Lect: - Designing a Mother cation System

Motification Systems.

Jabhi Kuch banana h to, me Stant mithe quertions

To bhi hume bornane di gayih, unse nannow down kare,

hume jobhi requirements hunse list down kone, taki mai aun mera interviewer same page pe ho.

eg > Push notification (eg "Someone Sent nyon a reg" s light,

- Grad Motification

Real time System V/S

-> Mo System hotah,

Jisme hum chantehki

Jobhi hum changs

Lone mo mento

ek dum se reflect

ho jaye

Left Real Time System

-> We try to send Motification no soon as perrible.

- There can be exception;

System is down - semen is bury

Jitnajaldi ho Sake bhej denge, foi baat ni agen immediately ni bhej paa rahe ho Il To hume aproa notefication system "Real time" ya 'Soft real time" bernana h?

- Soft real turns.

2) Denices type? — Iol, Android, Webl Mindown, macos)

Cone Entities:

(Hamare notification System mai kann kann kann 8i entitles hongi, jo aapas mai communicate/interact kan sakte hai)

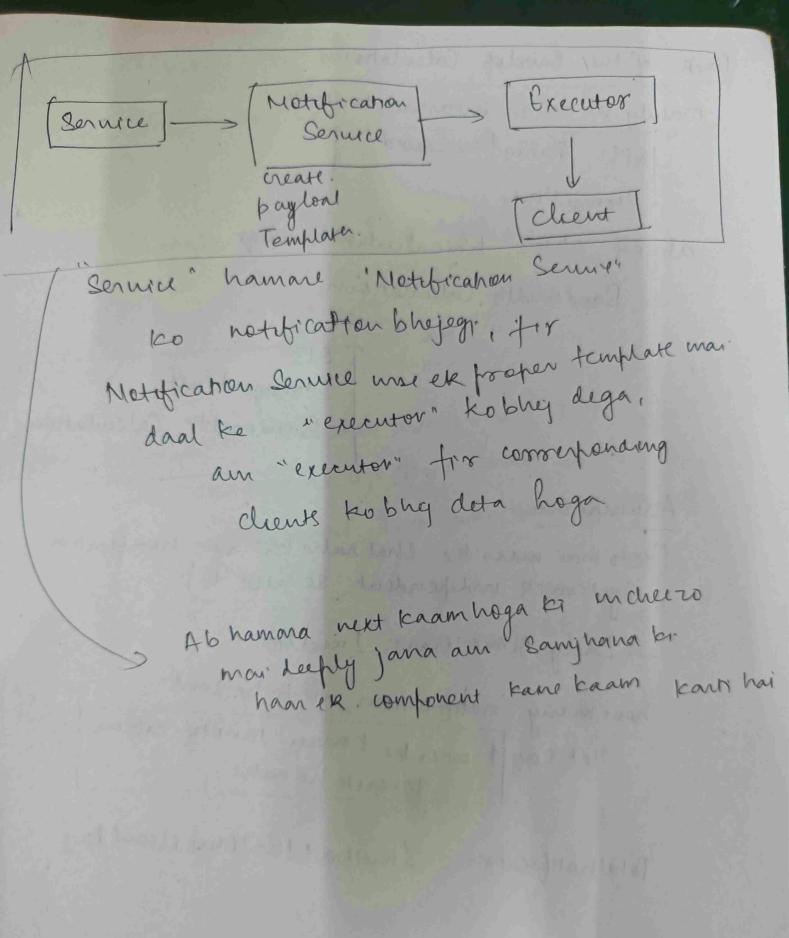
Chent

Was browner

(Ye notification)

bhylega

ye cheent jaroon ni ki uner ho, korbhi, kuch bhi hu lakta har



Back of the Envelop Calculations Mainly do chiere measure 10 onte his QPSI- Query Per Second Storage Unit, ab et cheer bhicalculat kanenge. Band midth Calculation Storage Unit Bandmidth Calculation Assumption ( yeto moi maan ke chal raha ci nye notification.

System ek independent service (h)

- Douby Adrie Chers: I midled

how many notefreations one to be sent.

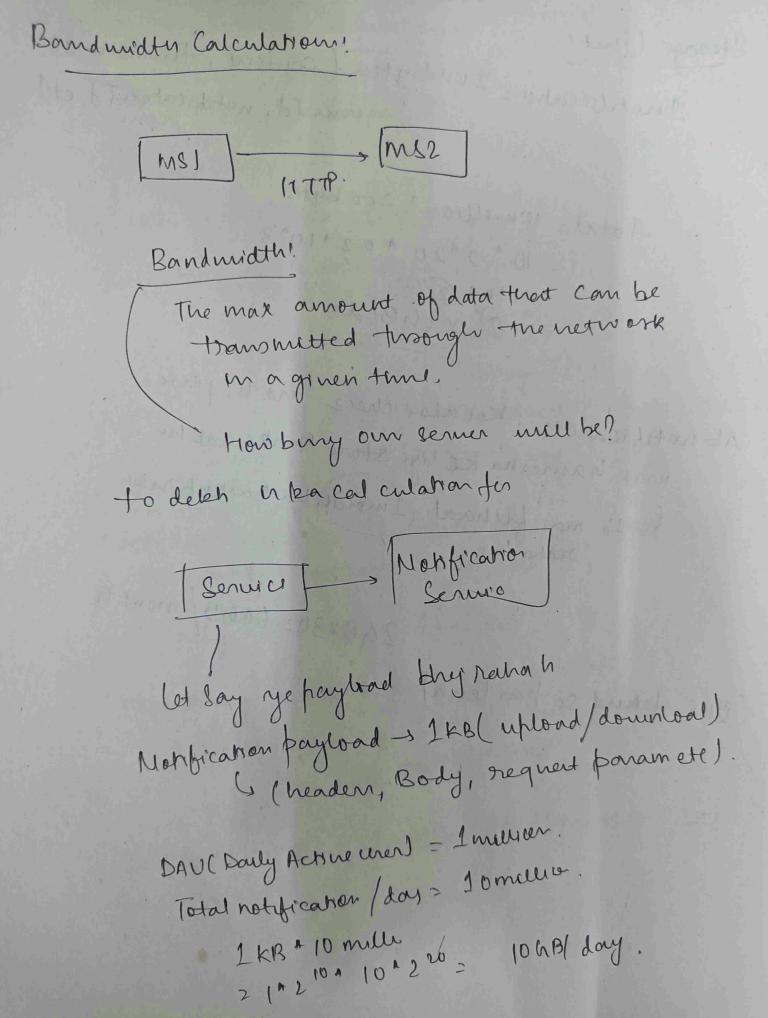
Let say I oner be lower 10 notification,

generate he rable.

Total notification = Invilled \* 10 > 10 mi Mont day

Storage Unit: 200 byten (content, timestamb, uner Id, notification Id, etc) Inothericana = total= 10 million \* 200 byte = 10 \* 2 120 \* 0.2 \* 10 13 = 0° ~2 4B/du Ab notification Koi alsi cheiz un hij une mai hamerna ke lige store kanke rakhe. C, to mai fuhaal Imouth ka backup rakh raha.hu 24Bx30= 60 MB/ month

(QPS knud se kontena)



Bandmath = 10 million \* 1 KB 86,400 sec. = 10 \* 2 20 \* 1 \* 2 10 86.4 \* 210 = 115 4 10-3 1 220 -115+2-10 +220 N= 115 KB | sec.) This is how bury our Server is going to be.

Ab Bound midth ccalculation so kaafi kuch. aap estimak konsakte hu,

Jahragen Server US 613/sa handle m Ican Sakta to aat Server 8 calms

Sab ke baarie mai soch sakte ho