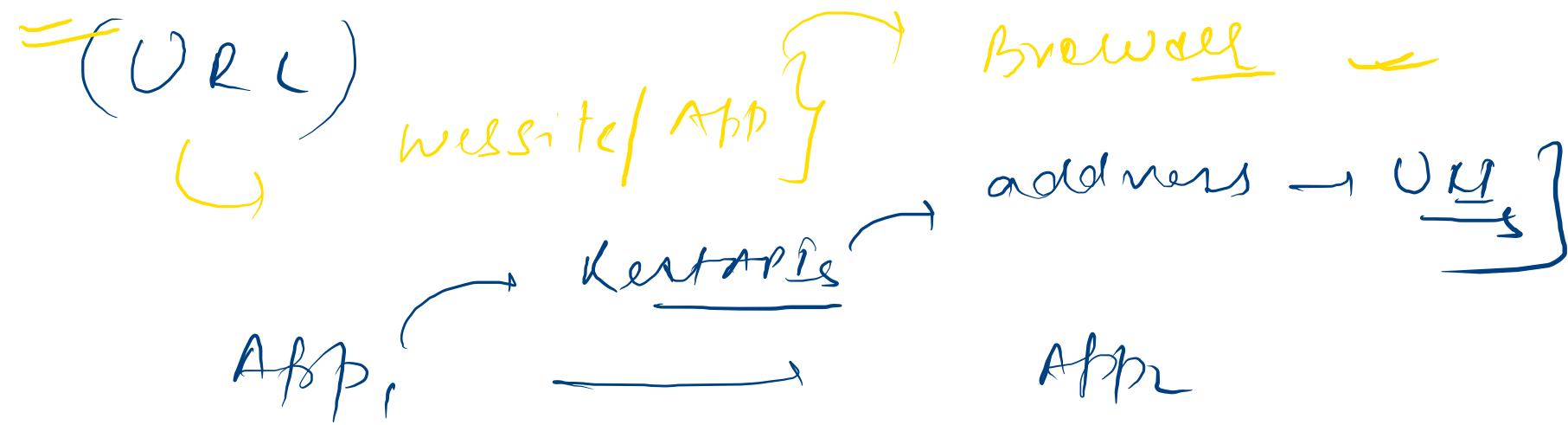
# Summary



- ① Python
  - ② VS Code
  - ③ VS Code [ Extension ] Python / Python
  - ④ Create venv
  - ⑤ Activate venv
  - ⑥ pip install flask
  - ⑦ Write the code [ Start flask server ] ✓
- 
- ```
graph TD; S1[① Python] --- S2[② VS Code]; S2 --- S3[③ VS Code [ Extension ] Python / Python]; S3 --- S4[④ Create venv]; S4 --- S5[⑤ Activate venv]; S5 --- S6[⑥ pip install flask]; S5 --- S7[⑦ Write the code [ Start flask server ] ✓]; S5 --> S7;
```

Summary

[idea App] → complete end to end app]



12:30 }  $\rightarrow$  10 minutes  
1:30 }  $\rightarrow$  10 minutes