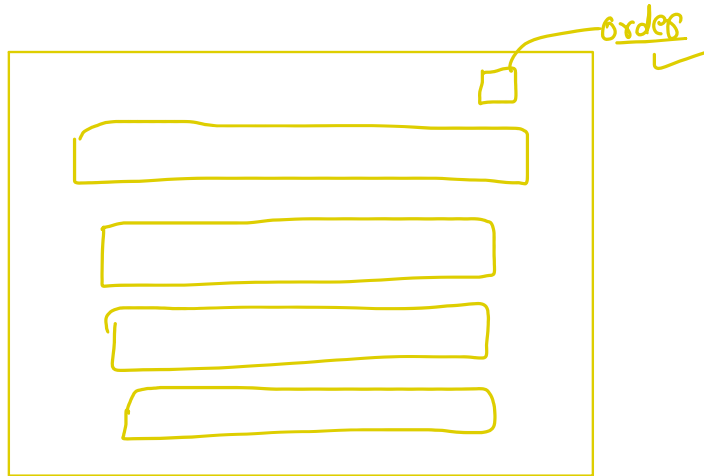


Microservices

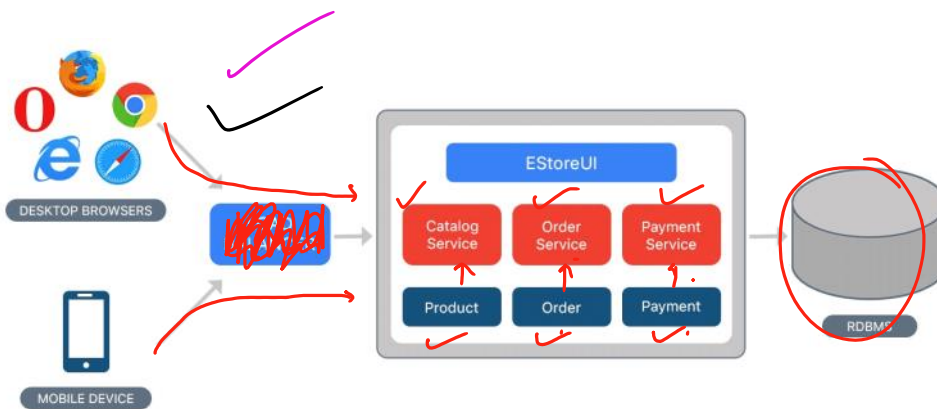
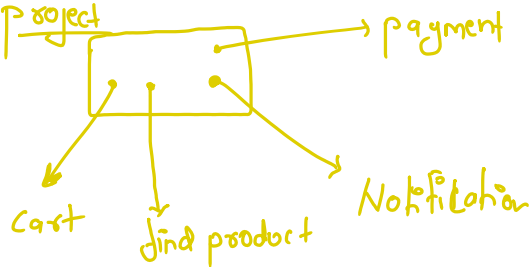
29 March 2025 09:03

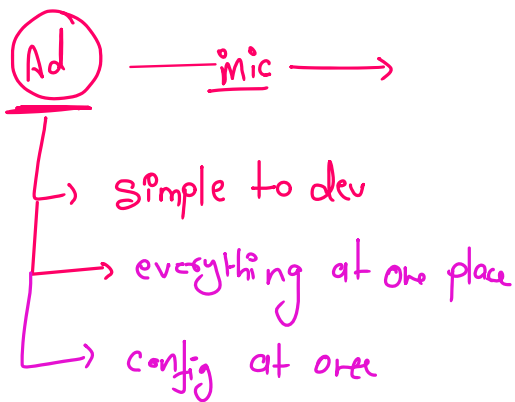
What is Monolithic Architecture ?

BookMyShow →



Backend : project



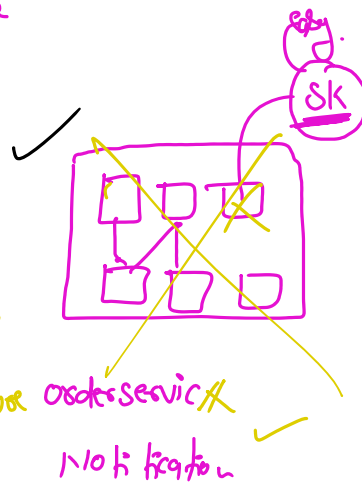


Dis → Diff to maintain

→ Dep many all for

→ Single point of failure ~~order service~~

→



→ deployment heavy.



To overcome the problem of monolithic, microservices architecture come in picture

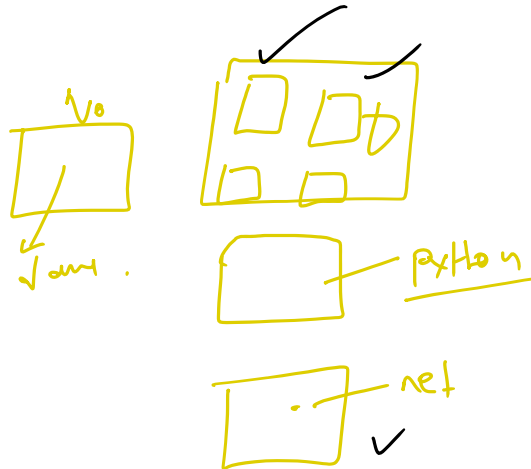
1. Microservices is not prog lang
2. Microservices is not a framework
3. Microservices is not api spec
4. Microservices is architecture which suggest to develop app functionality with

loosely coupling

5. In Microservices architecture we don't develop all the functionality in single project. Will divide project func into several rest API.s (small projects) these small project or API's are called Microservices

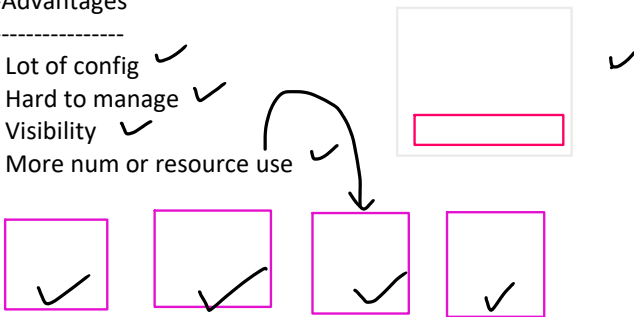
✓ Advantages

1. Loosely coupled
2. Easy to maintain
3. Faster deployment
4. Quick development
5. Fast release
6. Less down time
7. Technology independent

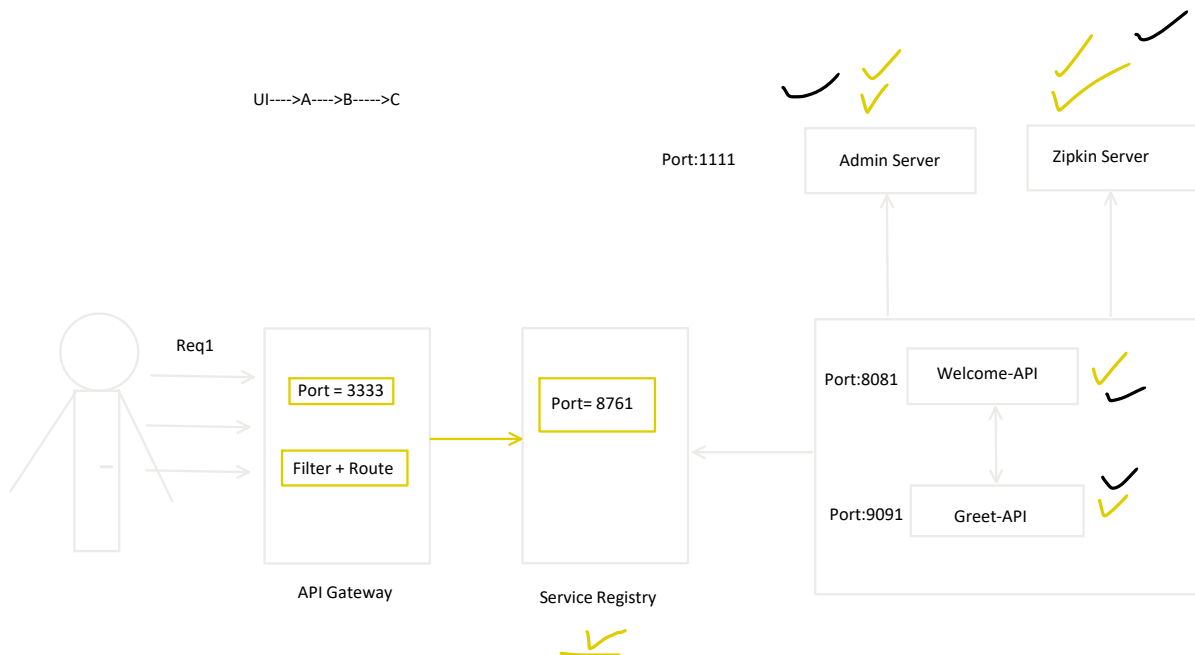


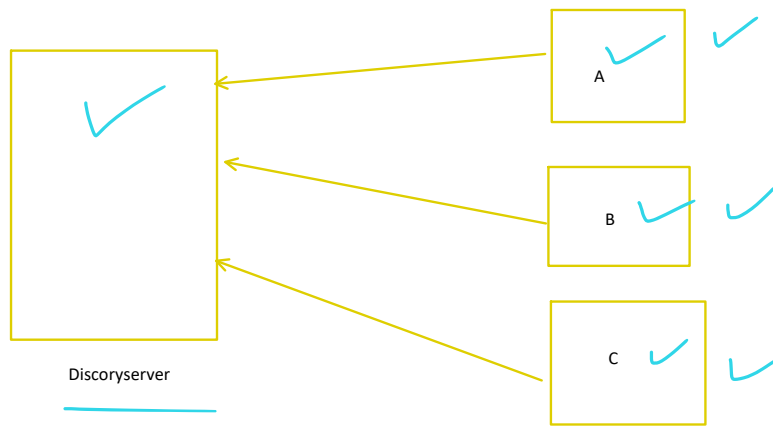
Dis-Advantages

1. Lot of config ✓
2. Hard to manage ✓
3. Visibility ✓
4. More num or resource use ✓



Note: Microservices ka koe bhi fix architecture nhi hota

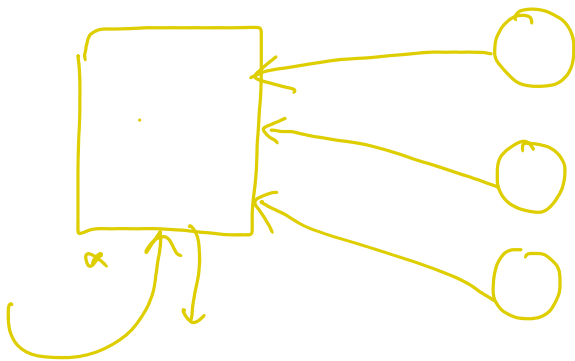
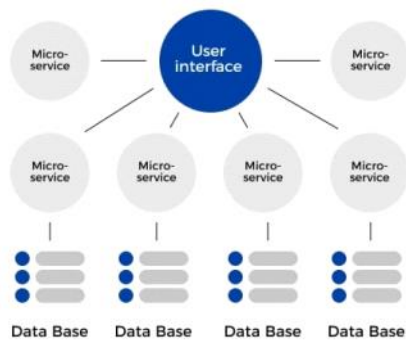




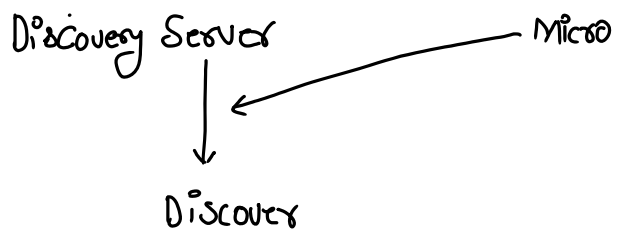
MONOLITHIC ARCHITECTURE



MICROSERVICE ARCHITECTURE



Ip ----> log ----ui----sleuth-zipkin



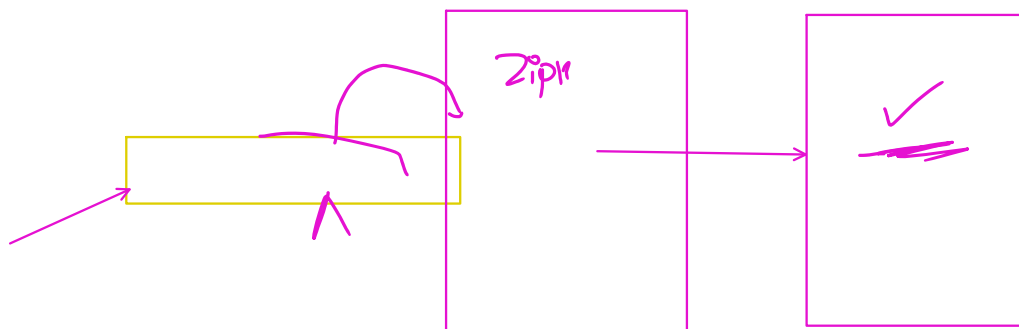
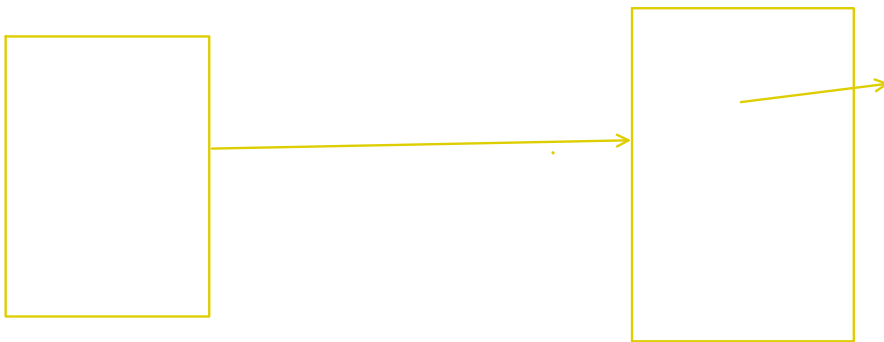
- 1) SD
- 2) Microservice
- 3) Admin Server.

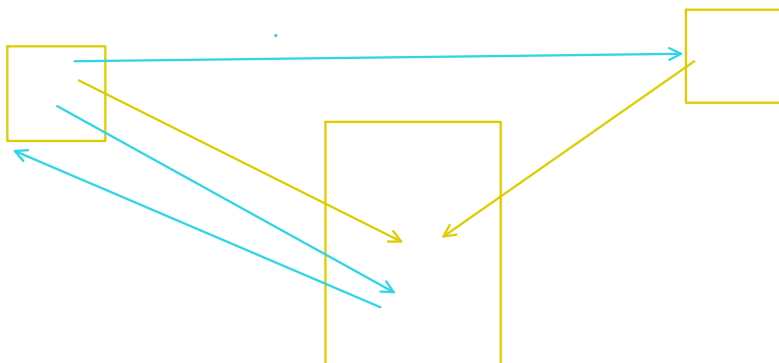
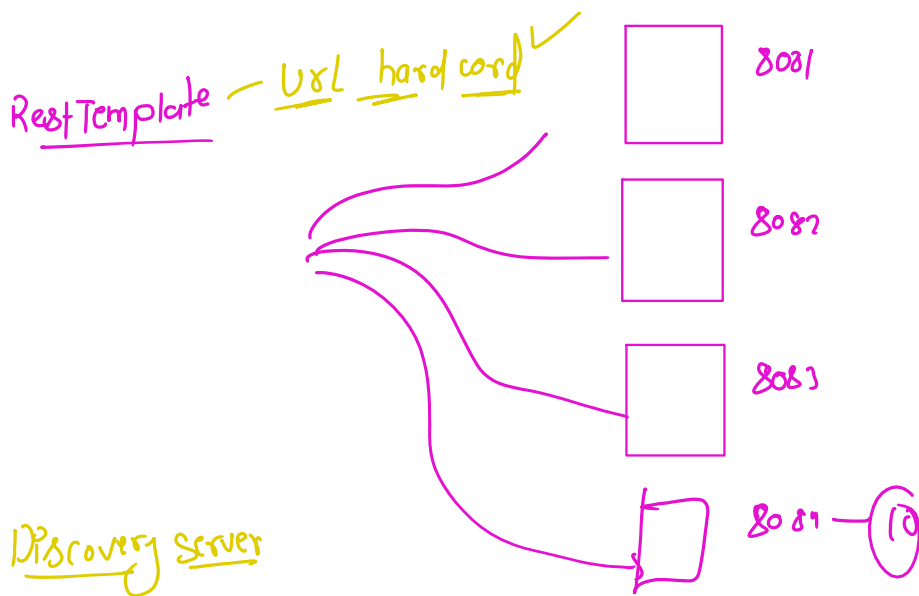
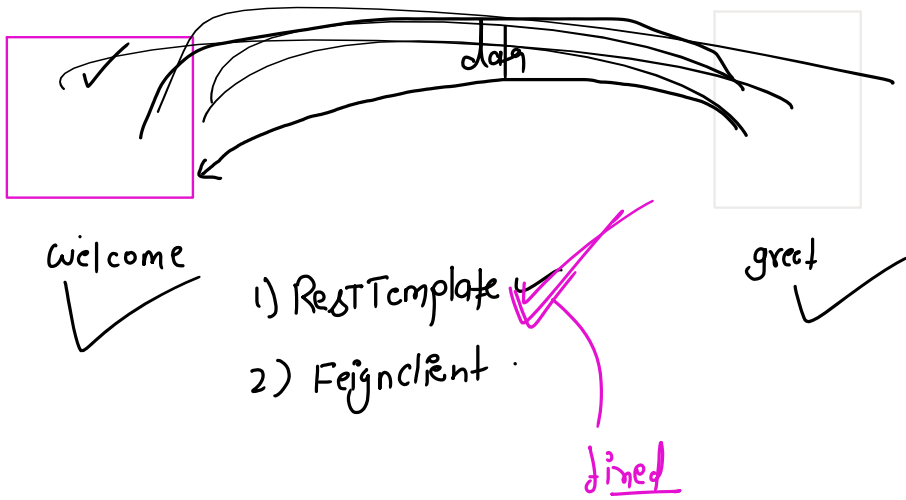
✓ loginf(" — ")
~~Sap~~

* DS * Micro

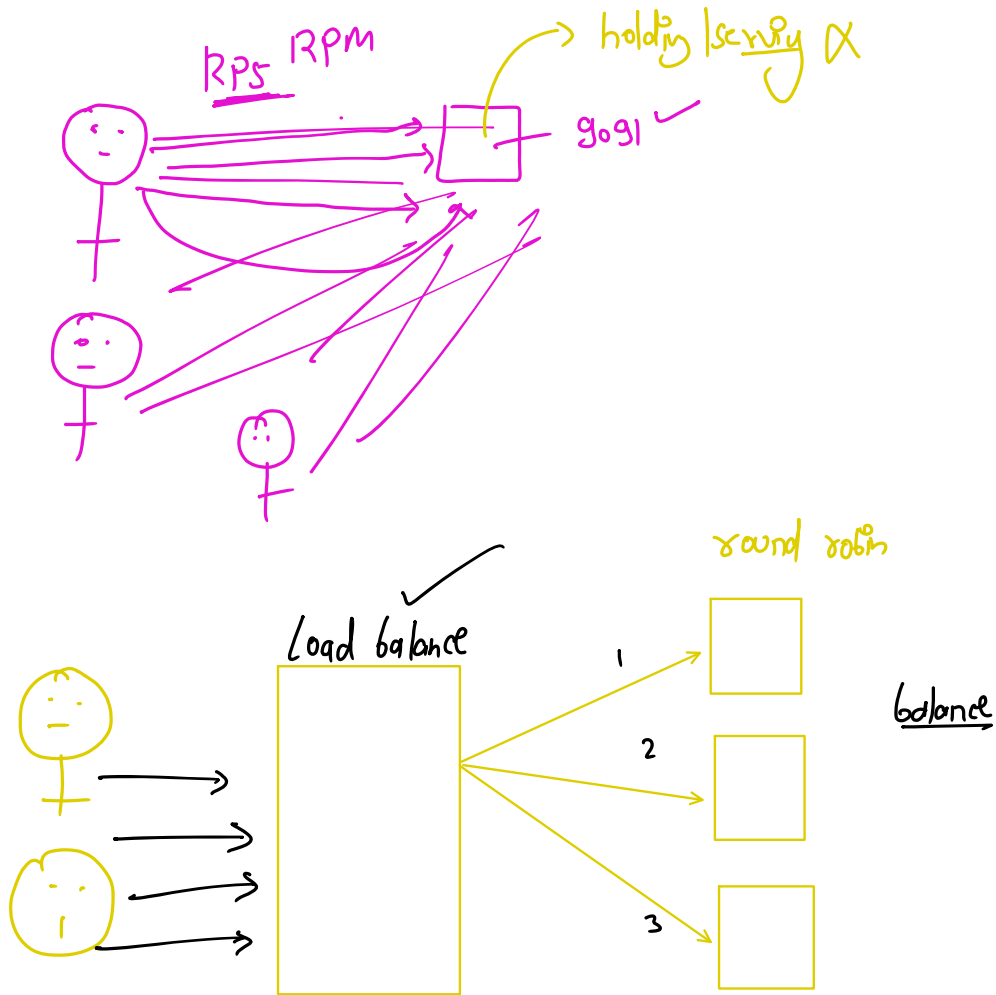
4-6

* Admin
Server





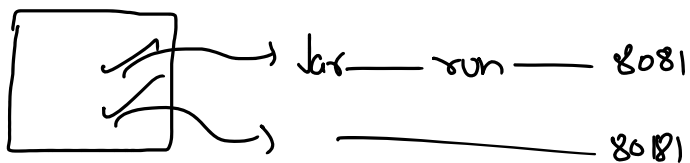
Load Balancer



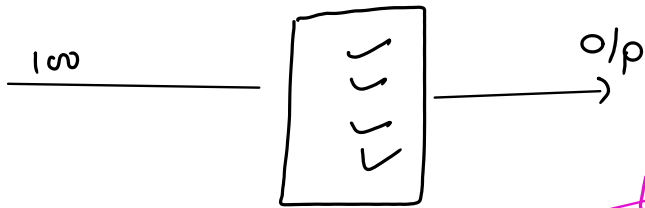
✓ greet → port: 8080 → ✓

✓ greet → port: 8081 → ✓

✓ greet → port: 8082 → ✓

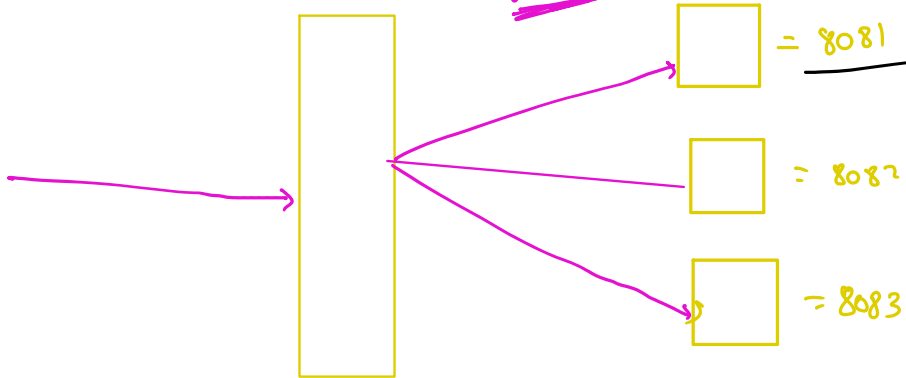


100RPM



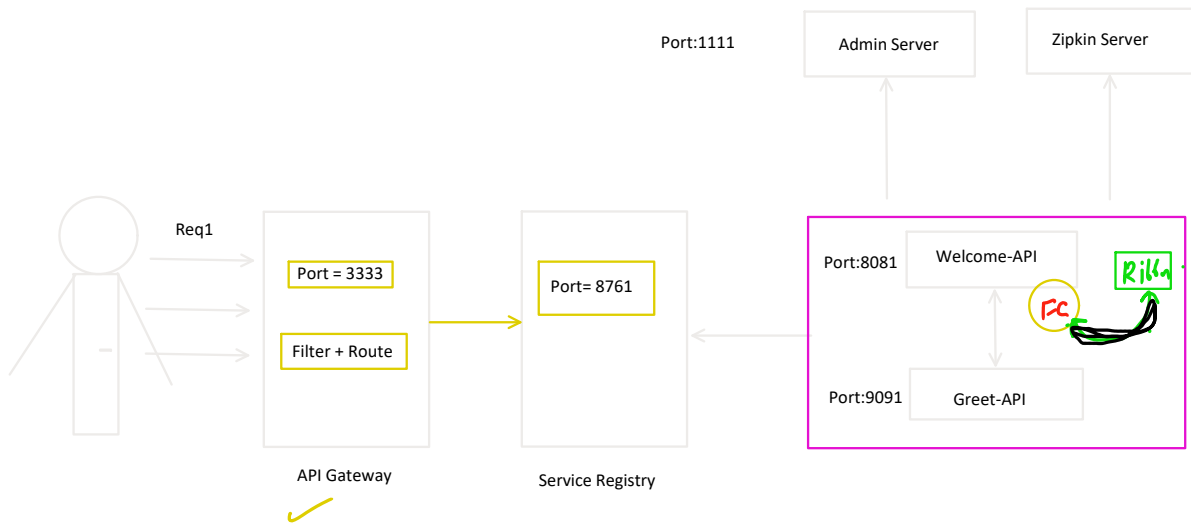
load balancer

round robin

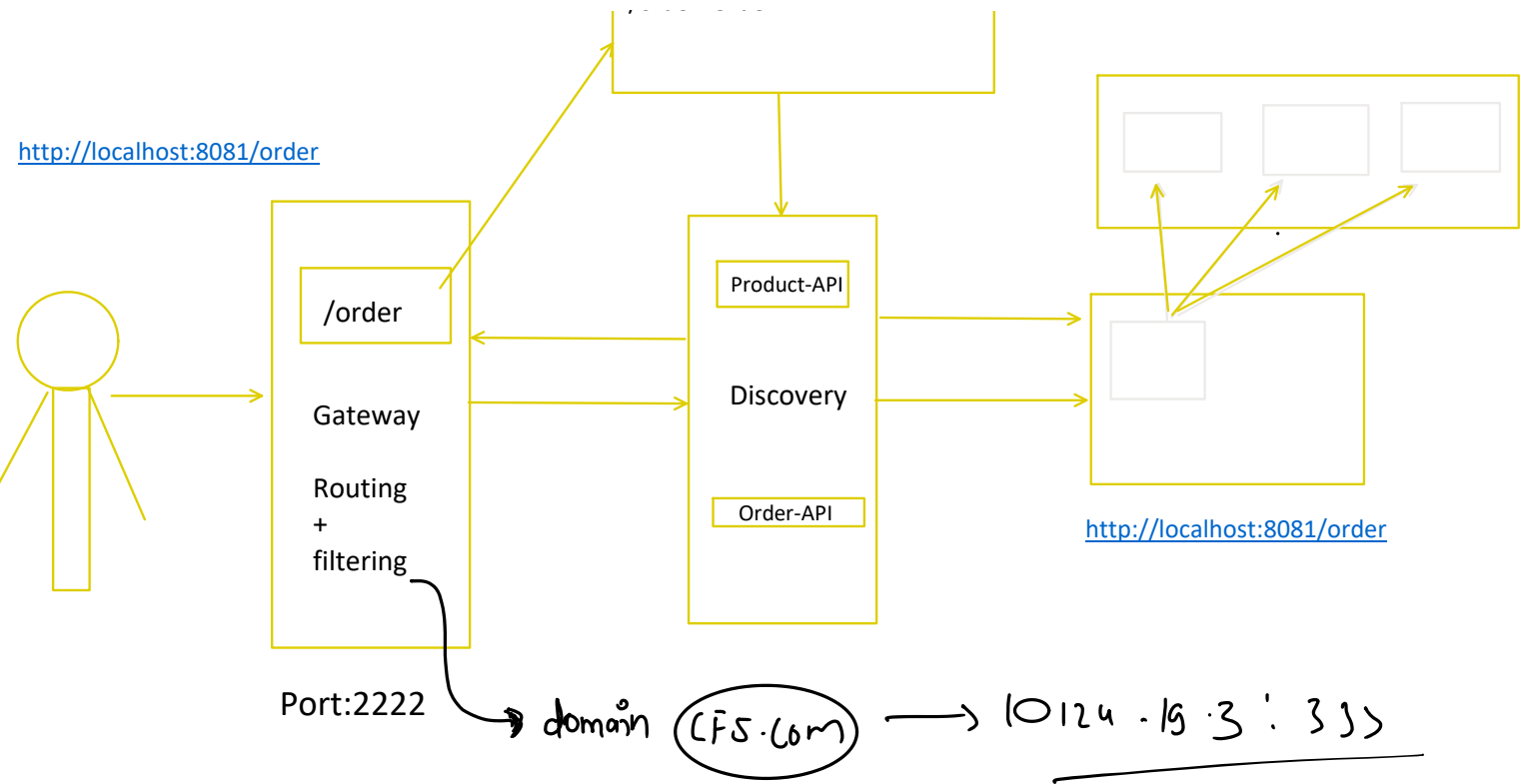


Ribbon

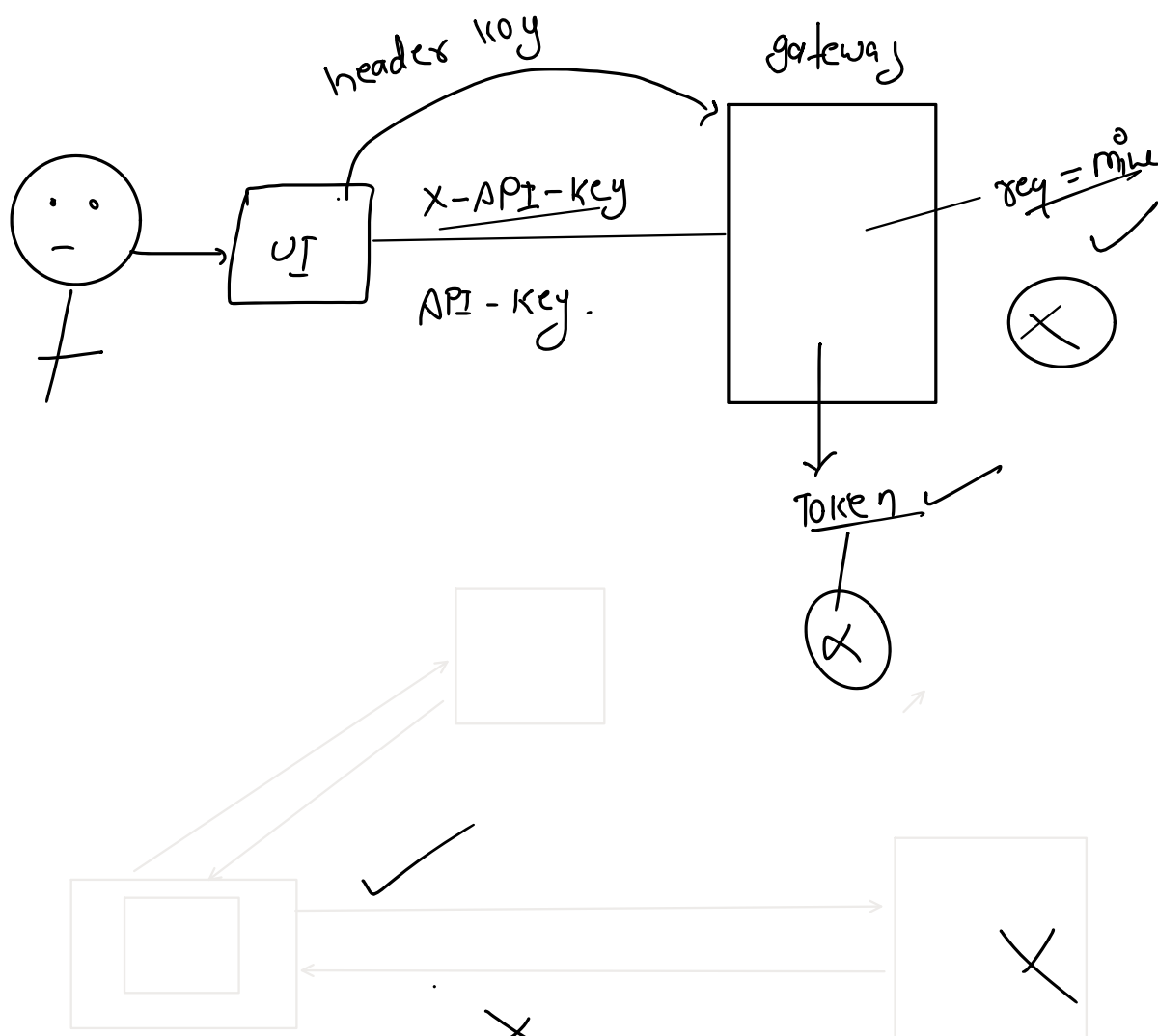
UI---->A---->B---->C

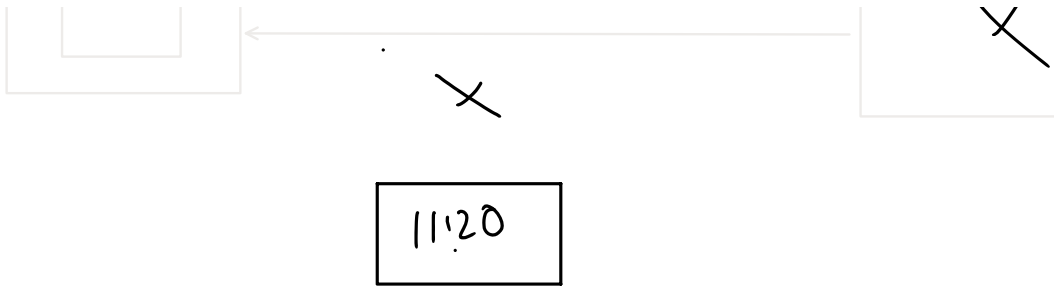


✓ 9091 ✓



Localhost=127.0.0.1





Spring Cloud Config

