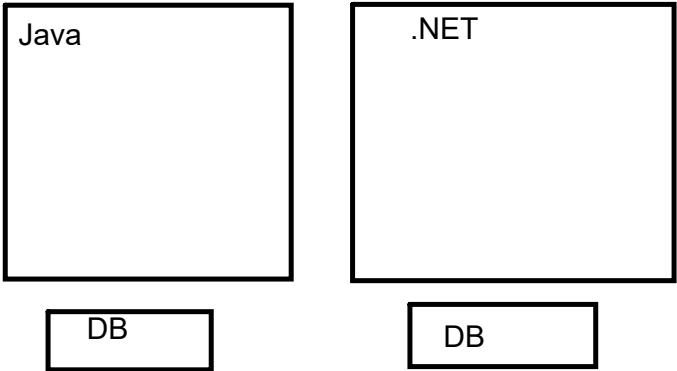
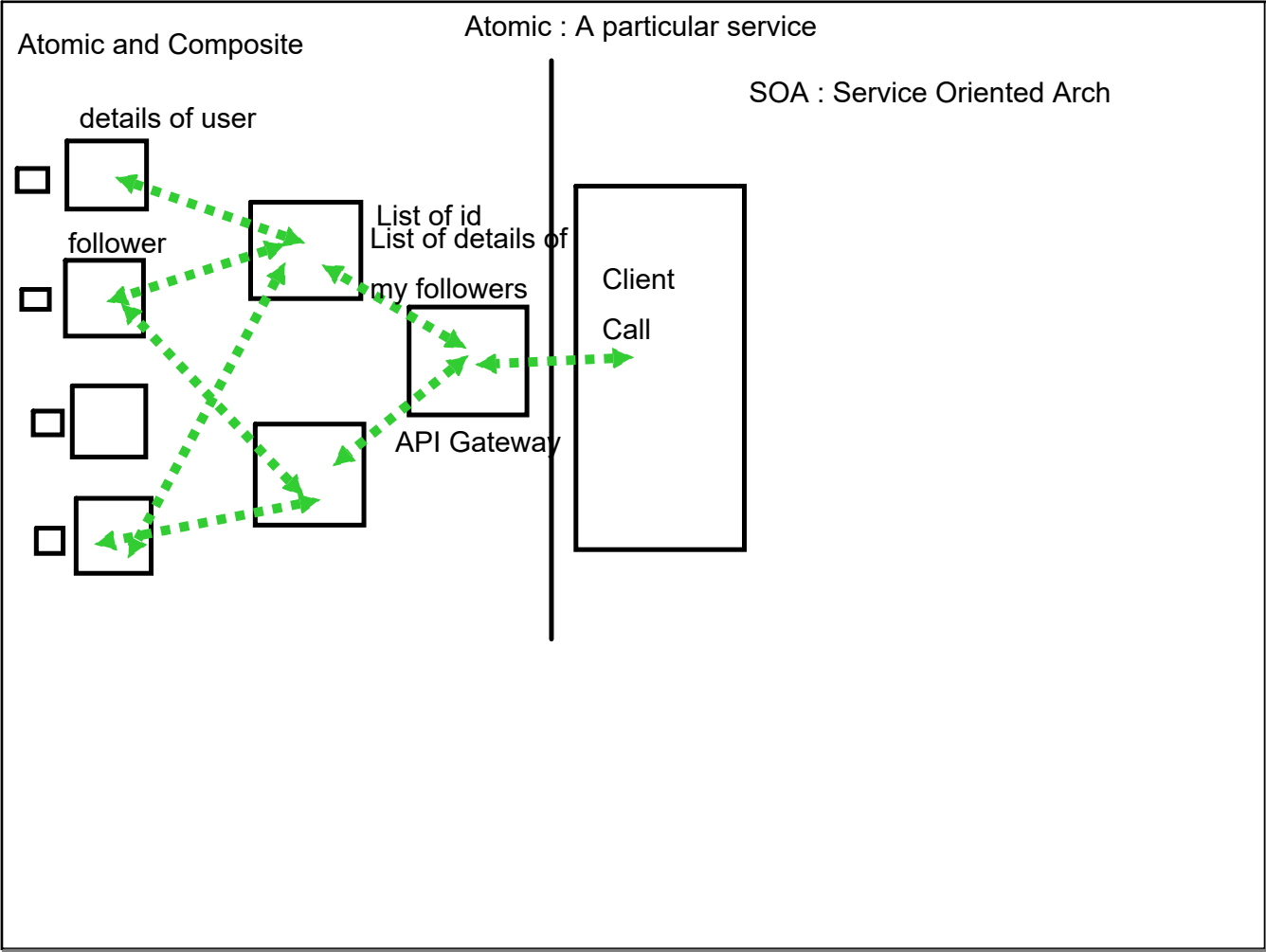


Micorservices

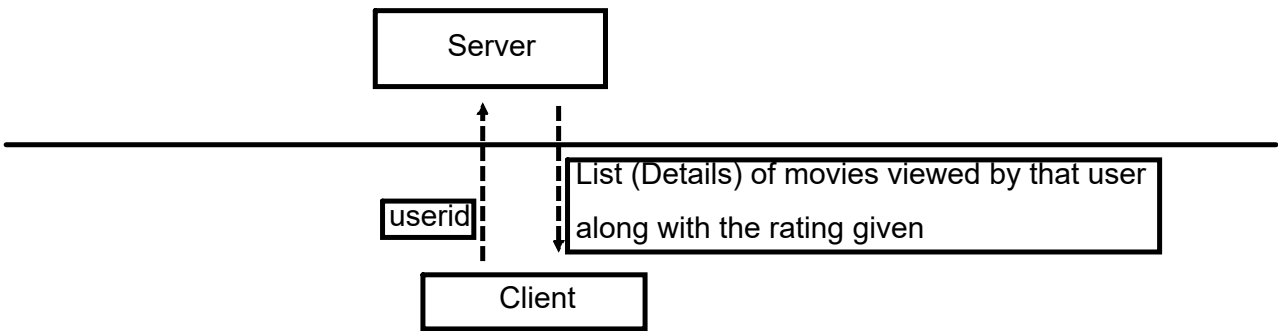
- Microservice
- # Modularity
- # Use technology
- # Single MS drop
- # Dynamic Scale up/Scale Down

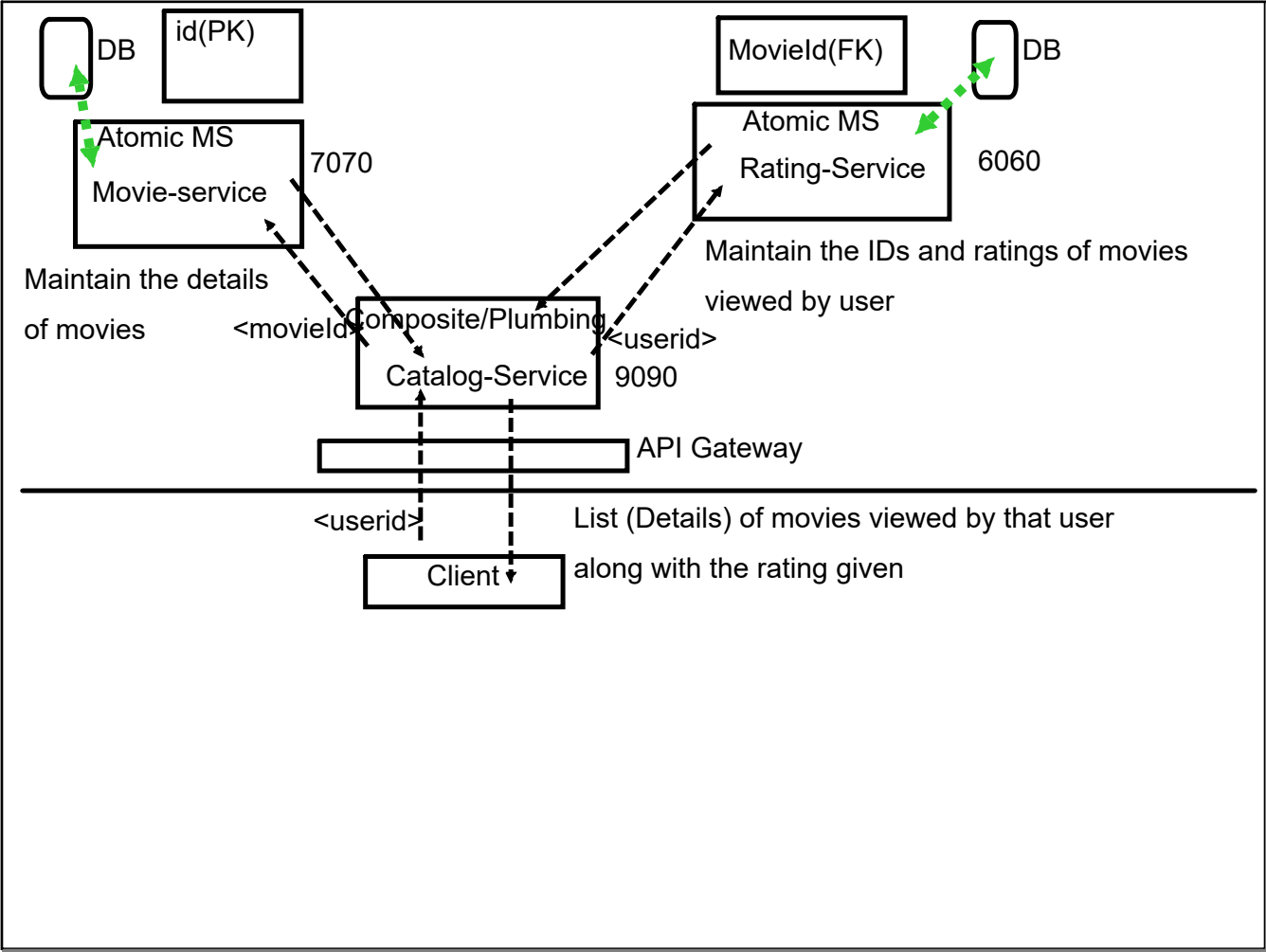
Independent/Autonomous

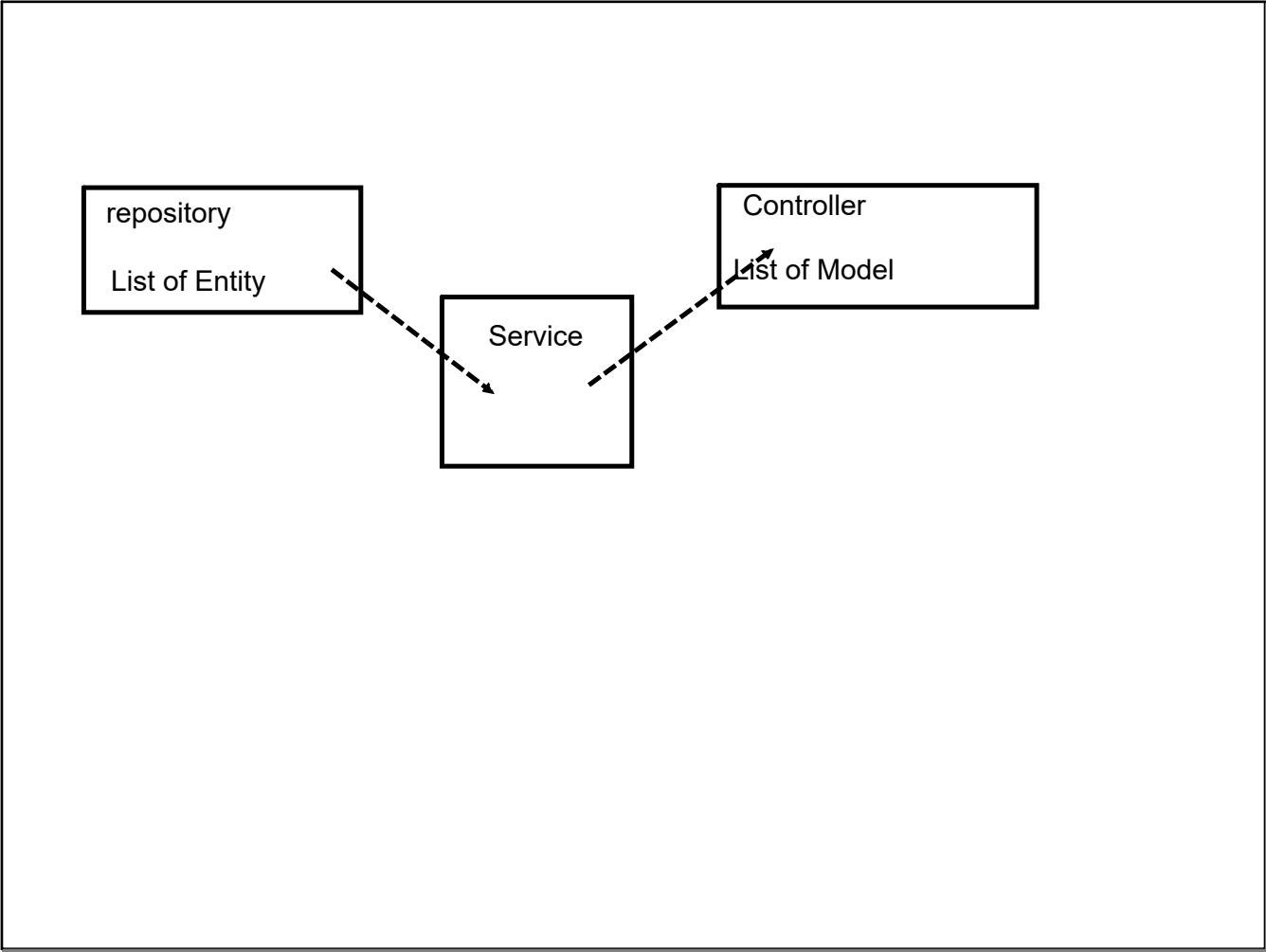


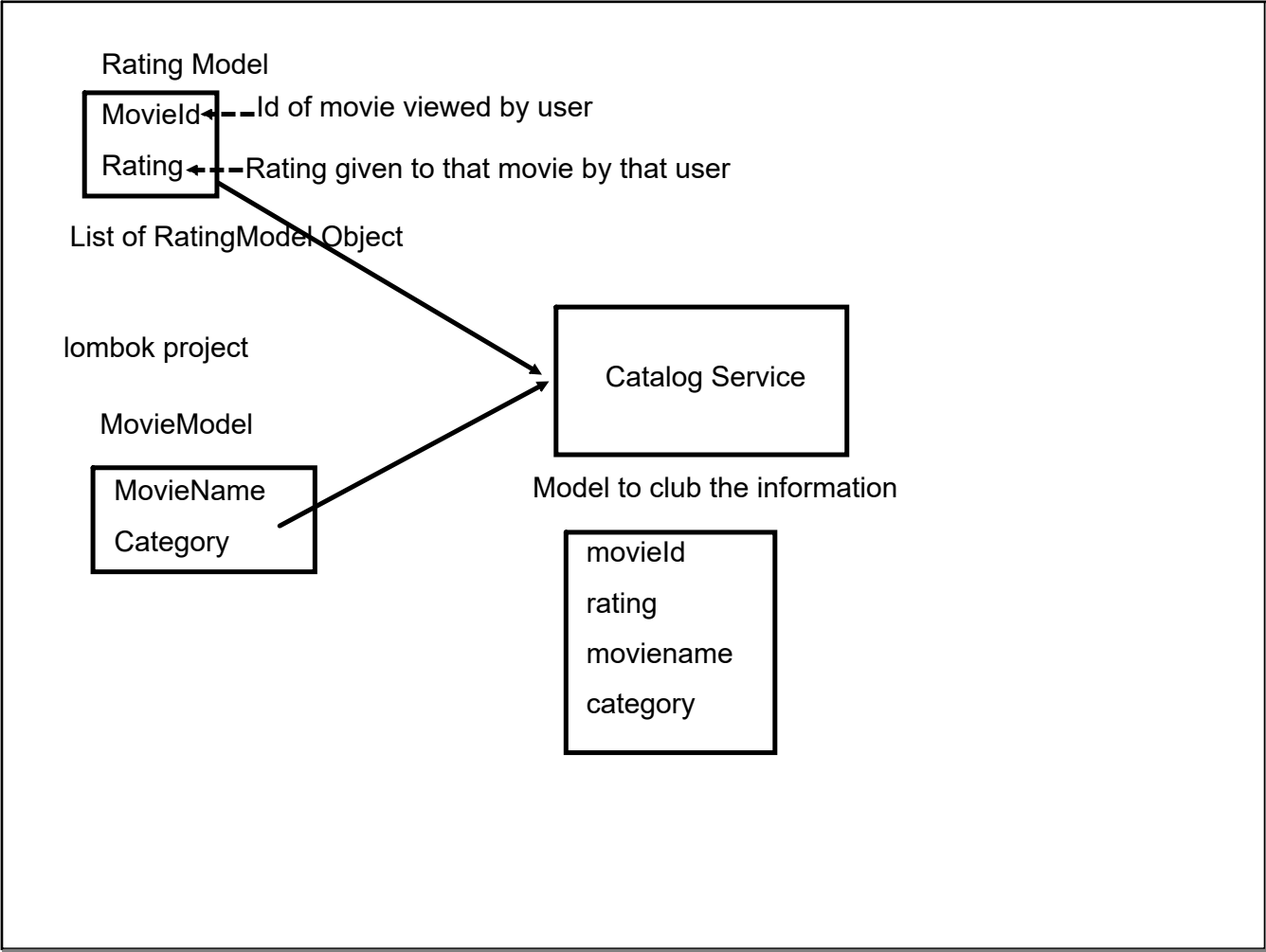


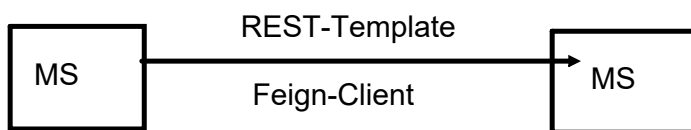
Use Case:
Movie Streaming portal











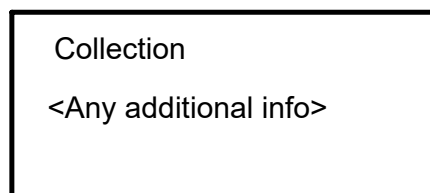
Best Practice:

1. Should never return a list/collection directly

if list is huge, it creates problem in streaming back to calling service

it will stop us to update/add any additional info to associate in future

Model class



Naming Server/Discovery Server

=> Eureka Server

1. no need to know the low level of MS (IP/PORT)
2. will auto fetch one of the instances of MS on demand

Feign-Client : add dependency

=> outsource URL management (HTTP management)

=> configurable

=> abstract

=> Add additional cloud tool

Feign Client:

Works like a proxy

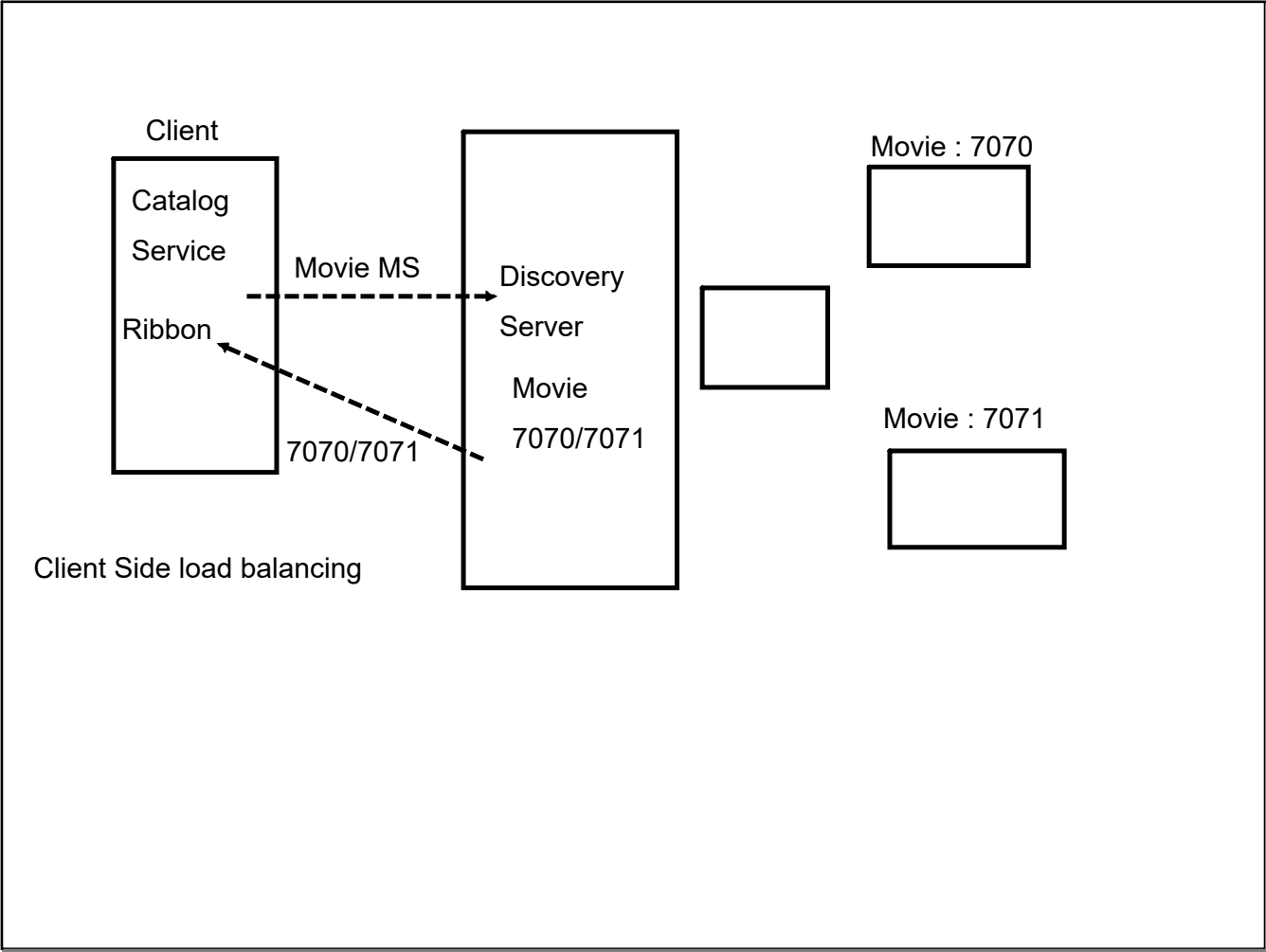
Create interface reflecting the http connection details of other MS (configuration file)

for every MS separate interface

Register all proxies with spring boot application

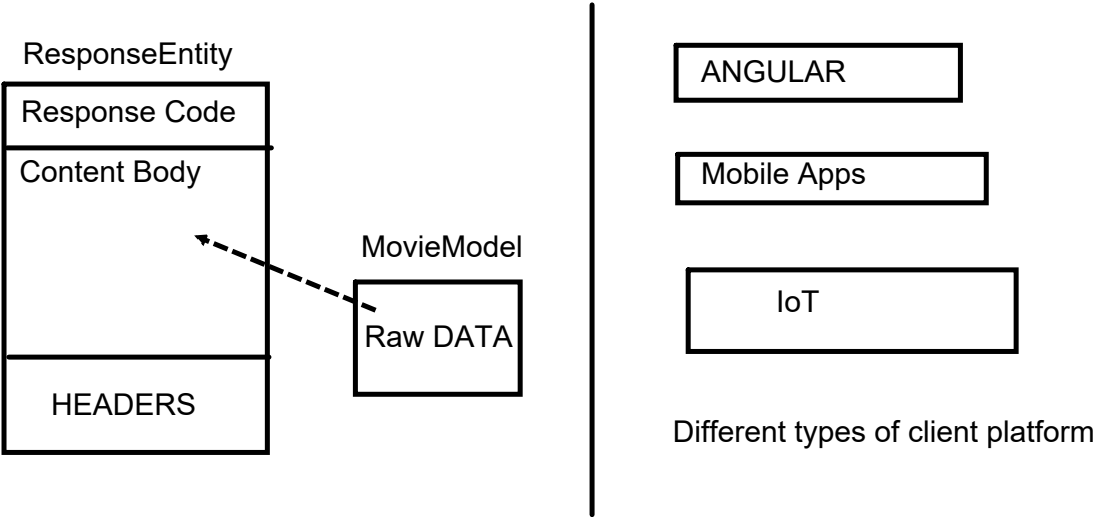
Load Balancing : Ribbon (Client Side load balancer)

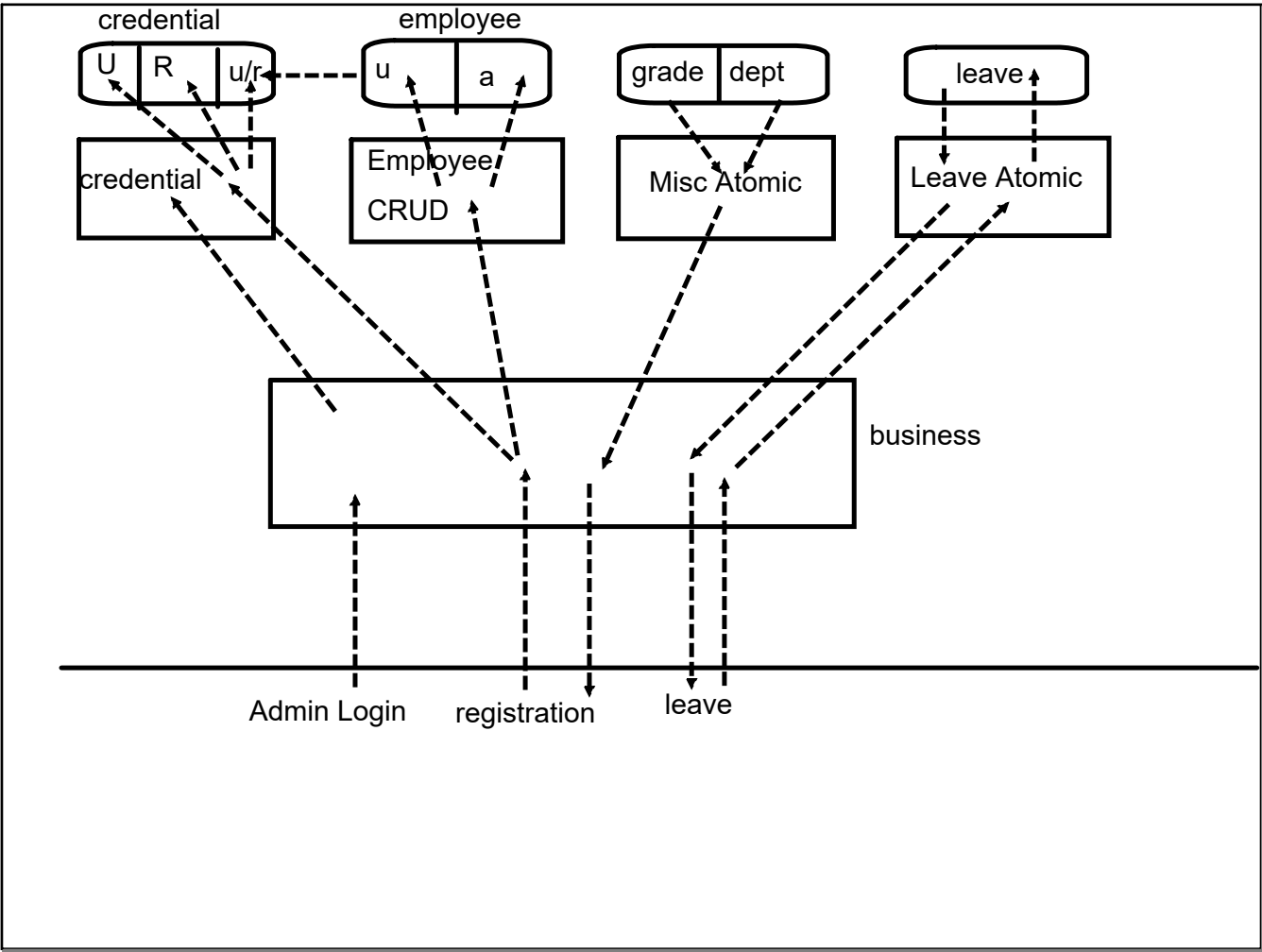
Add dependency

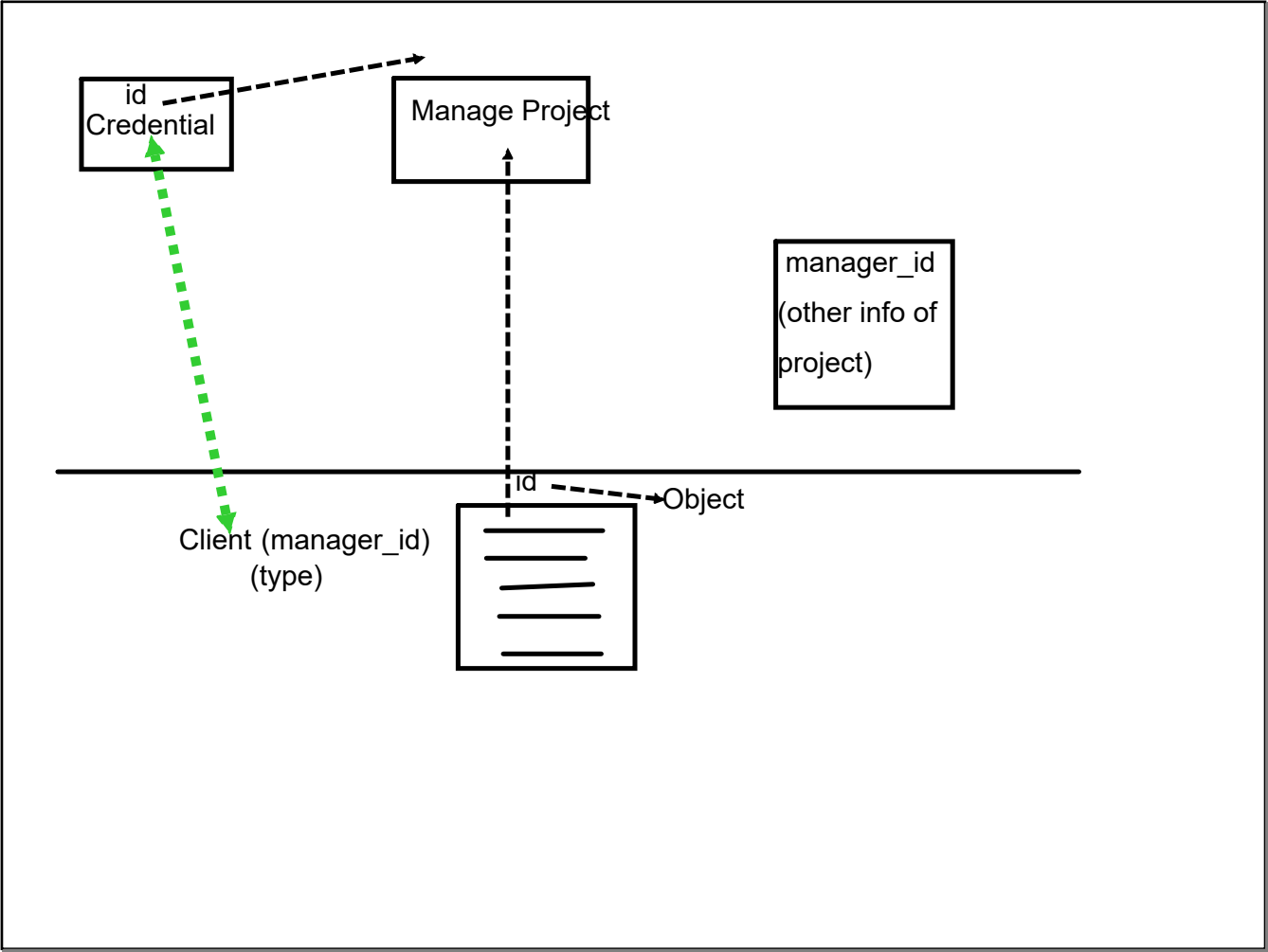


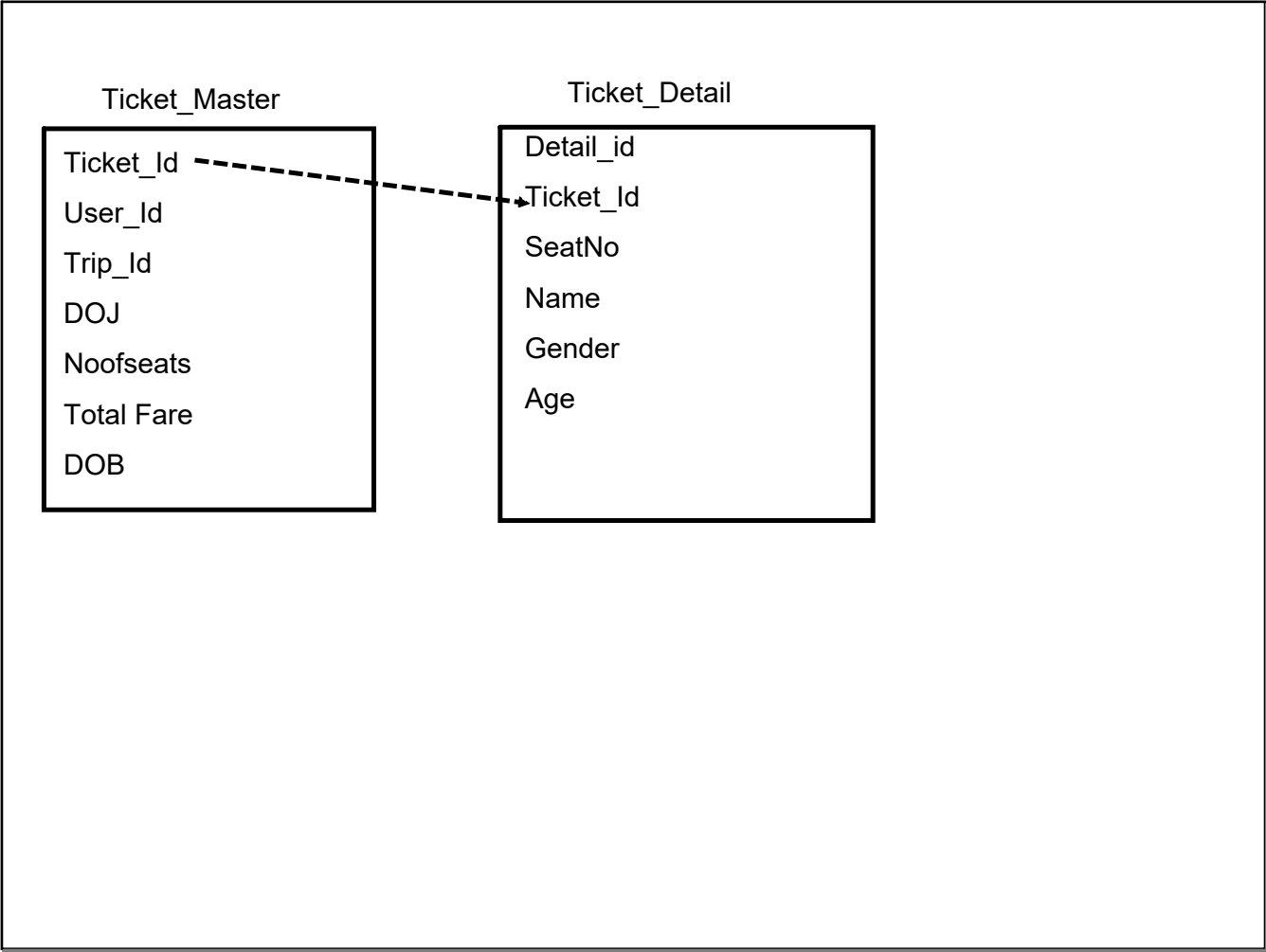
Best Practices

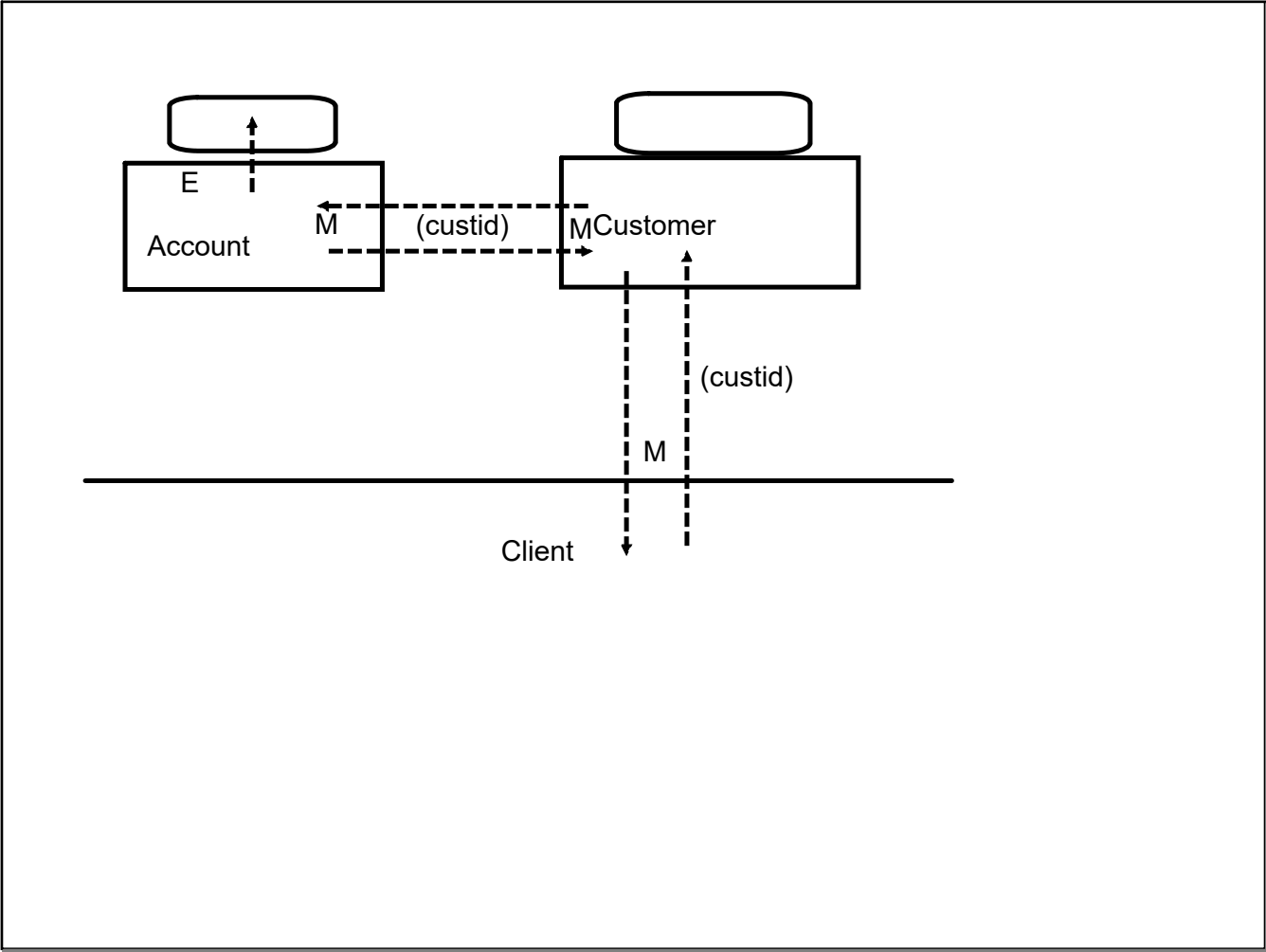
: instead of returning raw data : wrap it in ResponseEntity











Custom repository methods

1. Create an interface
2. Add custom method prototype
3. Create a class implementing methods of that interface (using EntityManager)
4. inherit custom interface in repository interface

