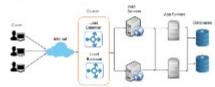
## Systom Design

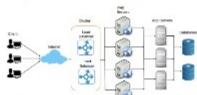
- 3 Principle:-)
- 1) Single responsibility buch component present in 5.1 should have single Job to portoon.
- 2) No single point of failure 17 The system should not have only composions whose failure will result in the failure fantire System.
- 3 No bottebreck principle + give hal will design scalable system should not have performance bottelnock. So ideally are scale tomantally to tandell large amount of processing.



the LB, Coopserver, appearen Database your singe Responsibilly



one weeksour got failed then Still system ceil work



trafix will " be distributed to anoth Battelneck

## 5 Step Guide for System Design

- 1 Requirement Analyzis (functional + Non Functional Requirement)
- Api Design (name of Api + parameter) + return (coich dataty pe)
- 3 Derign Data Model (Define Table and Caleuns) High level Design (Comporant and allow flow, sewers, db, L.B)
- 6 Sale the Design ( to handell large processing)

ptional @ Back-of-tre-envelope Calculation

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4)

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