System Design Steps

1. Requirements

**Func requs** (what users can… what users will …)

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**Non-func requs** (决定CAP哪个优先? )

Availability > Consistency 🡺 eventual consistency

Consistency > Availability 🡺 strong consistency

or Partition Tolerance

* Scalability to handle surges (how many DAU, how many <data> process … )
* Latency (~200ms)
* Availability (SLO 几个9?) Consistency? (CAP, Partition Tolerance)

可能还有： fault tolerance,

1. API

Core Entities:

// doing what

POST /…/…

// doing what

GET /…/…