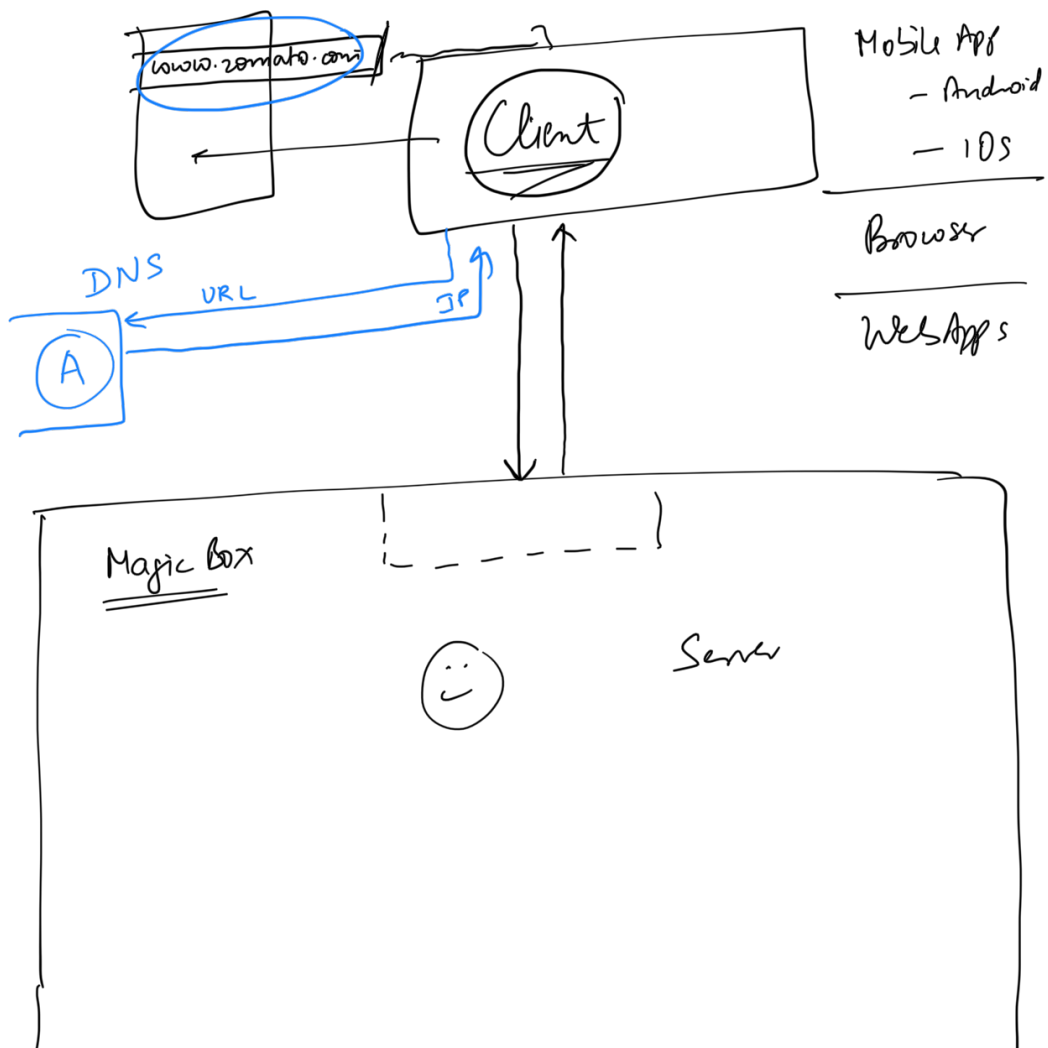


High Level Design - 101

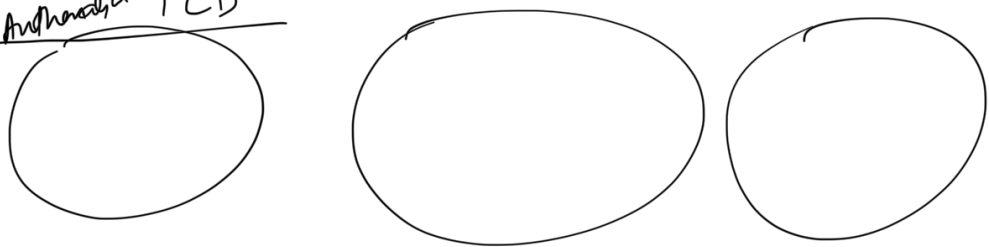
Low Level Design

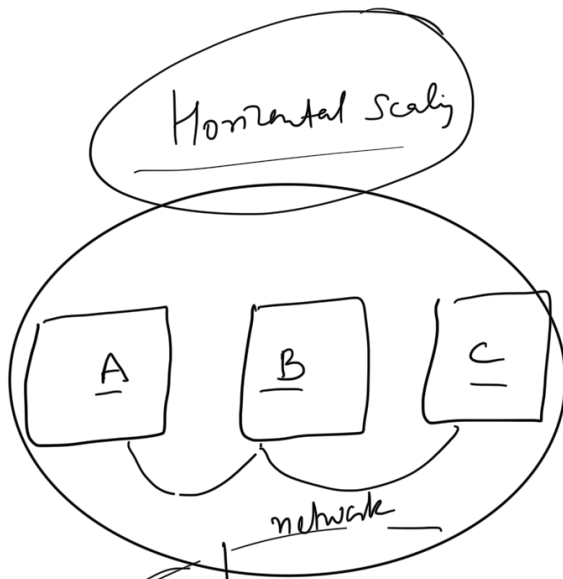
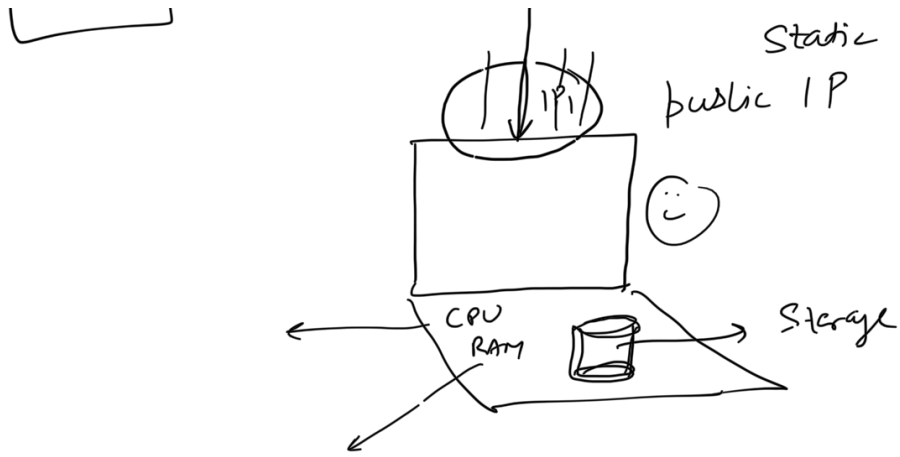
HLD





Authoritative TLD

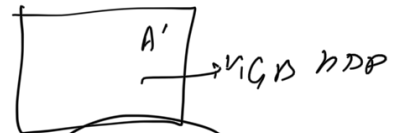
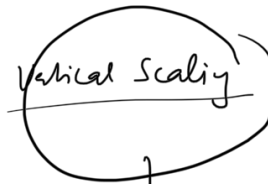




pool & get the job done

is never reliable

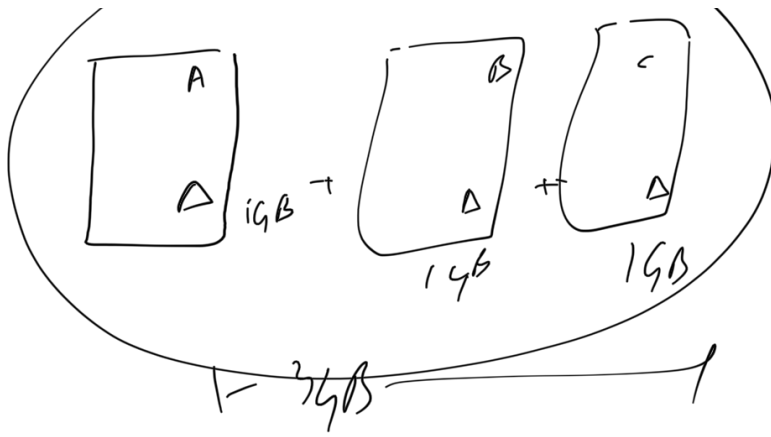
→ network for machine-machine communication



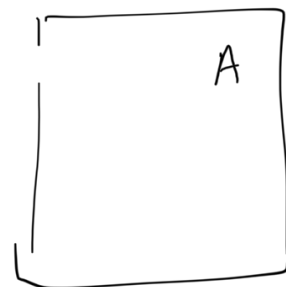
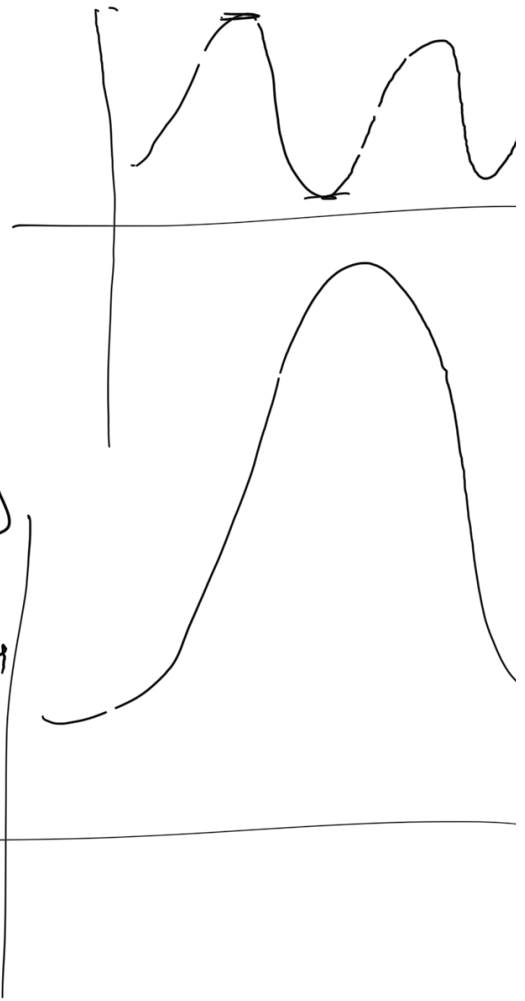
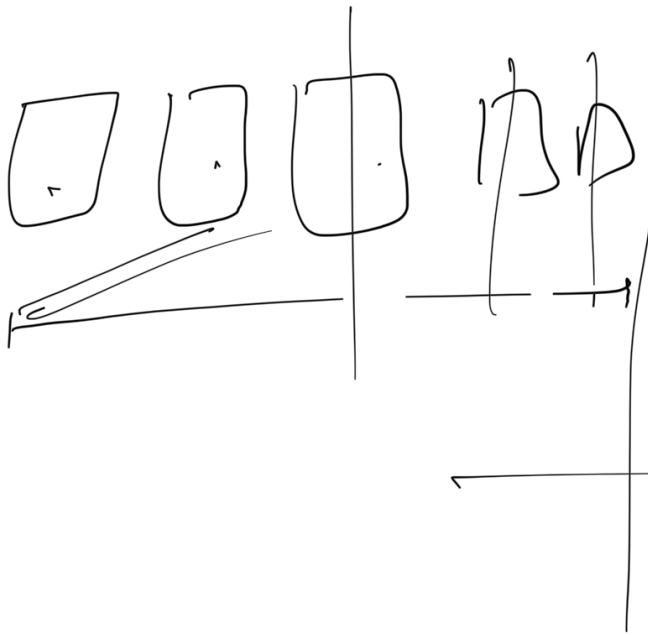
lack of flexibility

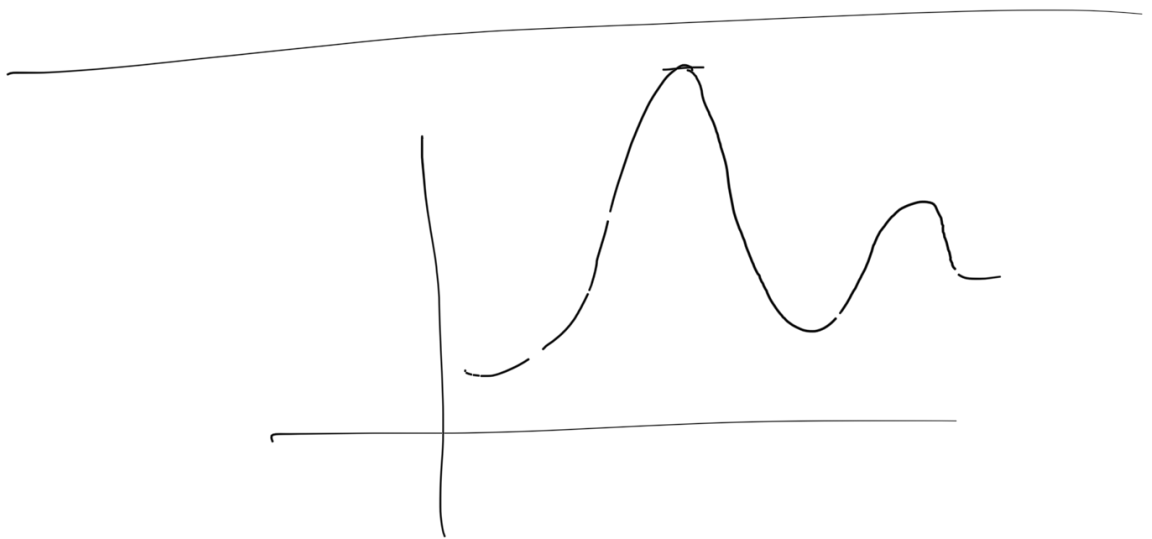
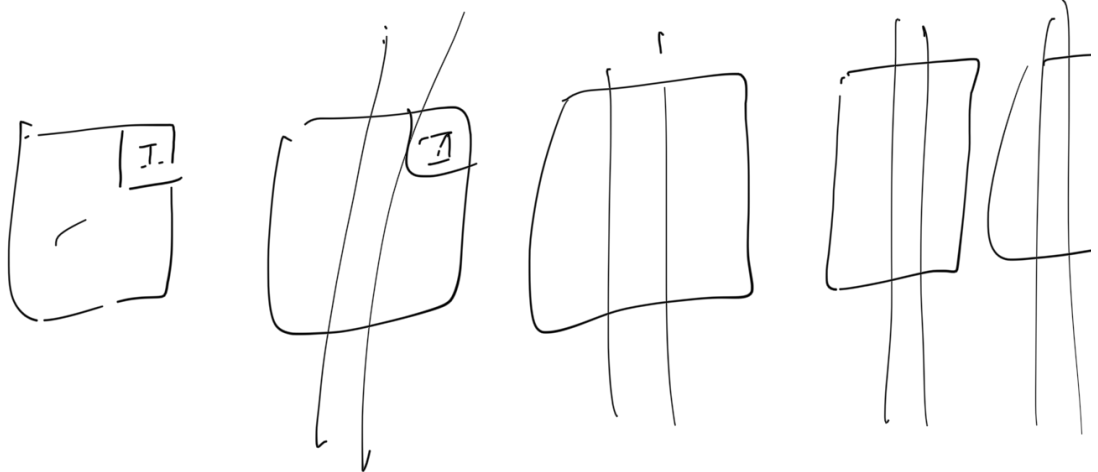
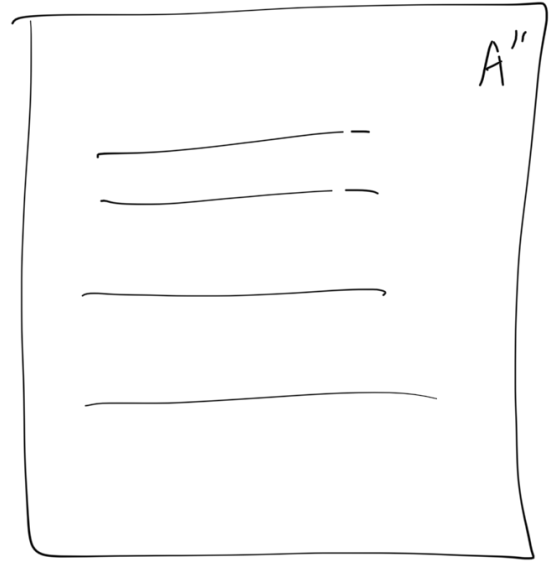
+

single point of failure



+ flexibility





Overview

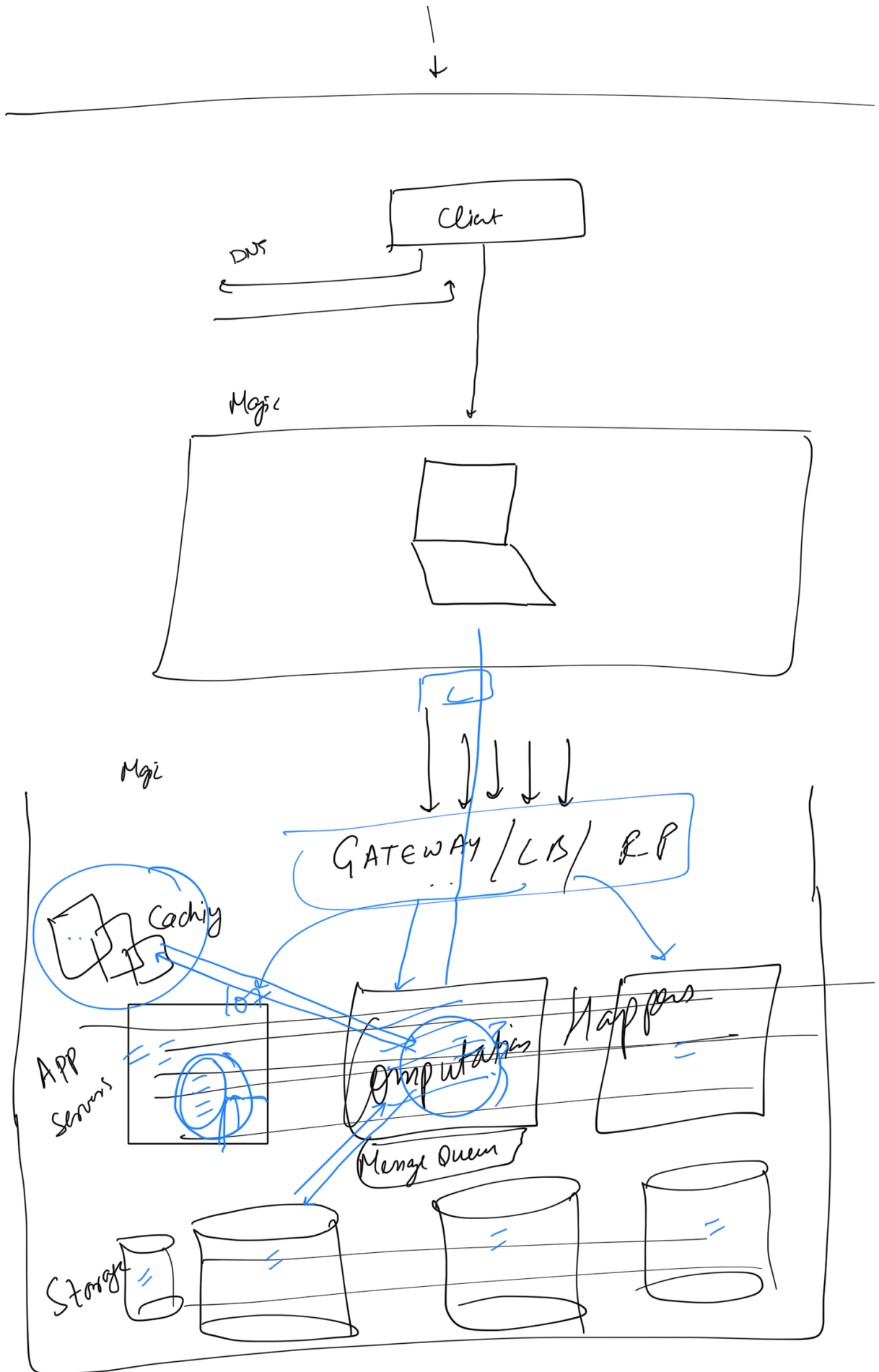
① Vertical + Horizontal
② Load Balancer + Queue + P-P
Consistent
Reli

③ CAP Theorem

④ App Servers
Databases
Caches
Message Queue
Kafka

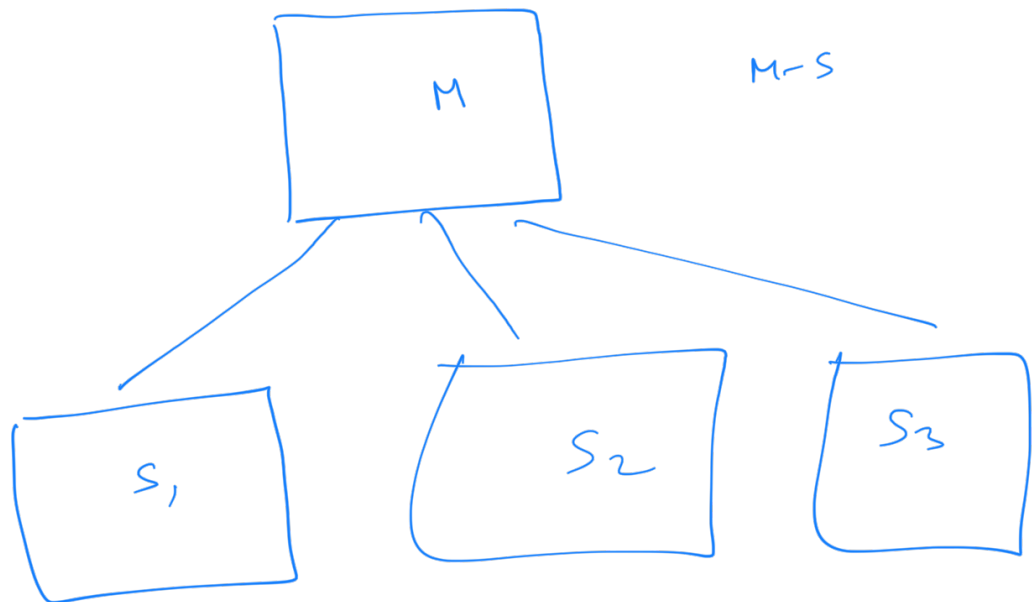
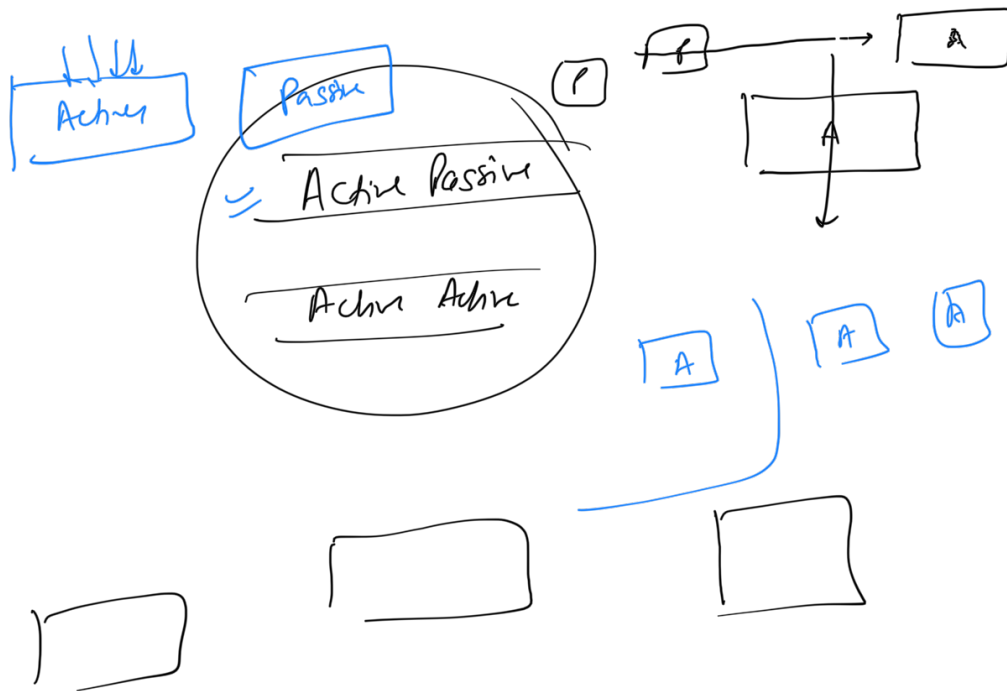
SQL
NOSQL
Redis

① FRS new feed
② FRS manage



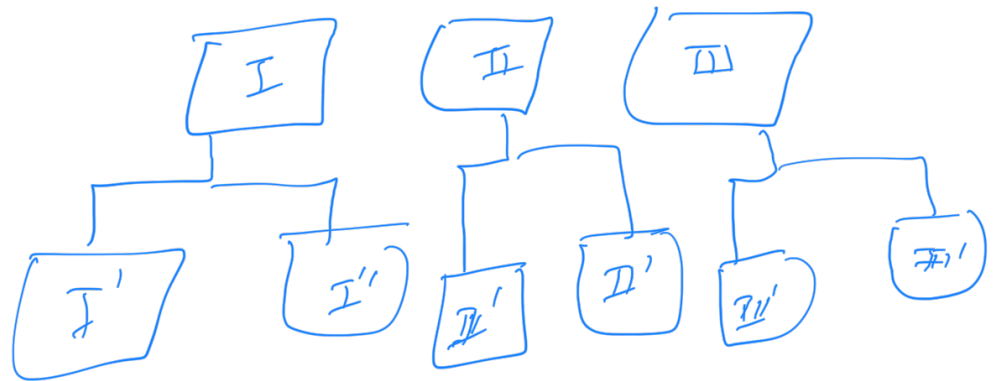
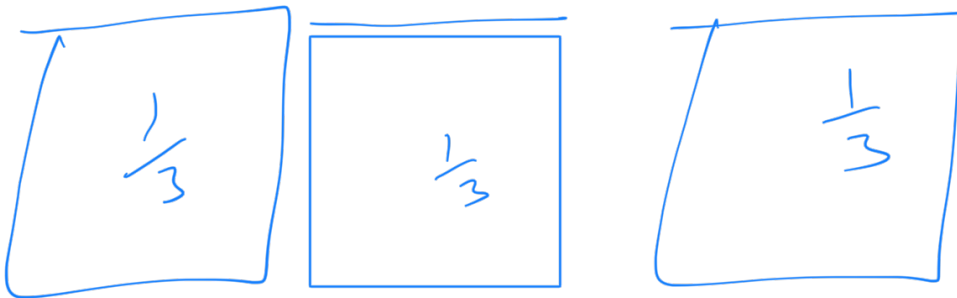
Replication

Sharding / Partitioning



[A] [] []

100



10k → 1M

Client

