

→ Online Dating App

→ Bonus:- Problem Statement-

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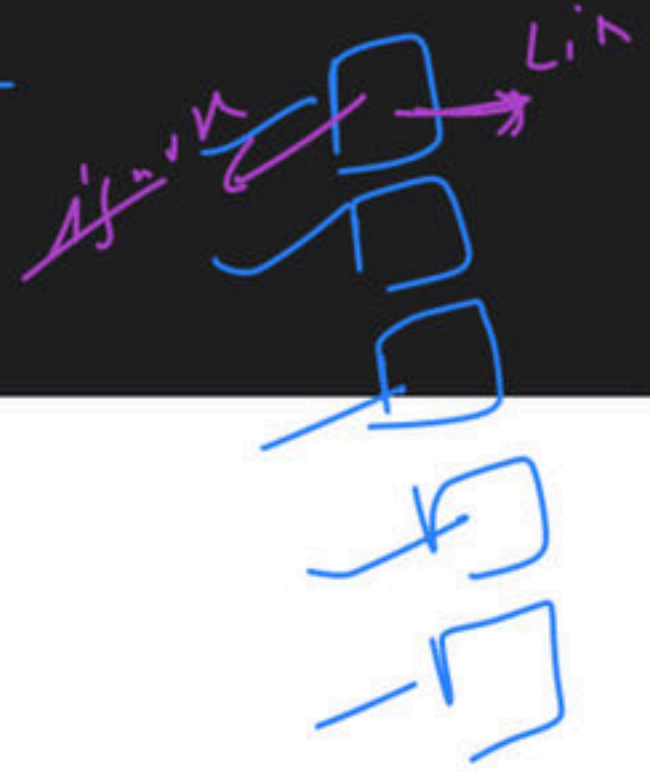
Solving Design Problems - Level III & Doubt Clearing Session

Course on Solving Real World OOPs Design Problems

Gold/Platin → 30 → match
⊕

5 pic

Account



Operations:

A user can perform these operations in this application:

1. Create Account: A person can create an account with interest and profile details.
2. Potential Match: Provides all the potential match of a user in relevance order.
3. Like: User can like a potential match user. (4) 2 (5)
4. Show Matches: Showing the users which match against a user. A match happens when both the users have liked each other.
5. Show All Matches: Showing system view by displaying all the matches in the system.
6. Ignore: User can ignore a potential match user.
7. Delete Account: If a user deletes account, then all matches and likes will be removed.

clansy →



m3+T → Sundari (Ranma)
 Delhi → Sundar → Pakistan
 tare

User → location
 Arrow → age
 → gender

Online Dating App Online Aashqui Application [Low-Level Design]:

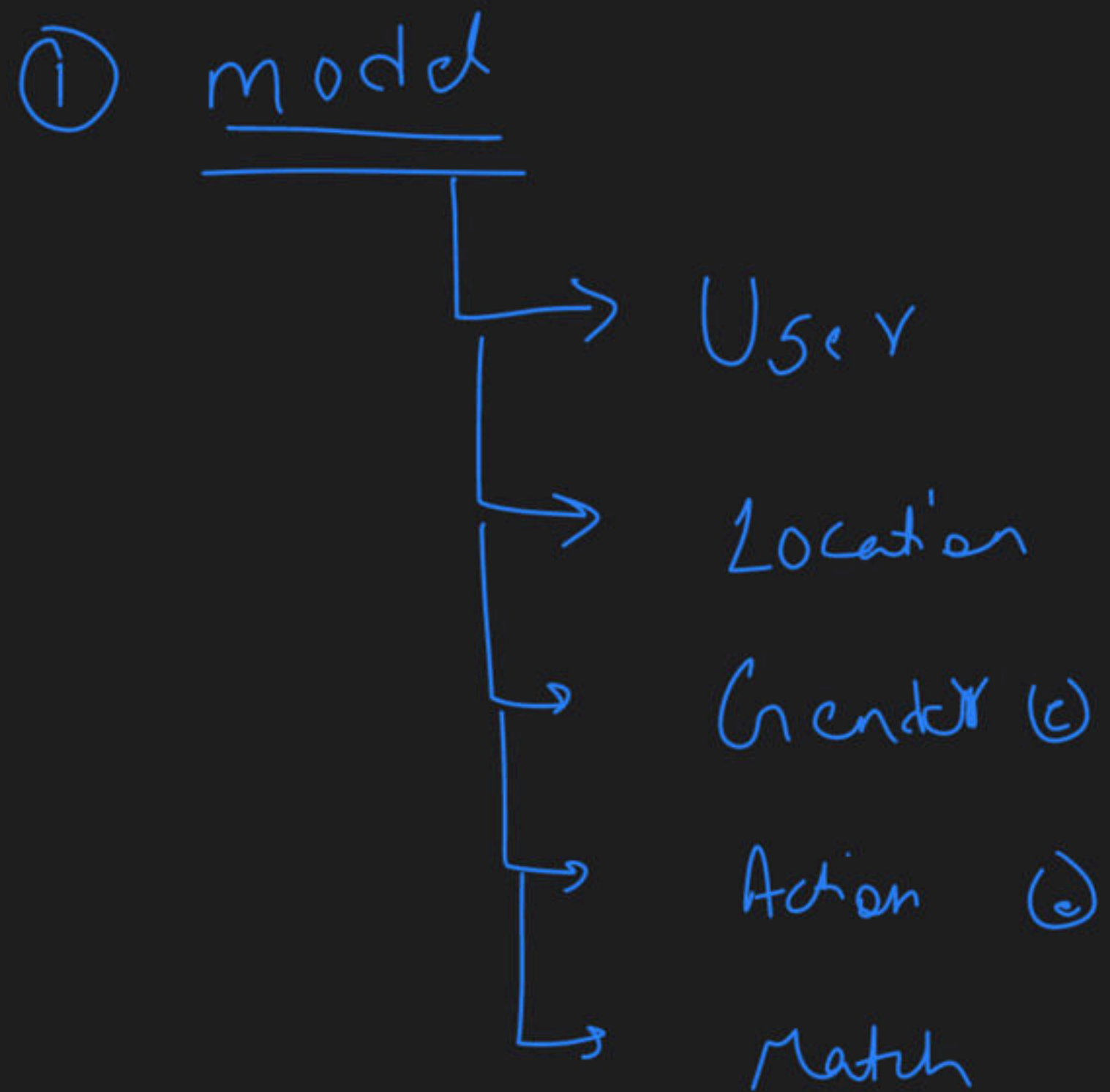
Problem Statement:

Create an online dating application. Every Active user account will have location, age and gender info. The App should show users their potential matches in order of relevance. The ordering of relevance will be following:

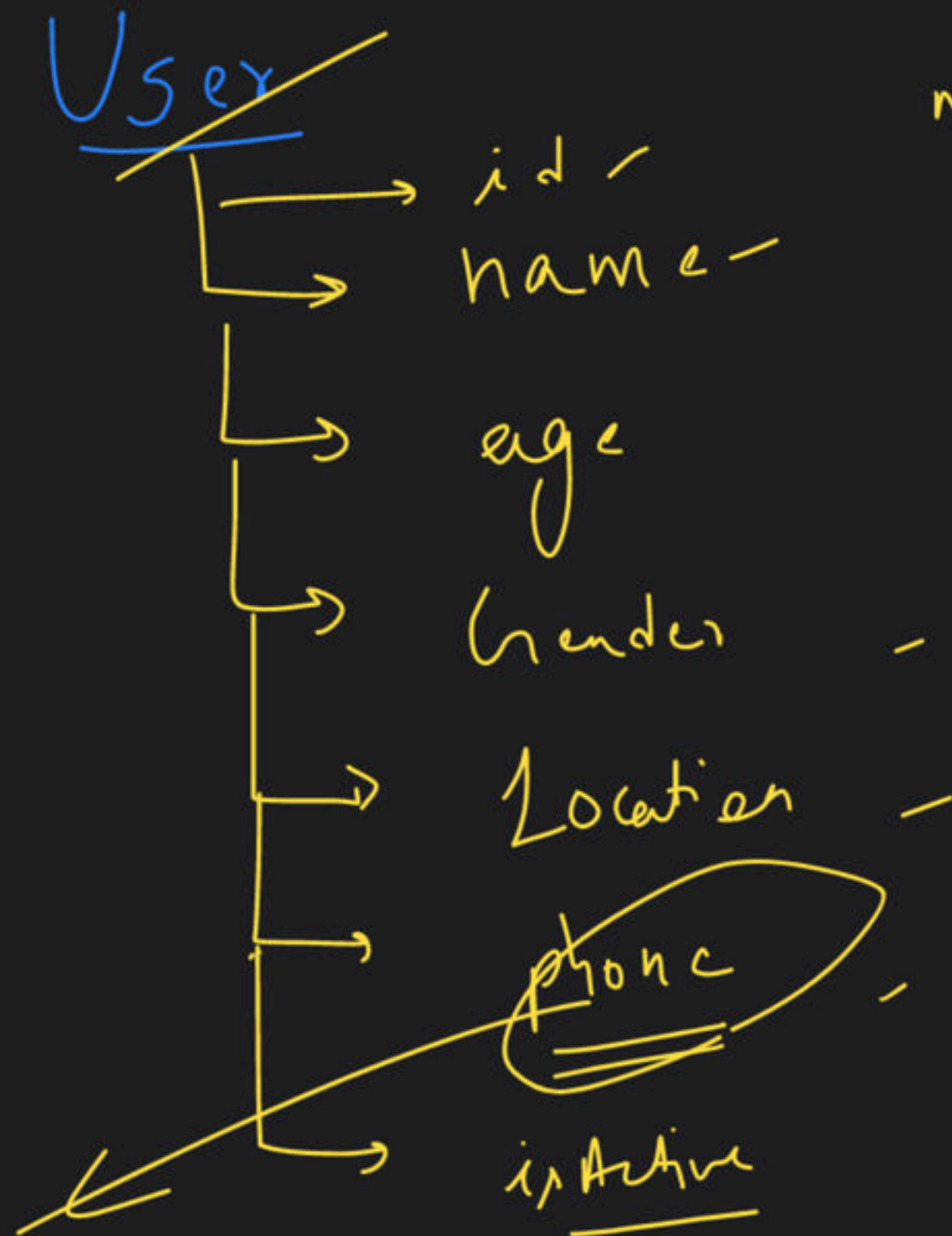
1. Gender : Opposite gender -> high priority.
2. Proximity: Nearer matches should be given more priority. Use following formula for computing distance between two locations ($\text{dist}((x, y), (a, b)) = \sqrt{(x - a)^2 + (y - b)^2}$).
3. Age: Less age difference -> high priority.

23
 21 22 24 25

67
 23+24
 2425



2 - Ka
2 - Jude



match

like → right swipe



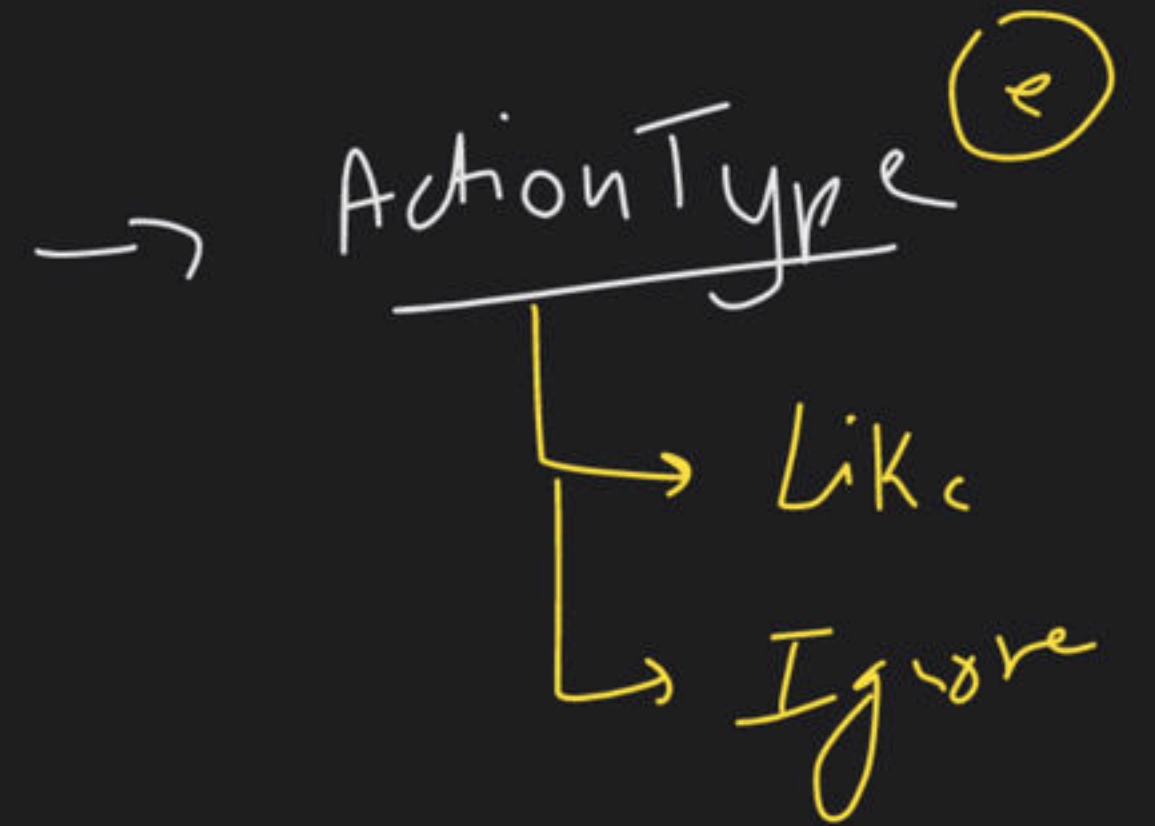
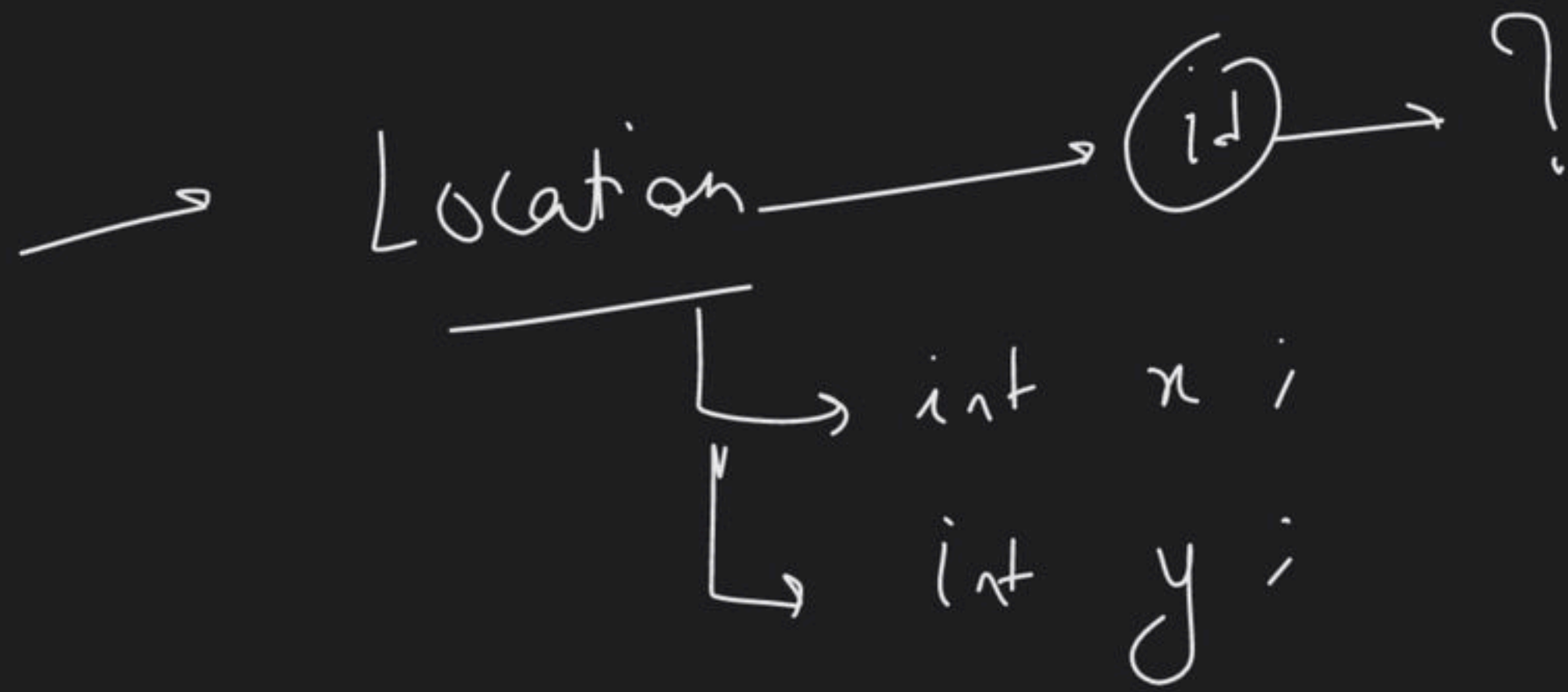
Int (int match)

↳ List < Match >

↳ List < User > → users who liked you

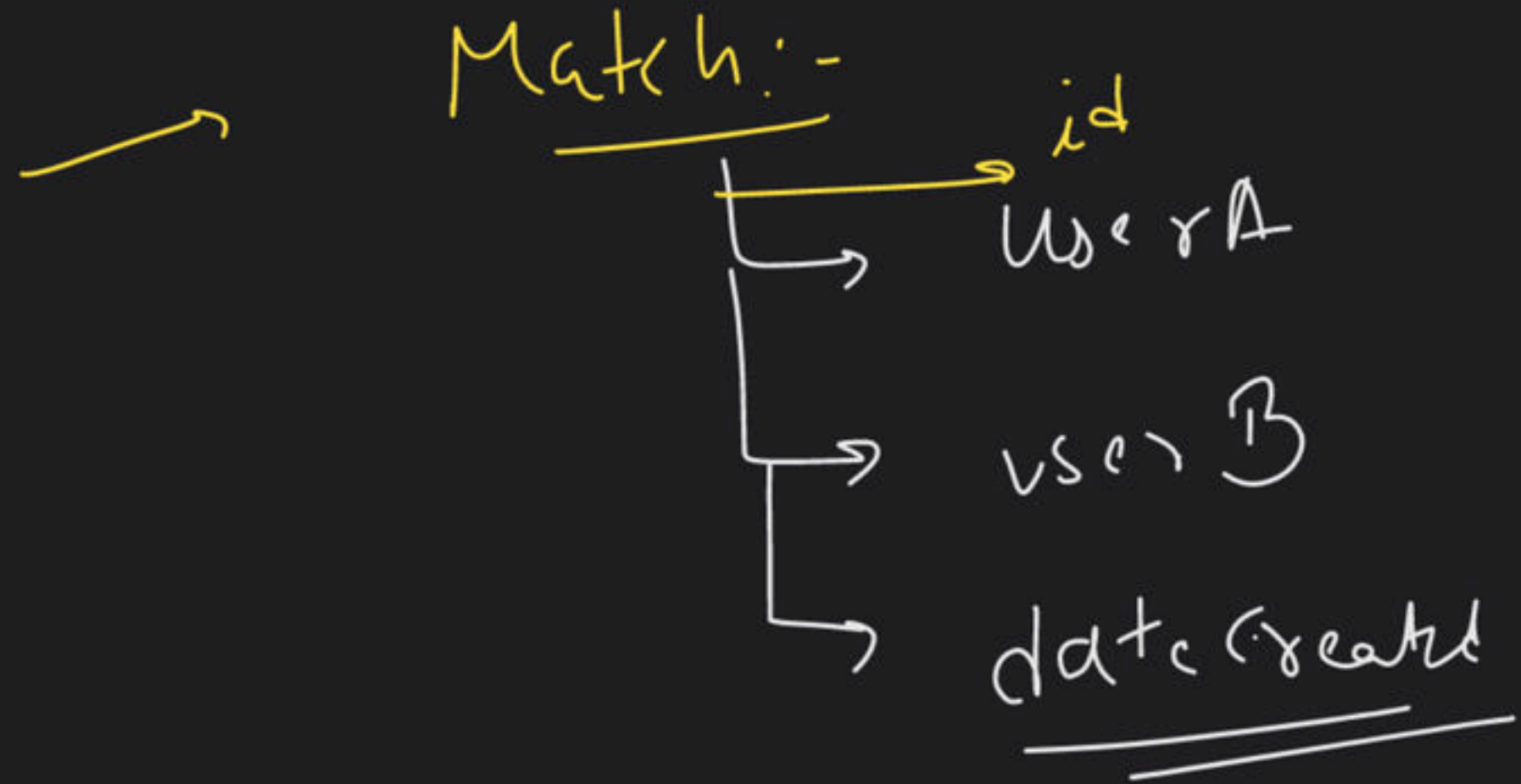
↳ List < User, ActionType >

Code → min talk → on the go → find out what good prediction



→ enum Gender^e

```
{ Male, Female }
```



1 day



IDGenerator:-

→

util

return

→

→



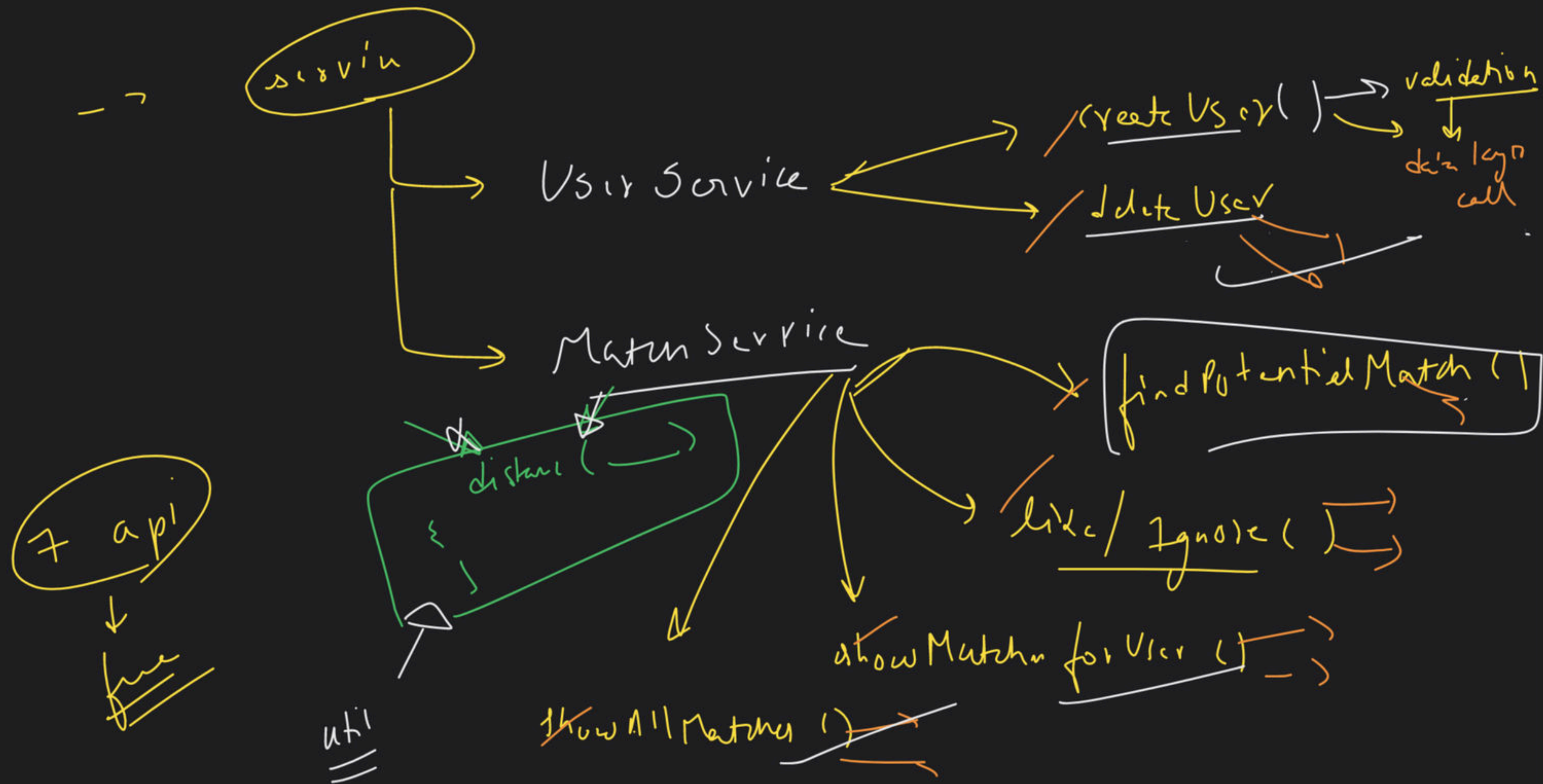
exceptions



NoUserFound

Exception

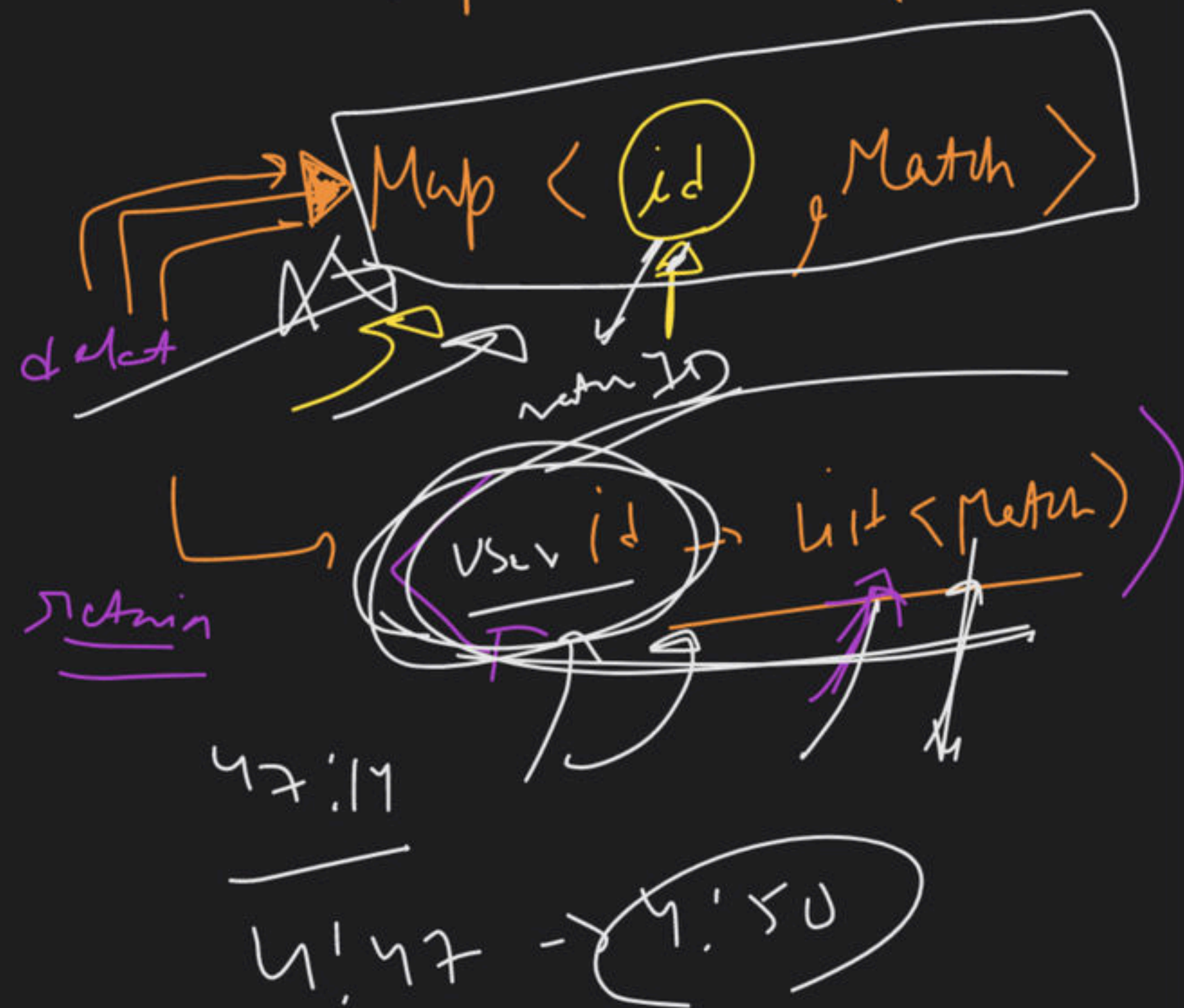
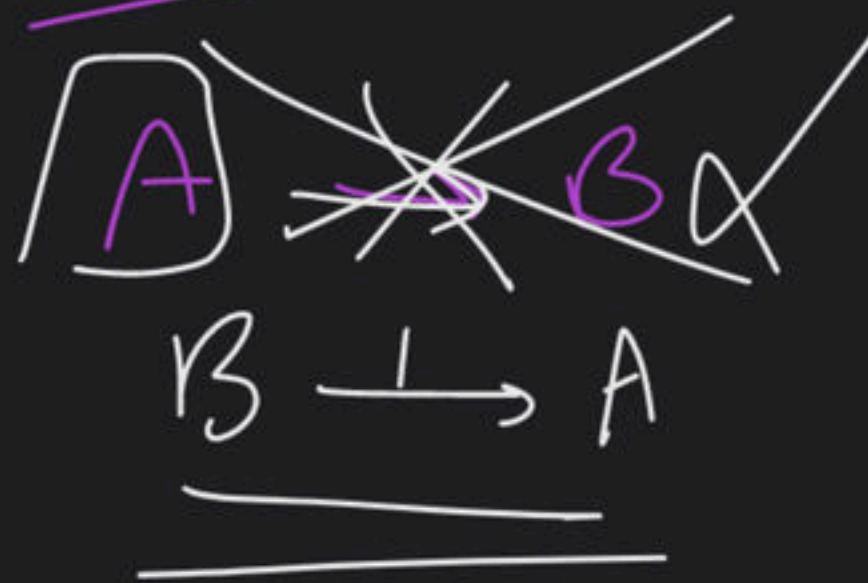
return

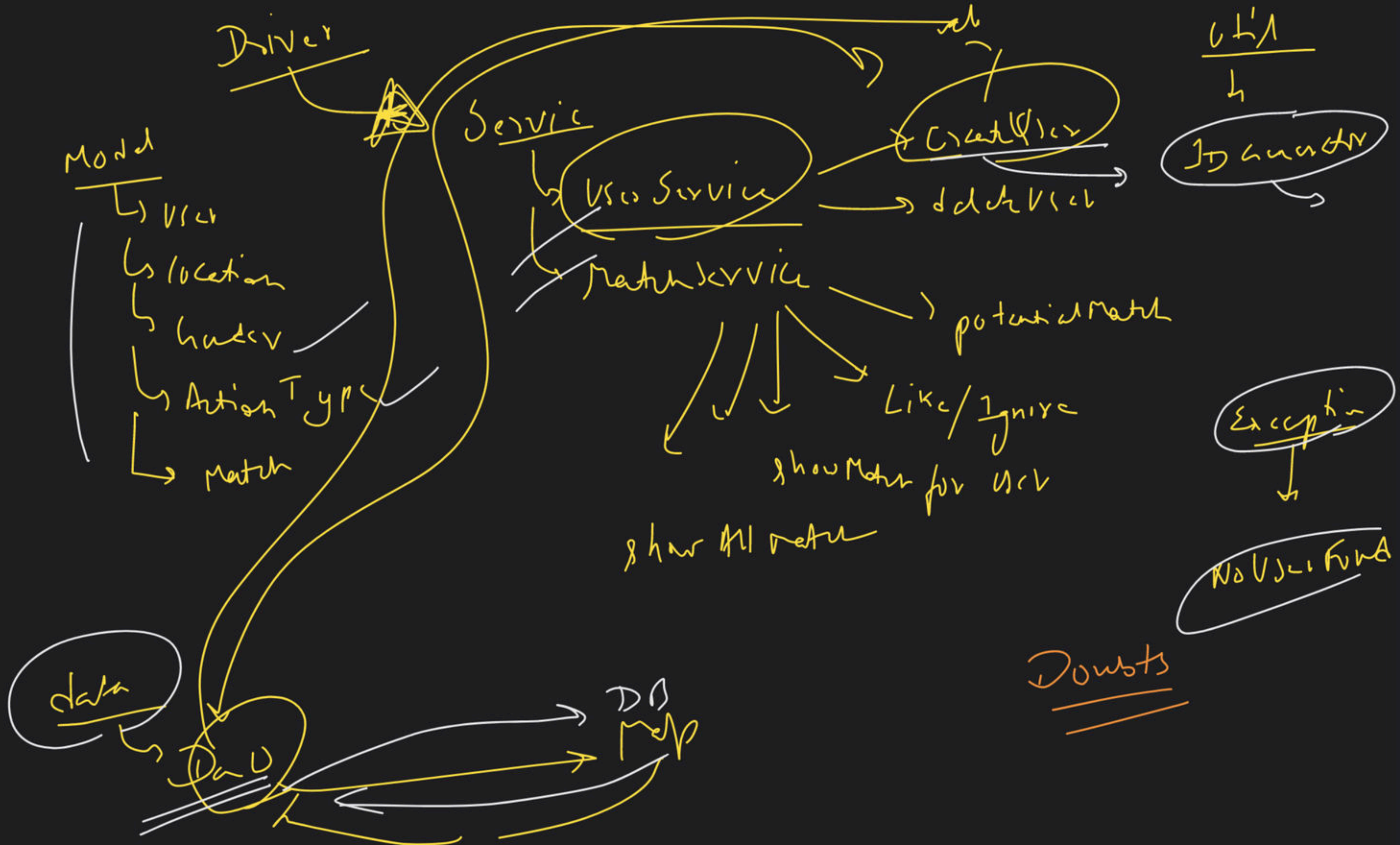


28-jun 1996 → 28-06-96

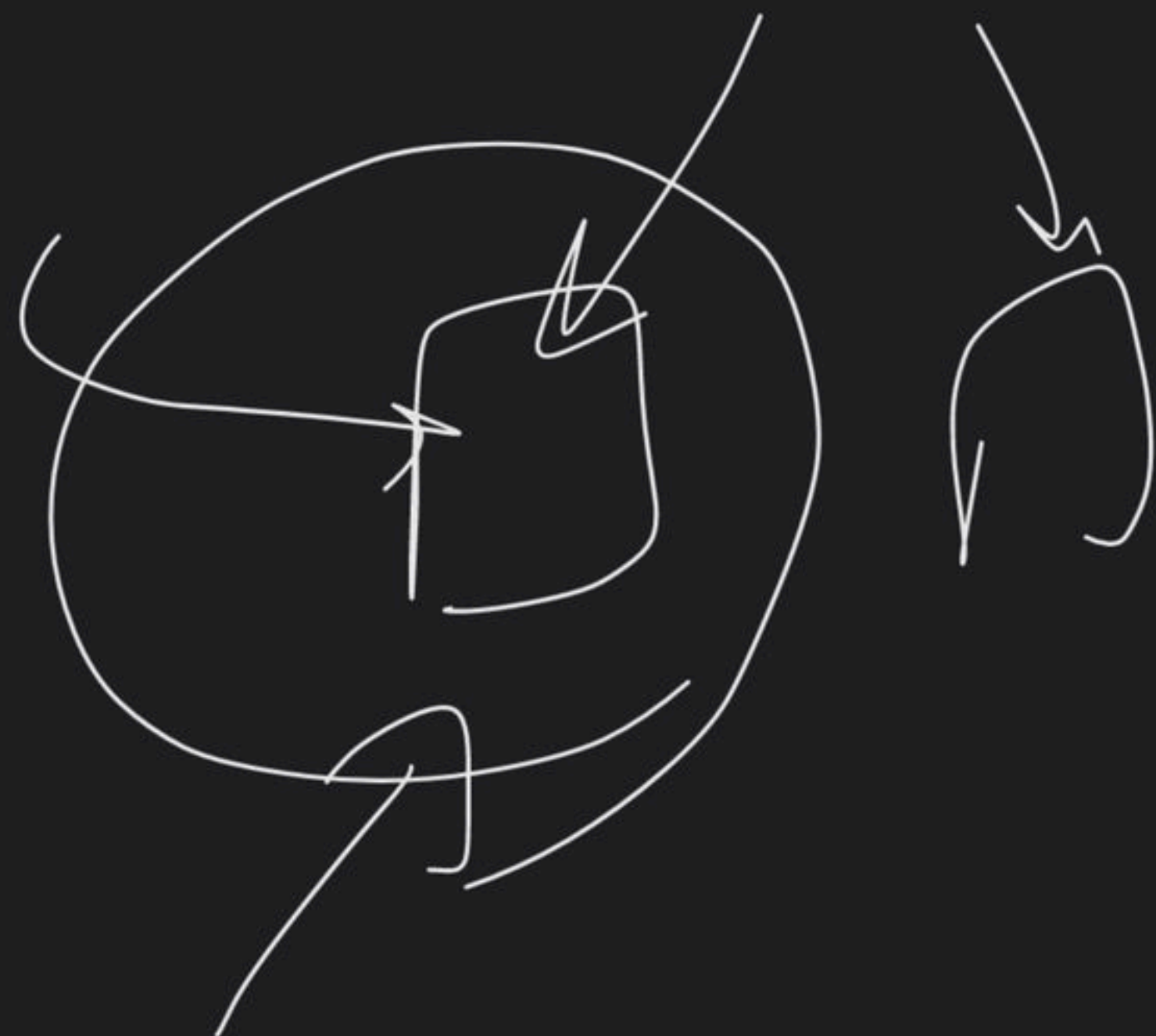


- showAllMatch
- showMatch for User
- delete User (usrid)





Redundancy



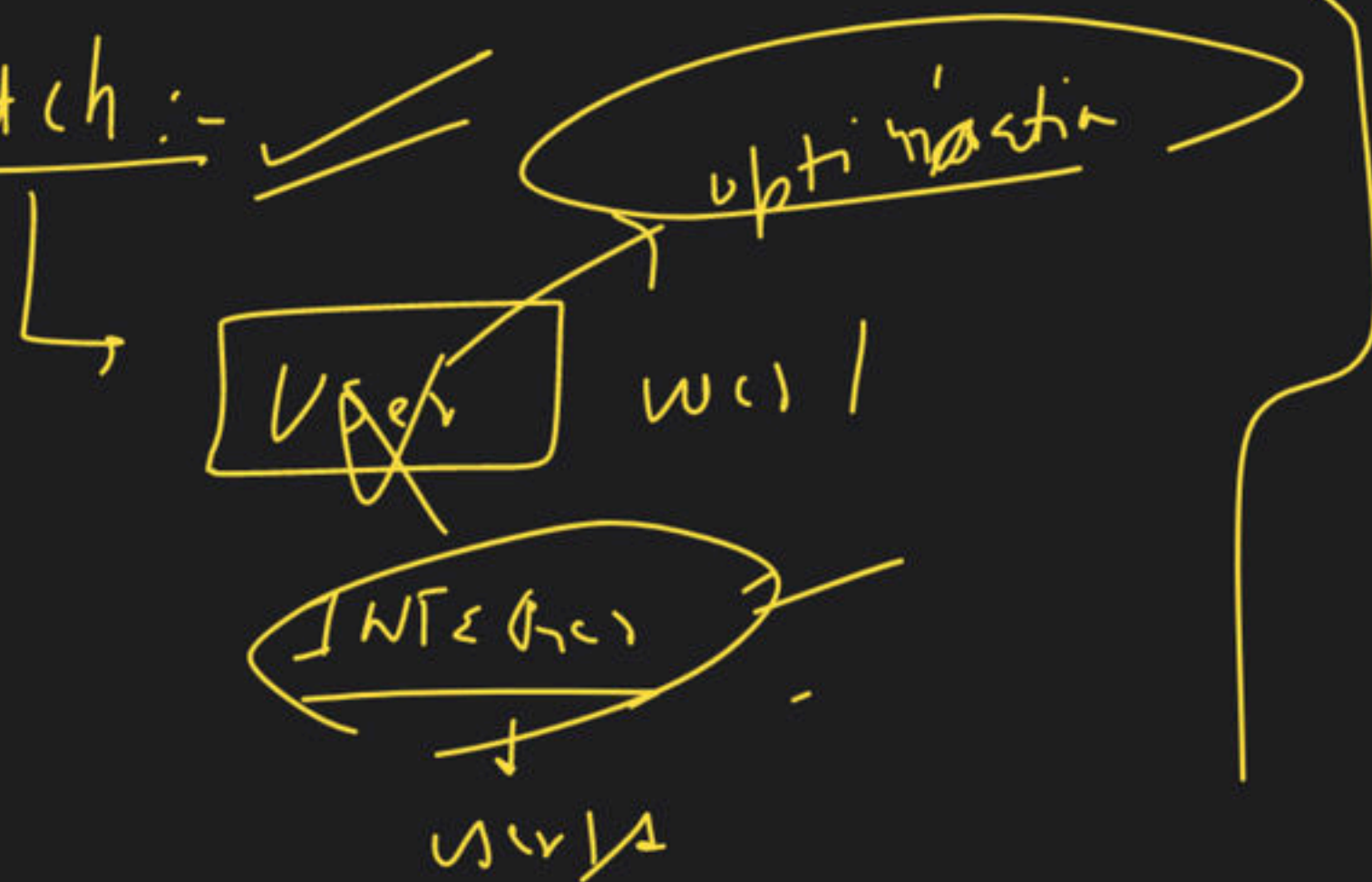
→ User //

→ Location:- //

→ Gender //

→ ActionType //

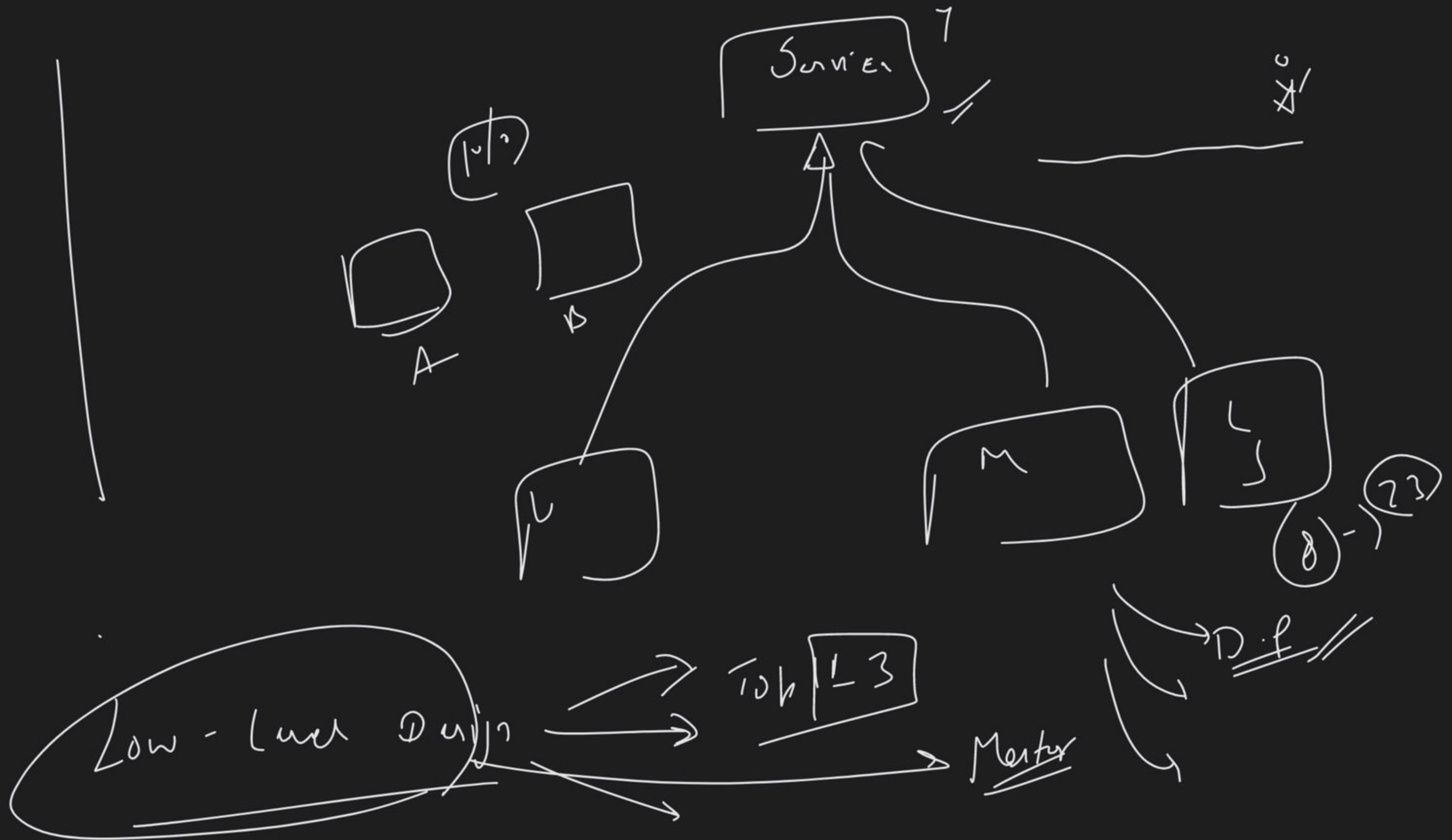
→ Match:- //



IO Generator ^{scope bhol}
n implement 12

Ritual

- invalid naming
- bad practice
- return type &
- Dao pattern break
- design principle



OOP

OOD →

done →

energy ++
--

Feedback

must

Good
Bad

Object

Oriented

Design

Completed

Interviews Prep BootCamp

20 June) → Monday

Quation → 5 hrs → L-ved

note
↳ L w 4 key
↳ DDI ↻

Friday met

- OS →
- DBMS →
- OOPS →
- C W →

4-1 pm

Set →

LB

200m Senior

18-20 mint

LOVER

→ Mail format

H/W → SDE2

Subject →

GOOD_Bonus_Solution

Name

space

Solution

novelchkr3
@gmail.com

Body →

H/W

zip file → attach

=====

→ miss u - - - - -

subham

→ Deepika

→

























