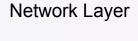
System Design Fundamentals









Cache Layer



Database Layer

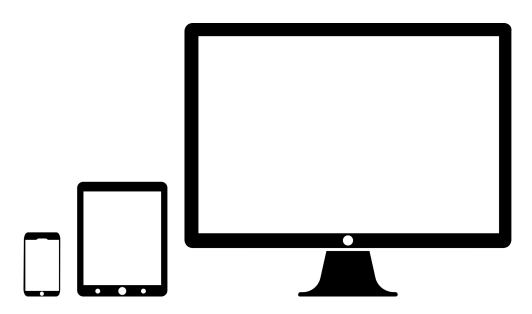








Client Application



- User end cache storage
- Edge computing

Network Layer





- SOAP / REST API's
- Network responses
- Encryption

Application Layer



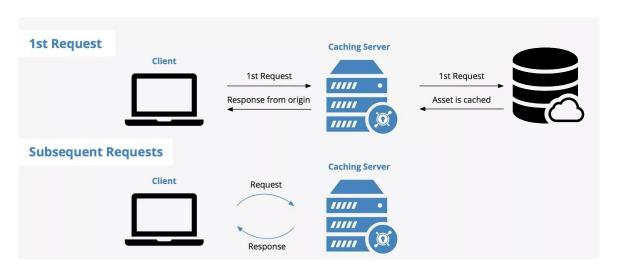
- Load balancers
- Horizontal and vertical scaling
- Rerouting

Data storage layer



- CAP Theorem
- Sharding
- SQL / NOSQL
- Data Normalization
- Server Architecture

Caching layer



- Type of caches
- CDN (Content Delivery Networks)
- Indexing
- Bloom filters
- Tries
- LinkedHashMap