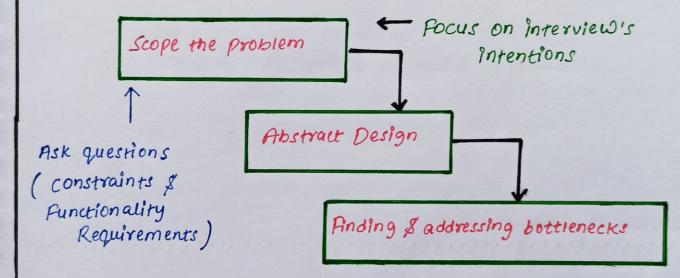
## SYSTEM DESIGN WOTES

## System Design Basics

- 1). Try to break the problem into simpler modules (Top down approach).
- 2). Tark about the trade offs

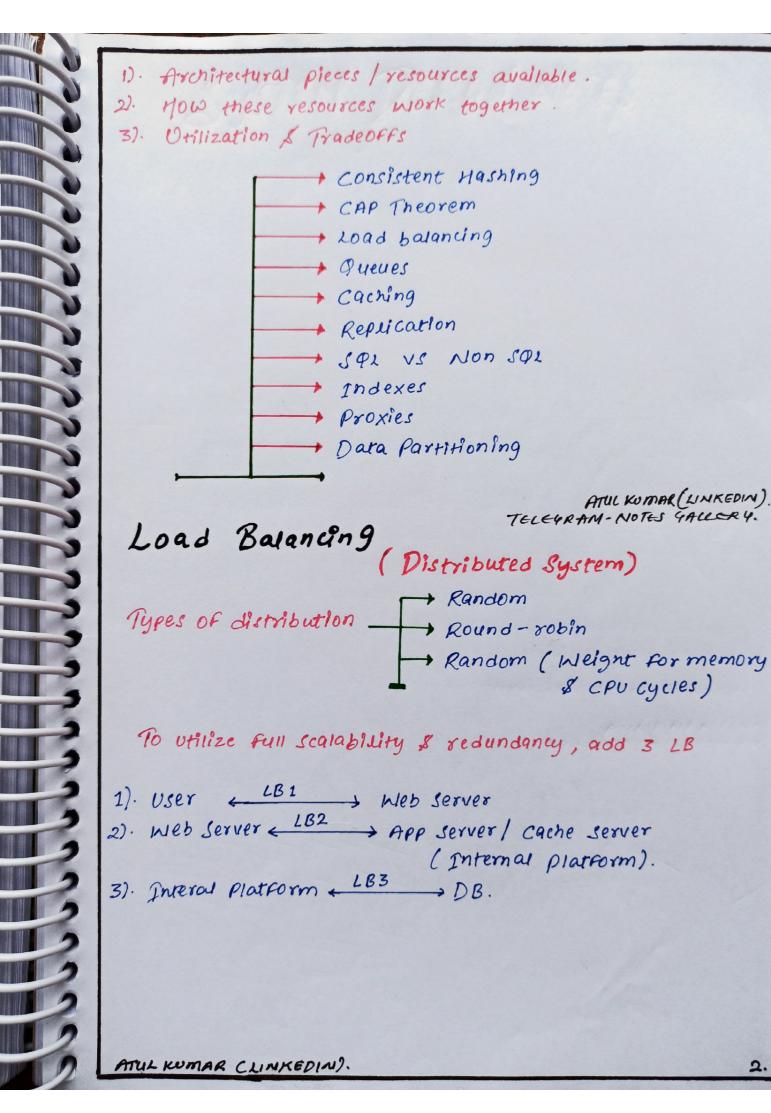
  (NO solution is perfect)

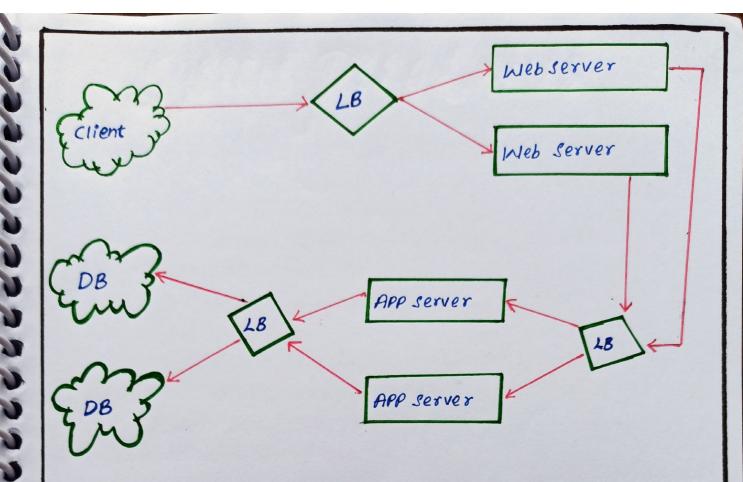
  Calculate the impact on system based on all the constraints and the end test cases.



Rationalize ideas

and inputs





## Smart Clients

Takes a pool of services hosts & balances load.

- -> detects hosts that are not responsive
- recovered hosts
- addition of new hosts

Load balancing functionality to DB (cache, services)

\* Attractive solution for developers.

( Small scale systems)

As system grows -> LBs (standalone Servers)

## Hardwere Load Balancers:

eg. Citoix Netscaler
Not trival to configure.