Spring framework

Spring framework (diagram of a blob shape containing:)
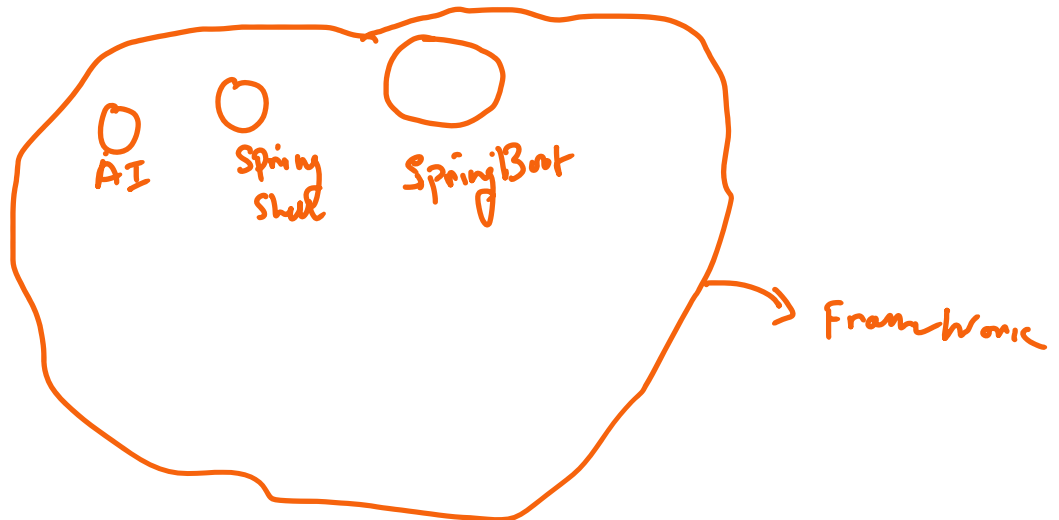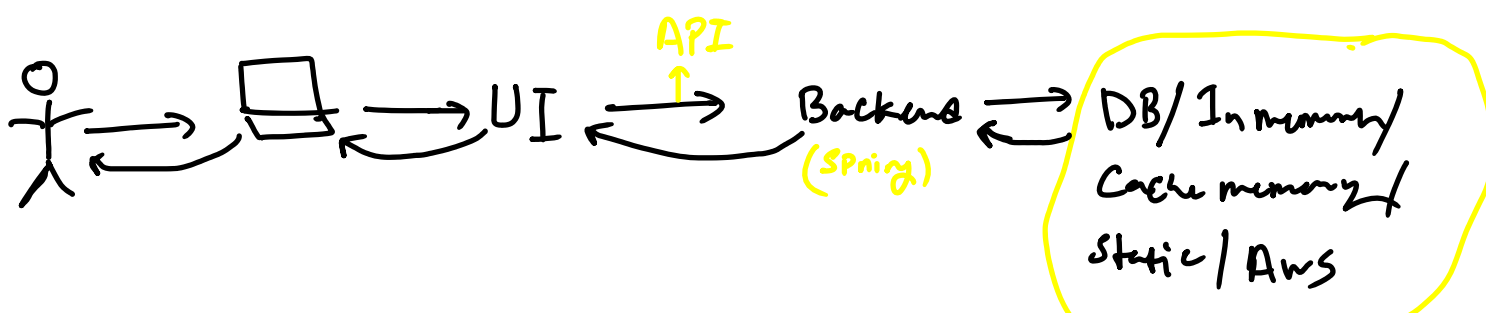
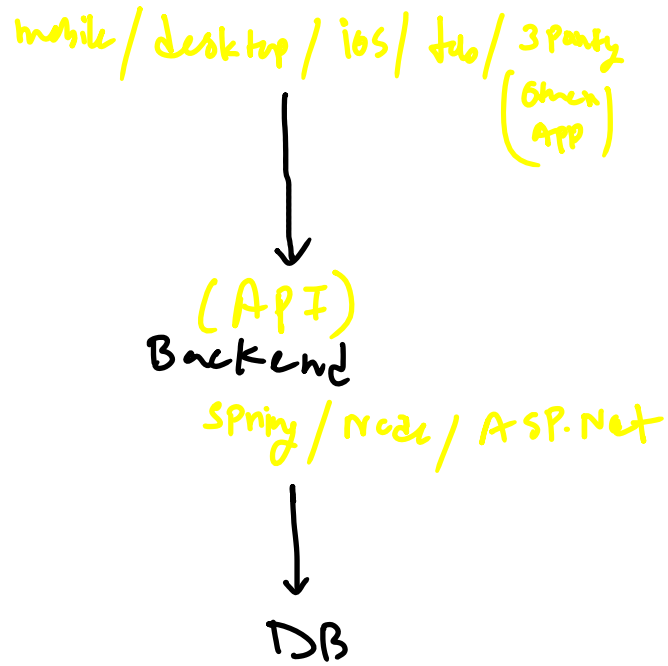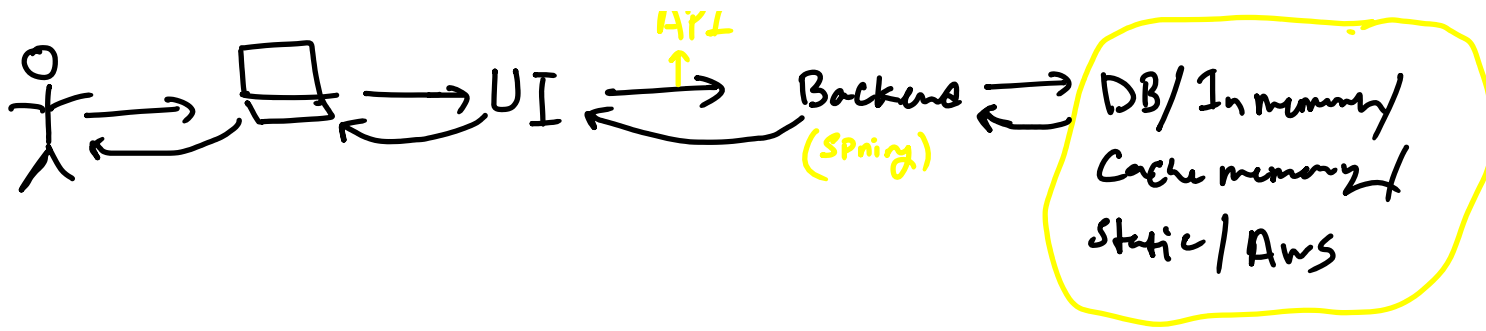AI   Spring Shell   SpringBoot

→ Framework

Using Spring Boot we will Automate Config
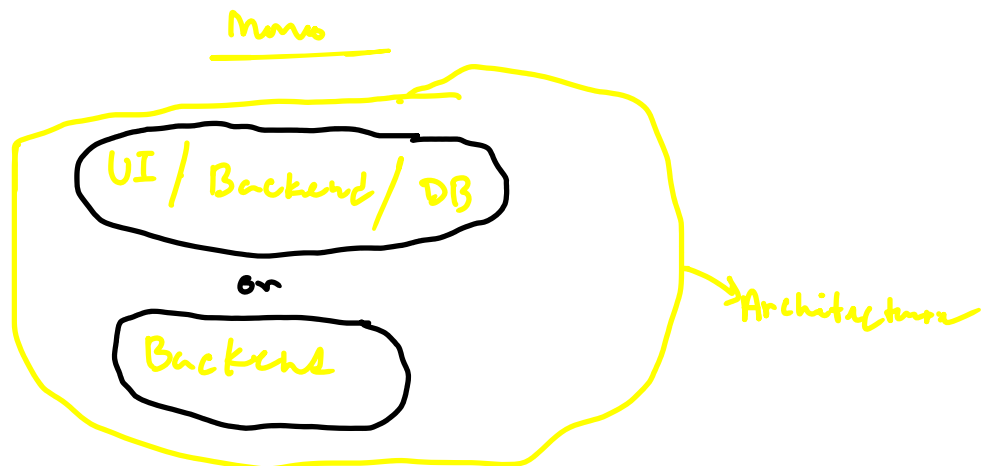
core Spring everything is manual.

Spring Boot

endpoint ⇒ gate ⇒ / name

API ⇒ / name

API

(diagram) Person → Laptop → UI ⇄ Backend (Spring) ⇄ DB/ In memory/ Cache memory/ Static / Aws

API

User → Laptop → UI ⇄ Backend (Spring) ⇄ DB / In memory / Cache memory / Static / Aws

mobile / desktop / ios / telo / 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   4

✓ (1 Backend Service) ⟶ Down

        1   2   3   ·4

        (Feature)

micro

Amazon

User ✓
Order ✓
✗ Product
Cart ✓

gateway ⟵ req

team 50 dev

10 User ✓

20 Order ✓

✗ Product
16

10 Cart ✓

gateway

req

User ✓

Order ✓

✗ Product

Cart ✓

gateway → load Balancer
1

req (lcr)
in minimum

gateway
2

3 gateway

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
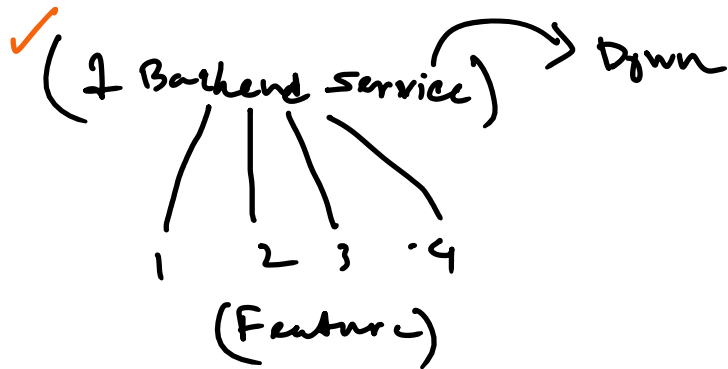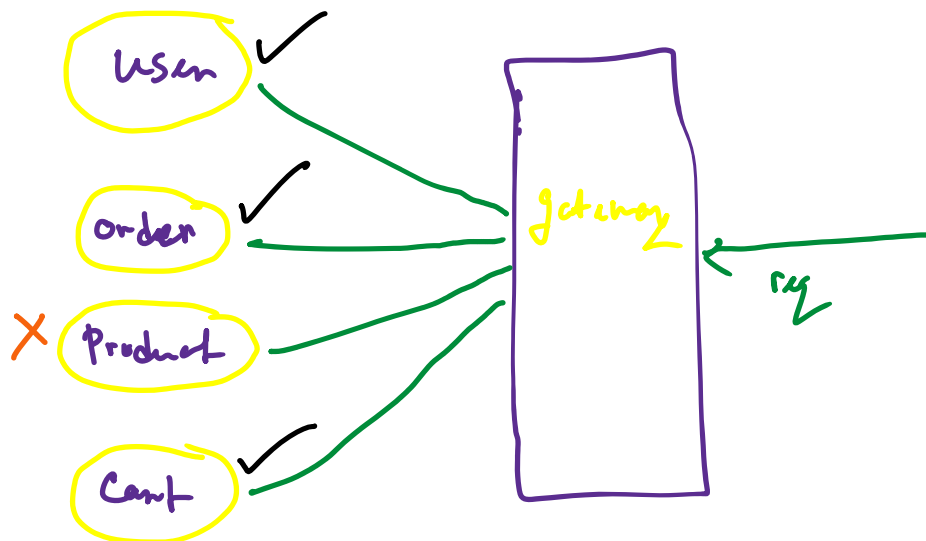
Env

/dev ———→ Config
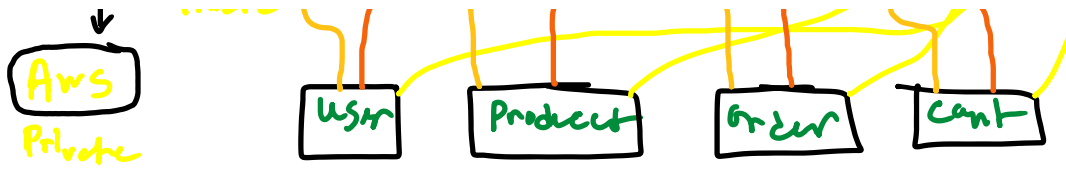 ↓
/QA ———→ Config
  ↓
/pre prod ———→ Config
  ↓
/prod ———→ Config