

https://www.youtube.com/watch?v=Z-0g_aJL5Fw

API design

The system has to upload new videos from users

uploadVideo(data, userId) → upload more than videos?

→ uploadData(datatype={video, image, music...}, data, userId)

The system has to allow users to view videos on a personalized feed

getFeed(userId)

The system has to allow users to annotate uploads with metadata

annotateVideo(userId, videoId, annotation)

→ annotateData

Video metadata schema

userid = uuid

video_link = url

metadata = string

Separate video storage from video metadata storage

- video metadata can be a in a sql table (RDBMS)
 - not clear why -- though perhaps can be useful for join queries ie get videos from other users who are my friends...?
 - if you just look up by a userid key may be easier to just store all the metadata + data in one document store model
- video itself can be written to blob storage like s3
- video metadata just has a pointer/link to the blob storage for the