Spring framework
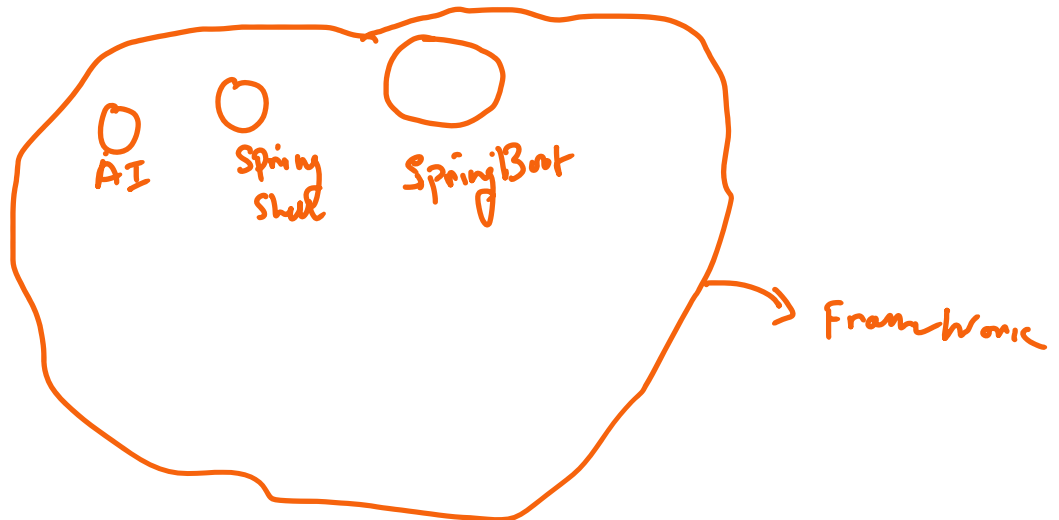

Framework
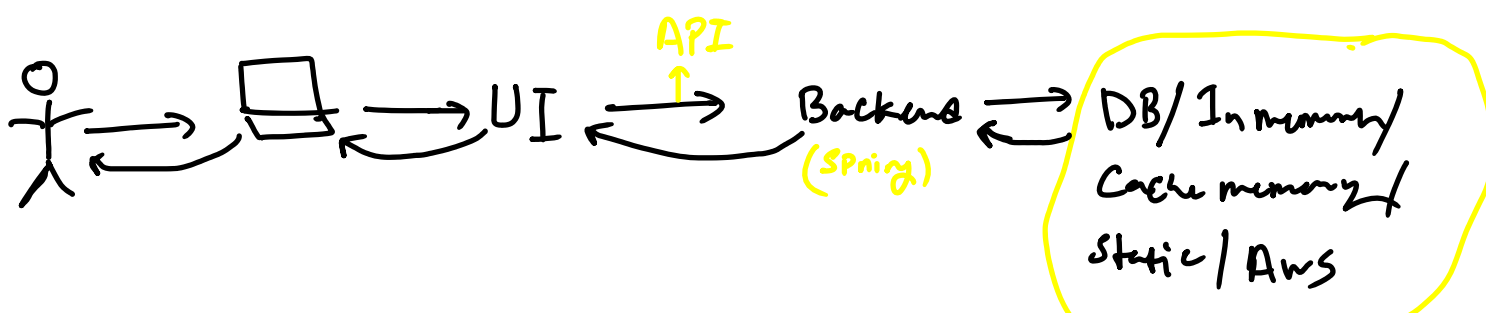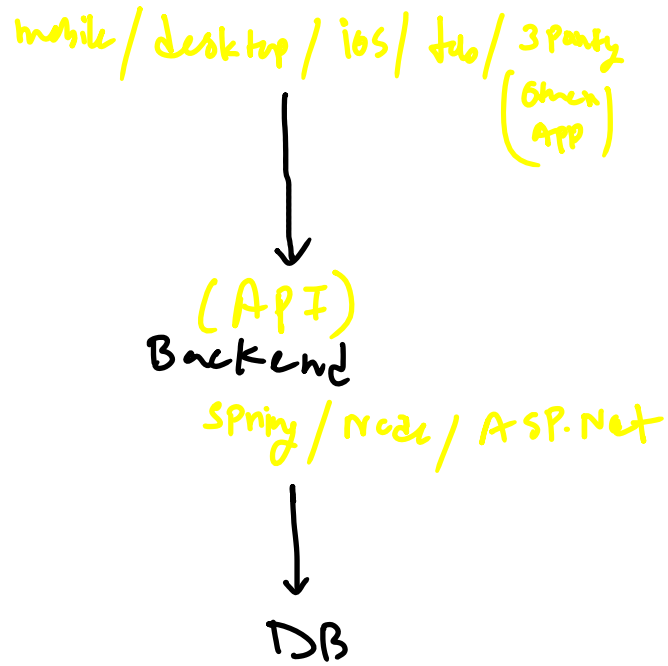
Using Spring Boot we will Autonate config

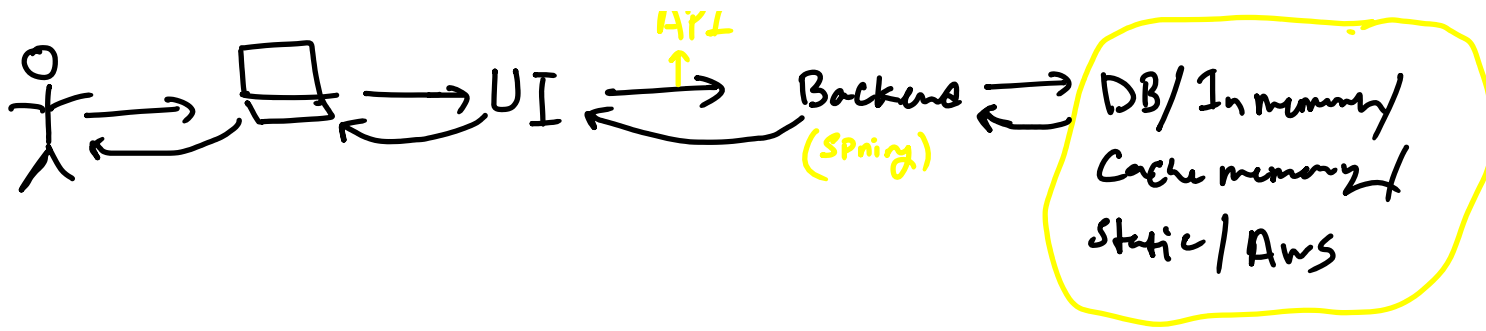core Spring everything is manual.

Spring Boot

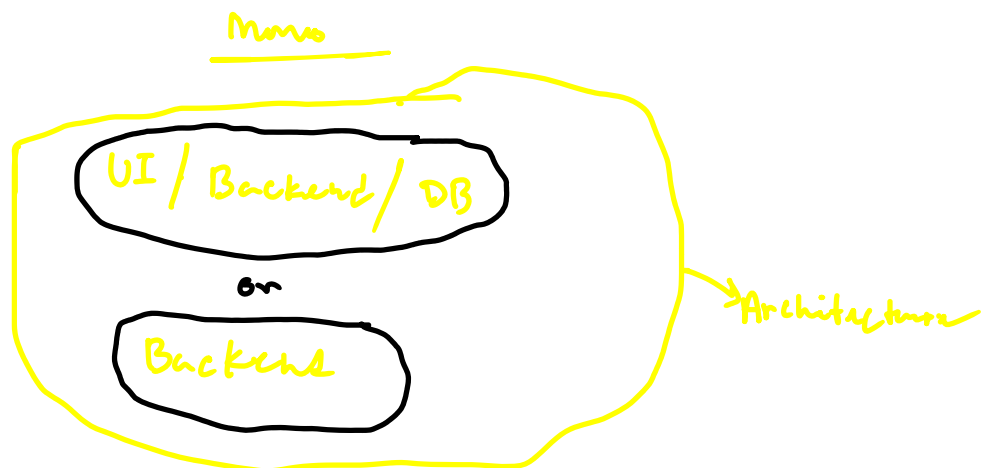endpoint $\Rightarrow$ gate $\Rightarrow$ / name

API $\Rightarrow$ / name

API

Backend
(Spring)

DB/ In memory/
Cache memory/
Static / AWS

Person → 🖥️ → UI ⇄ API → Backend (Spring) ⇄ DB/ In memory/ Cache memory/ Static / Aws

mobile / desktop / ios / tab / 3 party (Other App)
↓
(API)
Backend
Spring / node / ASP.Net
↓
DB

mono / micro
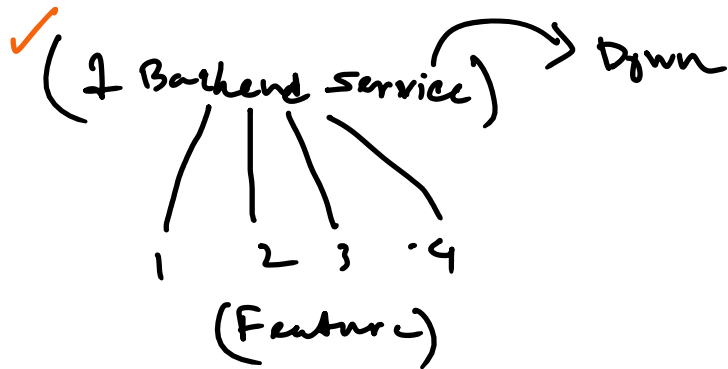
Mono

UI / Backend / DB
or
Backend

→ Architecture

User data
APP

Idea

user data
App

1 day

→ 3/4 (Feature)

1 month

20/30   l₁

✓ (1 Backend service) → Down

          / | | \
         1 2 3 ·4
         (Feature)

micro

Amazon

User ✓
Order ✓
✗ Product
Cart ✓

gateway ← req

team 50 dev

Diagram 1:
- 10 → User ✓
- 20 → Order ✓
- ✗ Product (16)
- 10 → Cart ✓

gateway ← req

Diagram 2:
- User ✓
- Order ✓
- ✗ Product
- Cart ✓

gateway 1 → load Balancer
req (lcr)
in minimum

gateway 2
gateway 3

Register service → Eureka

Config Server

Client
res ↑ ↓ req

gateway → register All API (APP name)
→ APP Name endpoints

Config Server
Private
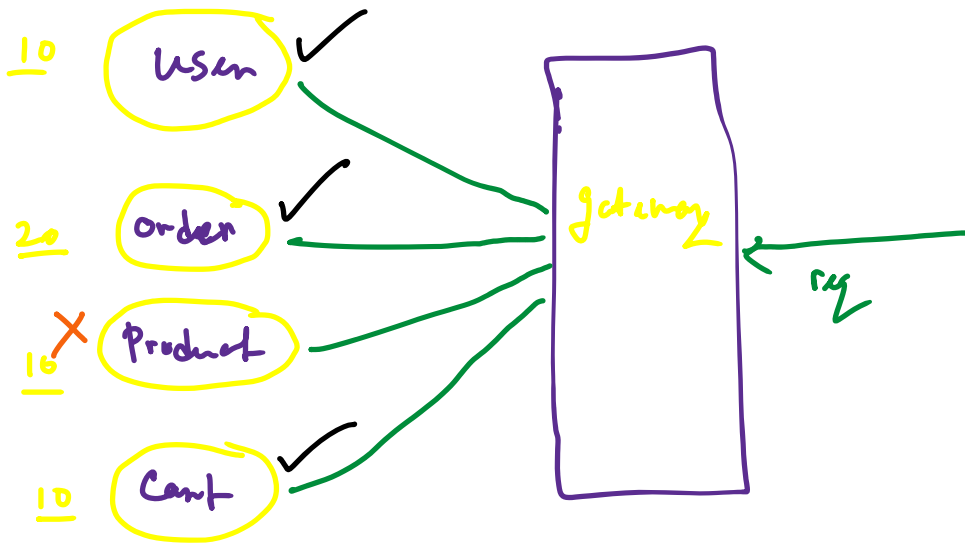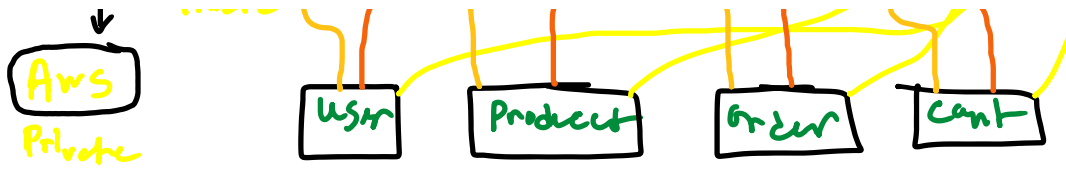
Eureka

Aws

HLD

Aws
Private

User   Product   Order   Cart

Env

/dev ⟶ Config
  ↓
/QA ⟶ Config
  ↓
/Pre Prod ⟶ Config
  ↓
/Prod ⟶ Config