

System Design

① Sql, NoSql
* Graph DB
* AP theorem

② Sharding
* Problems with sharding

③ Design Fb news feed
④
⑤
⋮
⋮
⋮

Musth reading

* live projects (IT industries) -

Parallel processing

- process - Program / Application

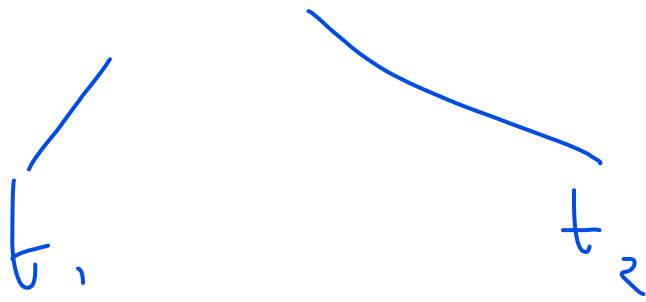
inside

Thread (multiple light
weighted
processes)

Multithreading -

2 or more tasks ————— in
a single program.

Class
↓
Object



Deadlock creation & prevention

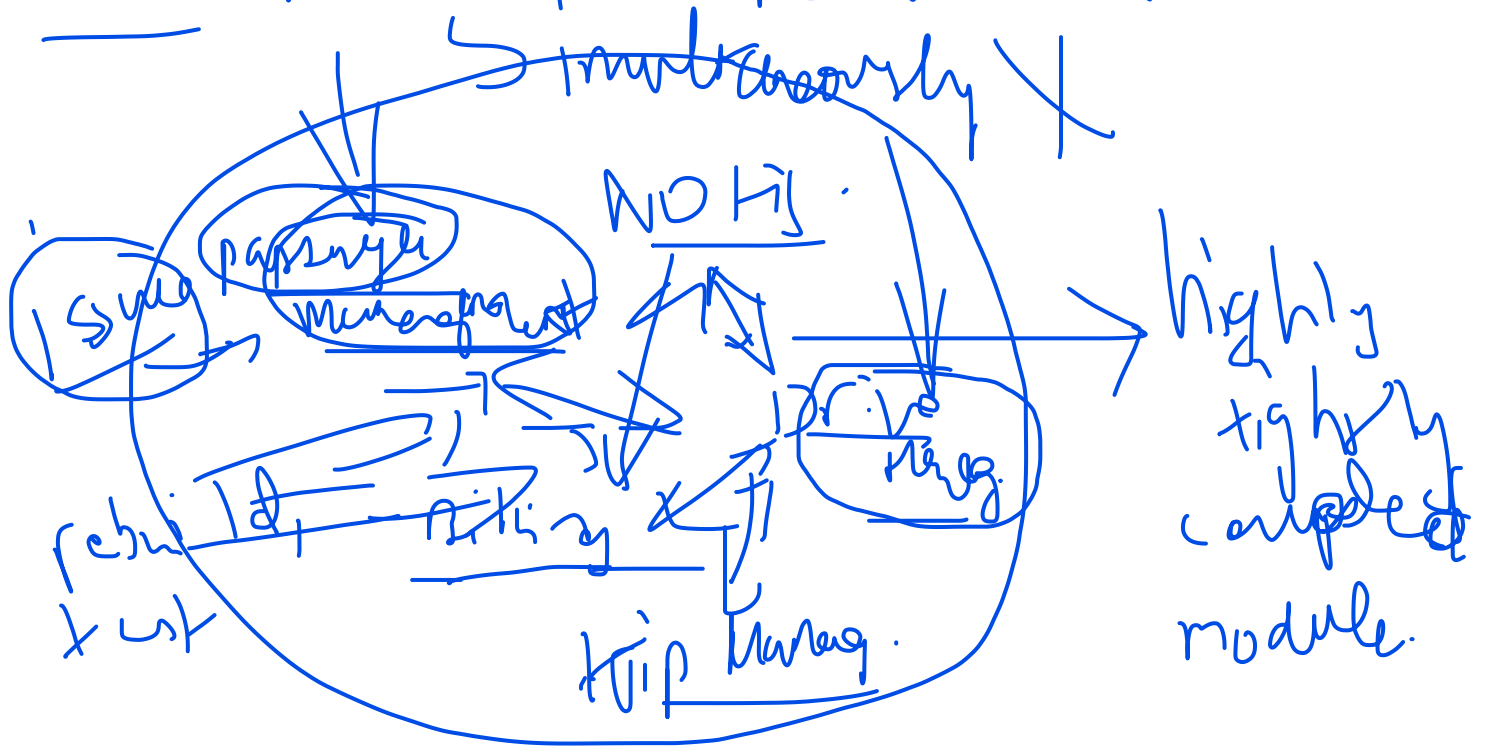


Microservice Architecture

Monolithic system \rightarrow microservice architecture

E.g. LinkedIn, User, google, etc.

Ud - monolithic Architecture



Single codebase

Multiple modules (chaos during development and deployment)

User-Micro Service Architecture

