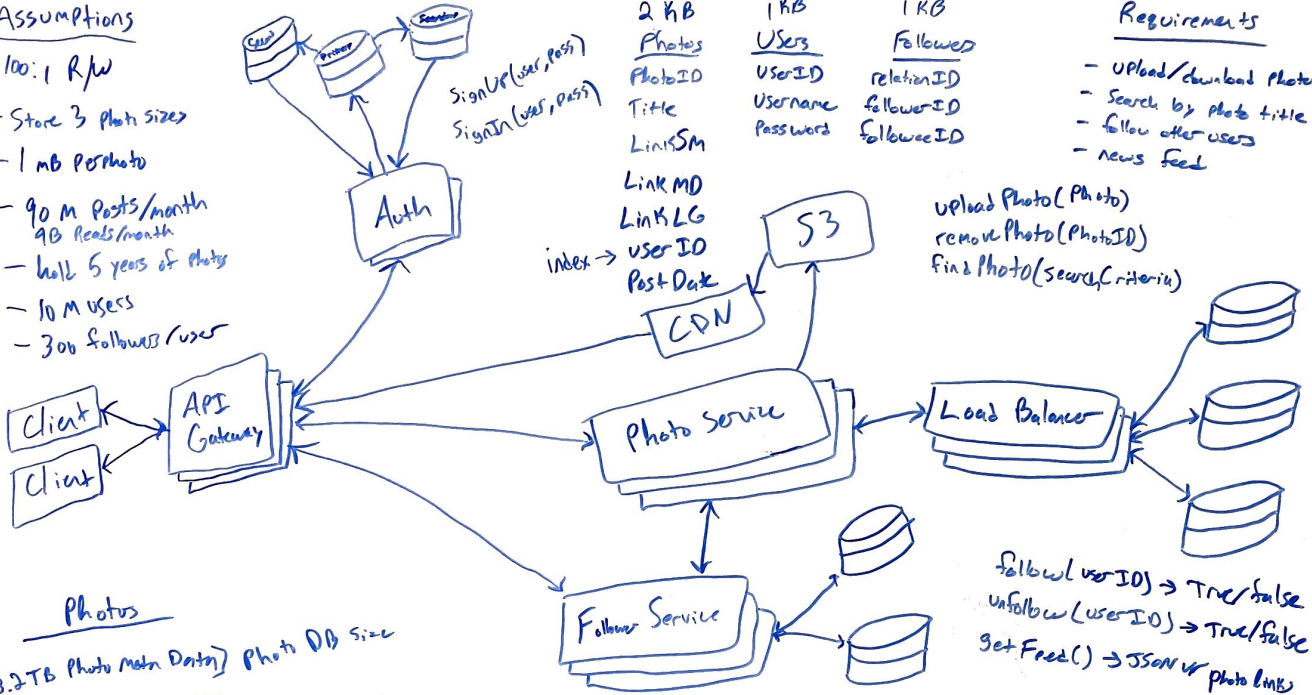


Assumptions

- 100:1 R/W
- Store 3 photo sizes
- 1 MB per photo
- 90 M Posts/month
- 90 Reads/month
- hold 5 years of photos
- 10 M users
- 300 followers/user



Photos

- 3.2 TB Photo meta Data } Photo DB Size
- 3.5 GB/s outbound } Photo Bandwidth
- 35 MB/s inbound }
- 1.6 PB image Storage } Photo Storage
- 1.6 B images }

Auth

- 115 Logins/s
- 10 GB Auth DB Size

Followers

- 115 follower fetches/s
- 3 TB Follower DB size

Cache

- 16 TB memory
- 1% of images