Youtube (functional)

-> upload a

-> Search
-> watch a

-> Comment
-> Reccommendation.
-> Analytics.

Youtube (non-functional)

Reliability & video should not get corrupted.

Scabality
Les IB a crive users. I day.
Les A user watch 5 vieleus I day.

4 100 worth: 1 upload video.

> Availability or Consistency?

my feed to always have video).

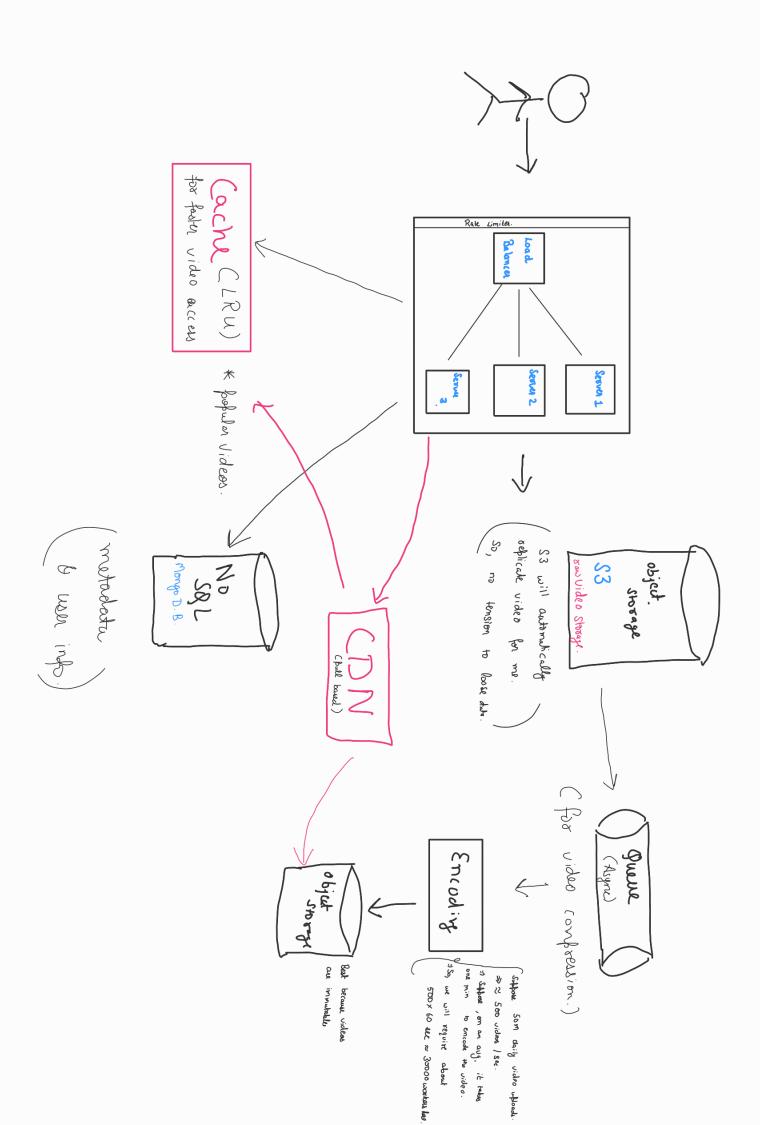
Consistency might have issue when -

I am reading sewer 1 video.

but my content creator uploaded video in server ?.

So, now it will take time to copy from

server 2 to 1. Therefore I might have to want.



upload (title, desc, video.mp4, UsrID, thumbnail)

To-watch

we will divide the videos into chunk and load only that chunk which is reg. at that time. This will reduce the latency.

s Secondly... we will use TCP because we do not want to miss frames in the video. while using UDP might lead to better latency, but TCP works best here.

fact

Is youtube originally used My SQL database.Later Sharded itAnd made an engine called vitess which made the Sharded D. B talk to the Application layer.