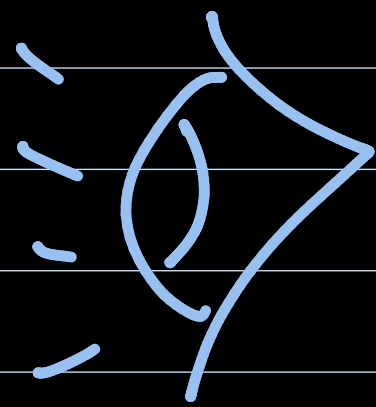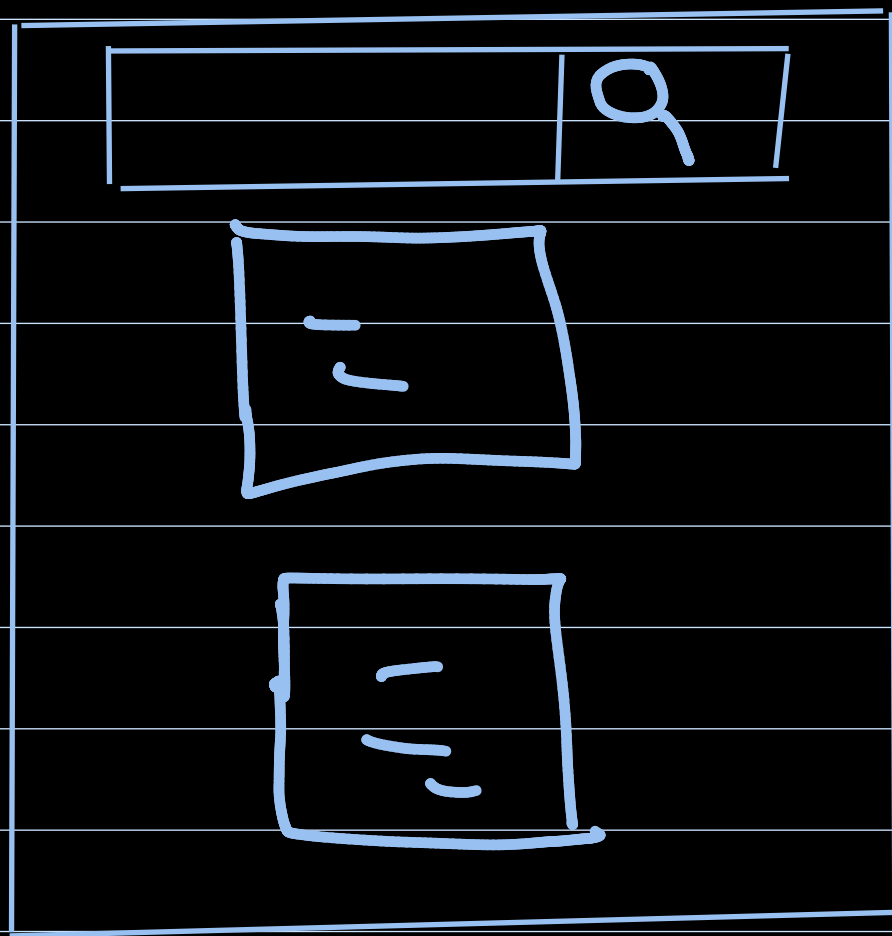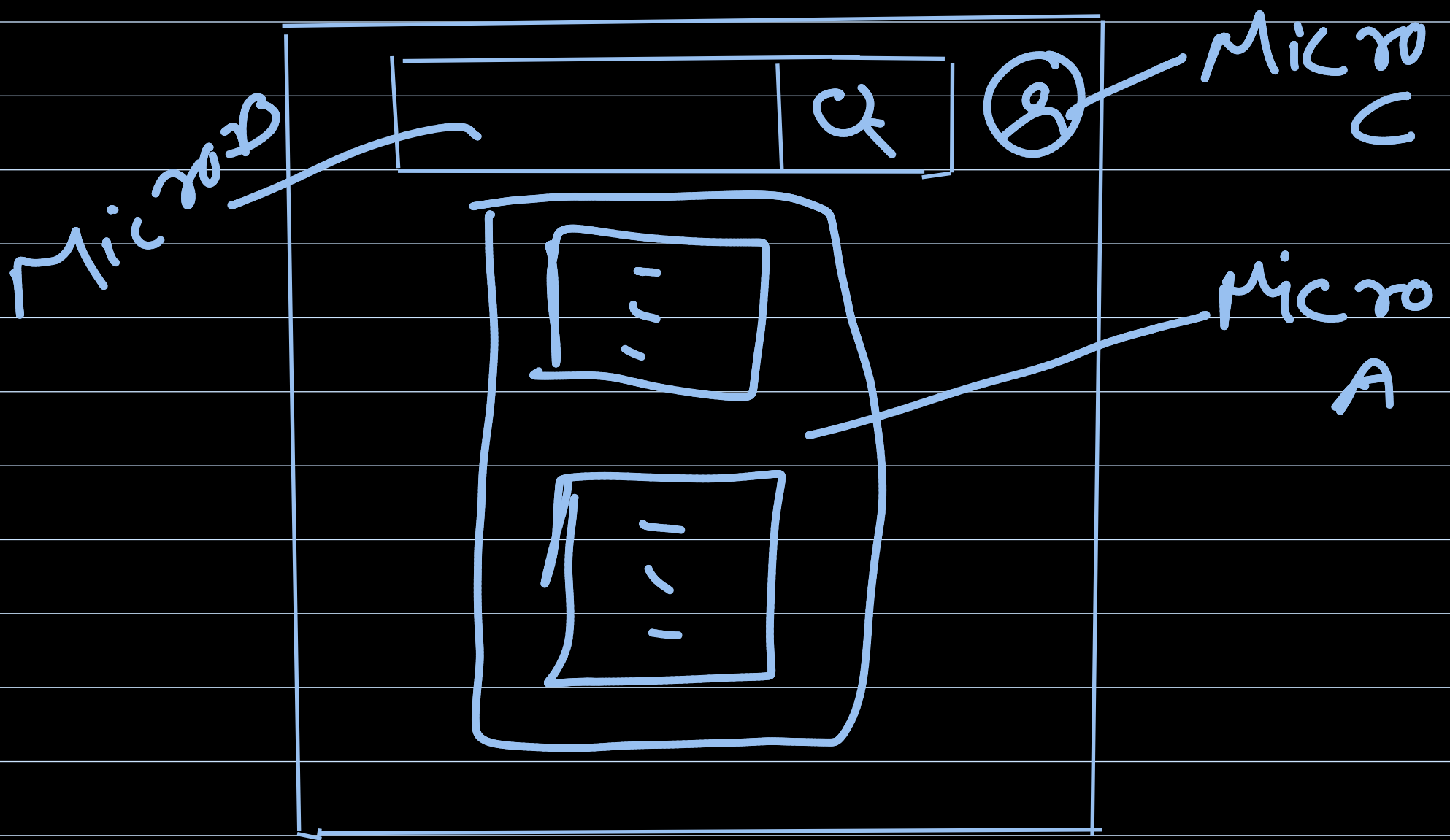# What are Microservices?

Microservices are small, harmonious & autonomous pieces of a large product or system making it work efficiently. Each microservice is responsible for 1 feature in the most efficient manner.
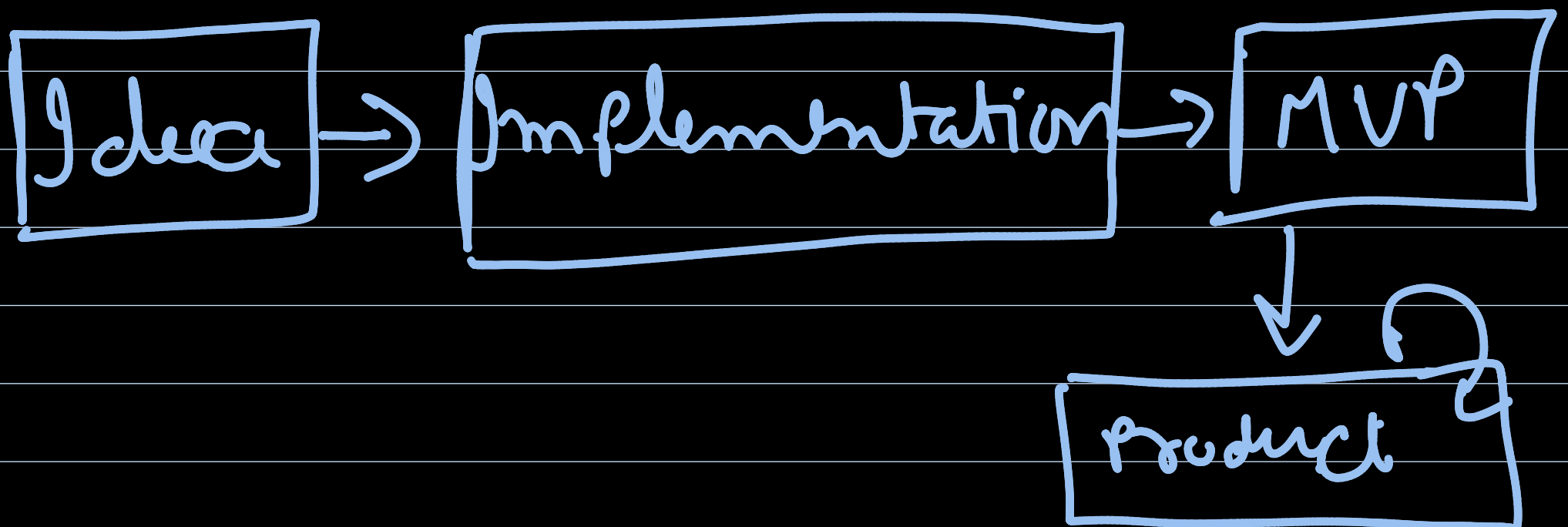
PRODUCT

Why companies use Microservice?

Initially, the journey of every product is like follows

→ When the codebase grows

    -) It becomes diffic to manag,

    → Single point of failure
        increases

→ Feature development becomes
easier & independent (a bit)

-) Features can be Shipped
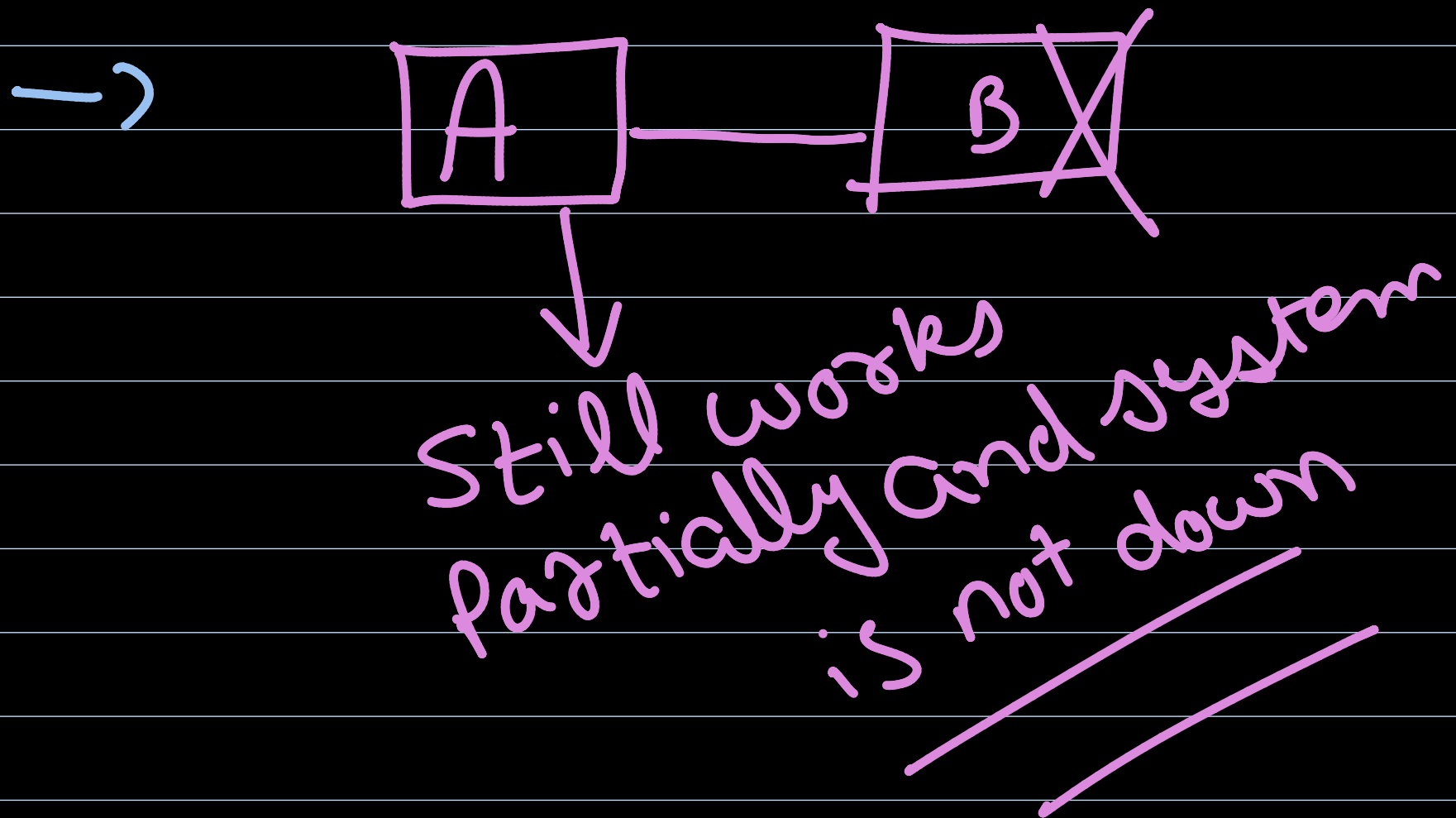fast

_) Use best tech stack for
your problem

A

JAVA
+ DynamoDB

B

Node·JS
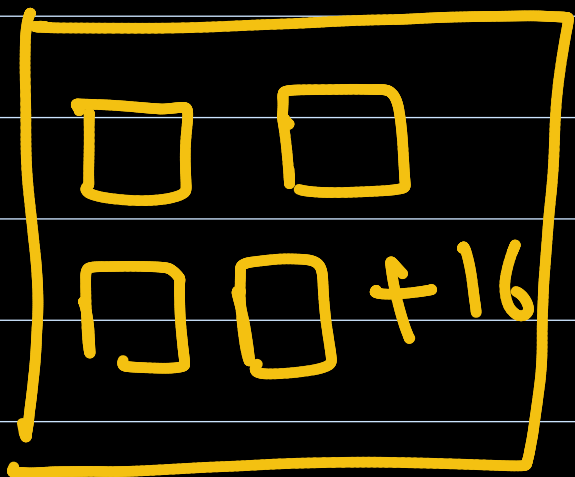+Postgres

-) Services can communicate in their own protocol

->

Still works partially and system is not down

-> Each service can have system consumption according to it.
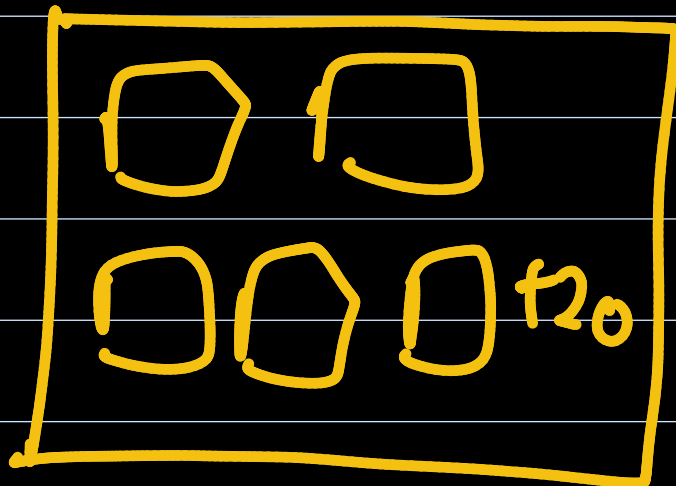
-> Upgrades are simpler

Java -> Go/Rust
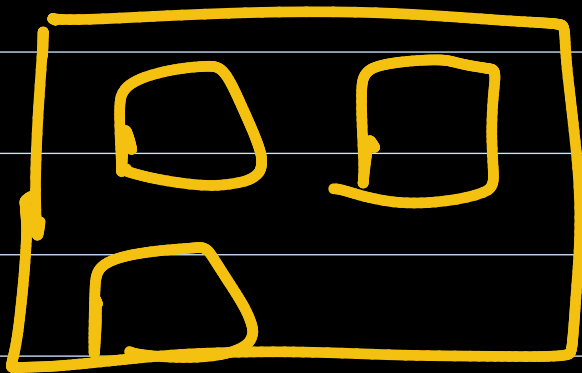
→ Predictability of scaling increases.

Auth +16

Feed +20

Payment

How to [Fence] MS?
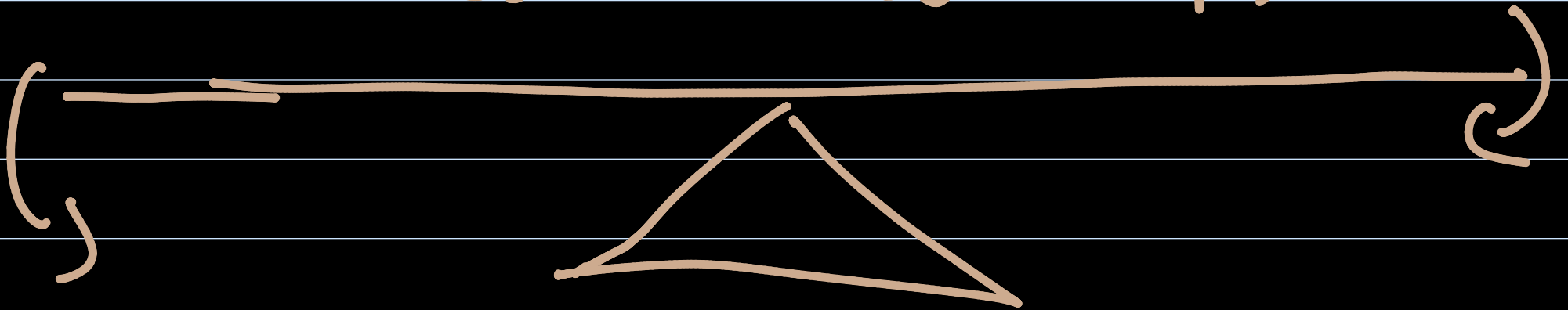
→ It depends on various factors
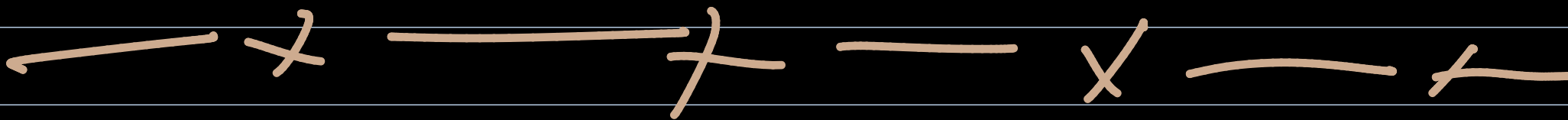   ↳ Features
    ↳ Teams

$\hookrightarrow$ Time

$\hookrightarrow$ Scale etc

Too Big
(becomes
monolithic)

Too Small
(Inter service
comm^n $\uparrow$)

Need to Balance it.