

- Requirements
  - Functional Requirements - Customer, Scope and Module of System, Features
  - Non-Functional Requirements - Scale, CAP Theorem(C or A), Read or Write Heavy, Latency etc
- Capacity Estimation
- Sequence of Events
- API Design
- Microservices
- Data Flow - Communication, Networking and Network Protocols
- Databases
  - Kind of DB
  - Scaling
  - Sharding
  - Caching
  - CDN
- Failure and Fault Tolerance
- Health Checks
- Logging and Monitoring
- Security
- DSA