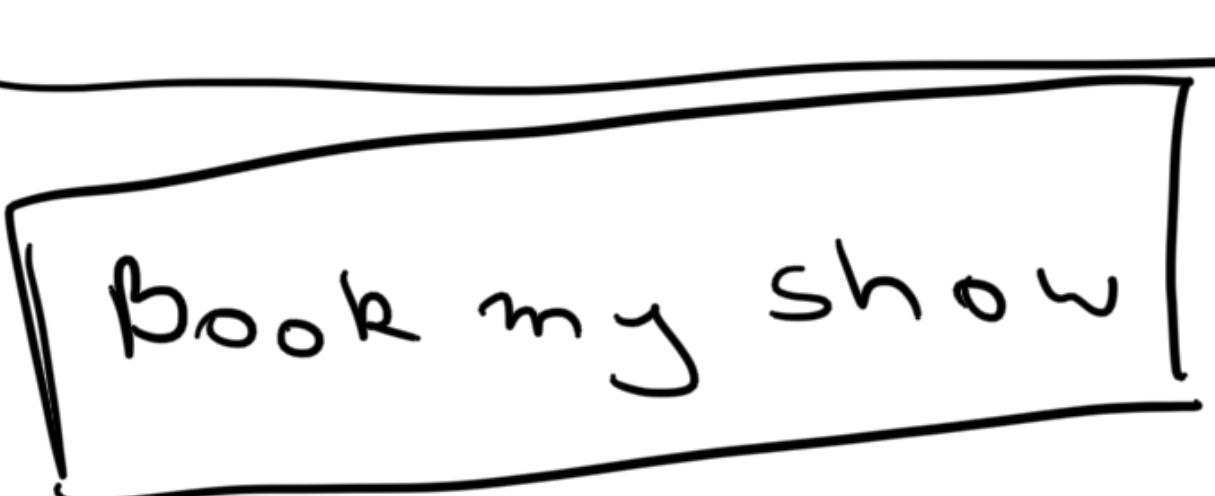


LLD - Book My Show

- ① BMS Design
- ② Role based access control
- ③ ORM - JPA
- ④ Passwords

→ interfaces

ISO 9001
SOC 2
GDPR



Questions

- ① Event bookings

- Movie

②

Login users can book

③

No limit on the no. of shows

④

Admins → update / edit
movie

⑤

10 seats max

⑥

A user can edit a booking
and cancel the booking

⑦

Customer, Admin

⑧

Types of seating

- GOLD

- DIAMOND

- PLATINUM

⑨

1 hr cutoff

- not be allowed to book & edit
or cancel

⑩

City

↳ Cinema

↳ Halls

⑪

Payments

- UPI

- Card

- Net banking

⑫

Search, filter & sort

movie

name

Location

Cinema

Language

Genre

[Rating]

①

Seat type

② Day of the week

③ Time of the day

④ Cinema

⑤ Movie



① Problem statement

5 min

② Classification

5 → 5-8 v
prioritise

+ 5 = 10 min

③

Requirements - Smin

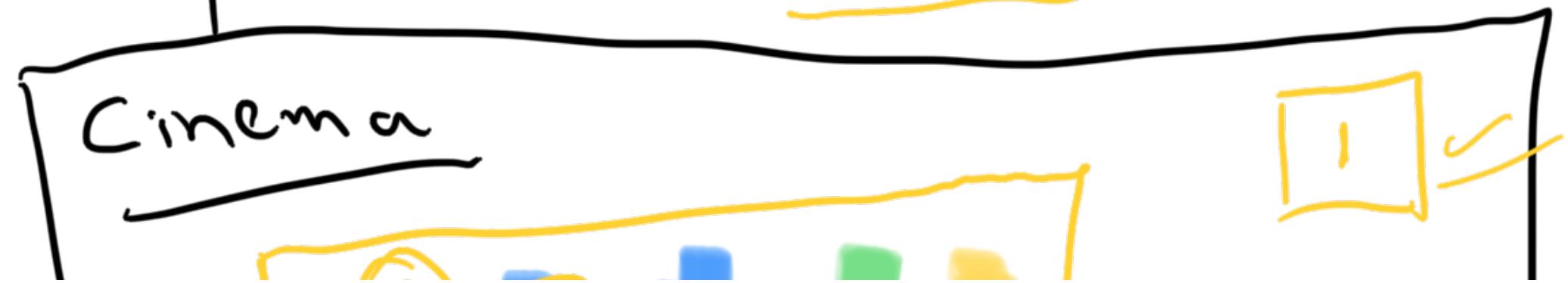
20 min

1:50 - 2

→ Cinema



meta data



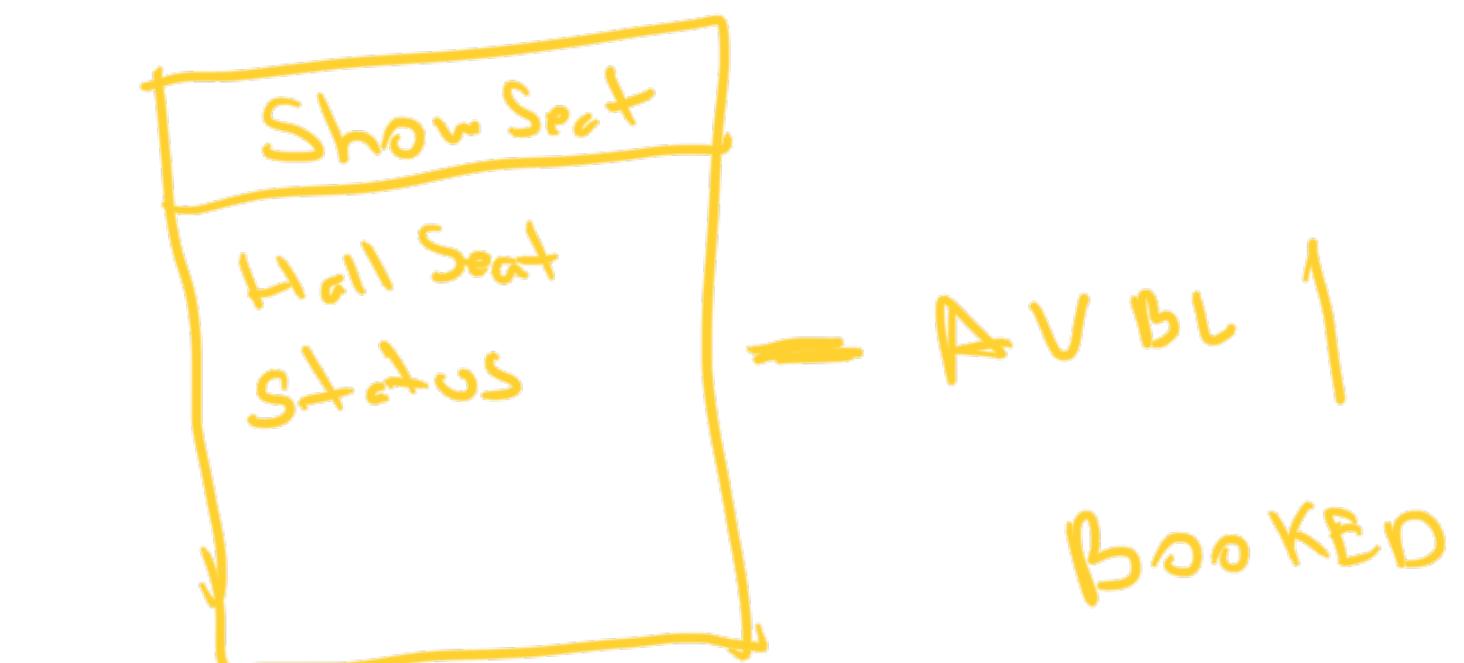


CRUD

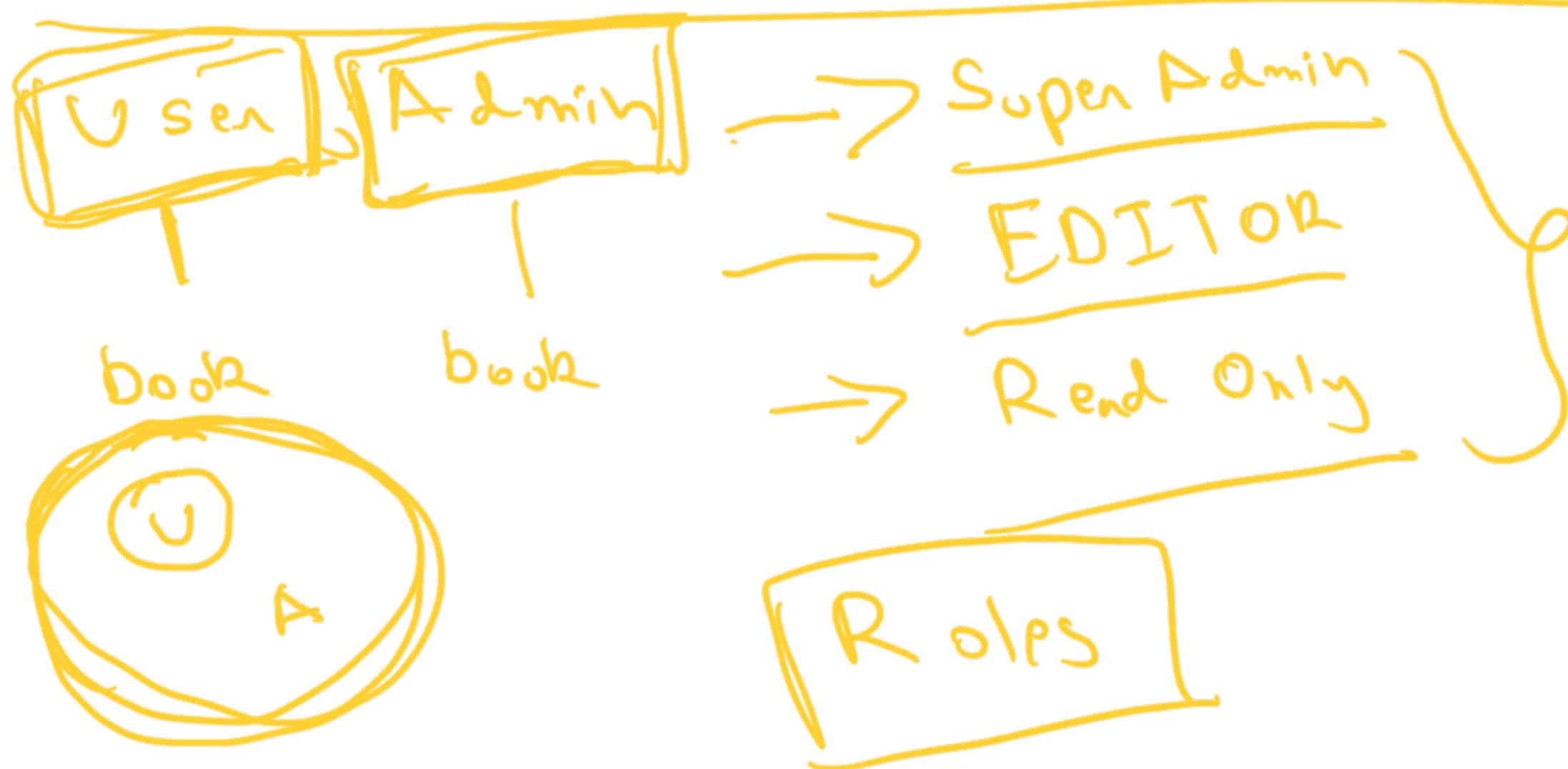


Class Diagram





Single Source of truth



ADD_A_MOVIE

roles(), includes

if (user.getRole() == "ADD")

Deciding if a user has access

to a resource with a role

RBAC

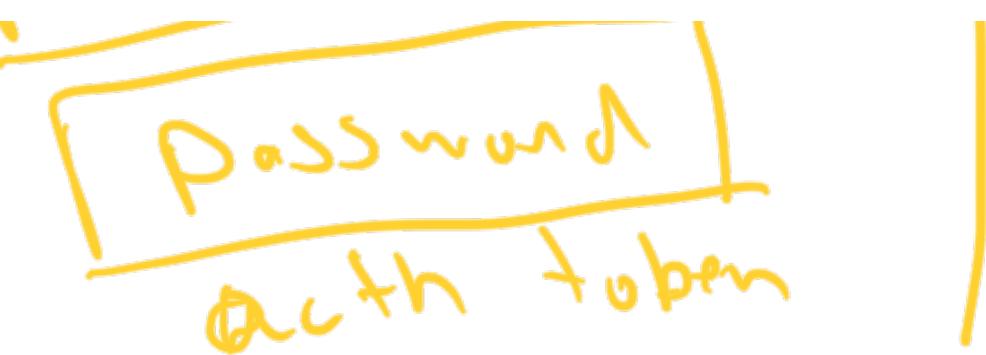
- Authorization

Authentication

login

vs login

does a user have
access to a resource



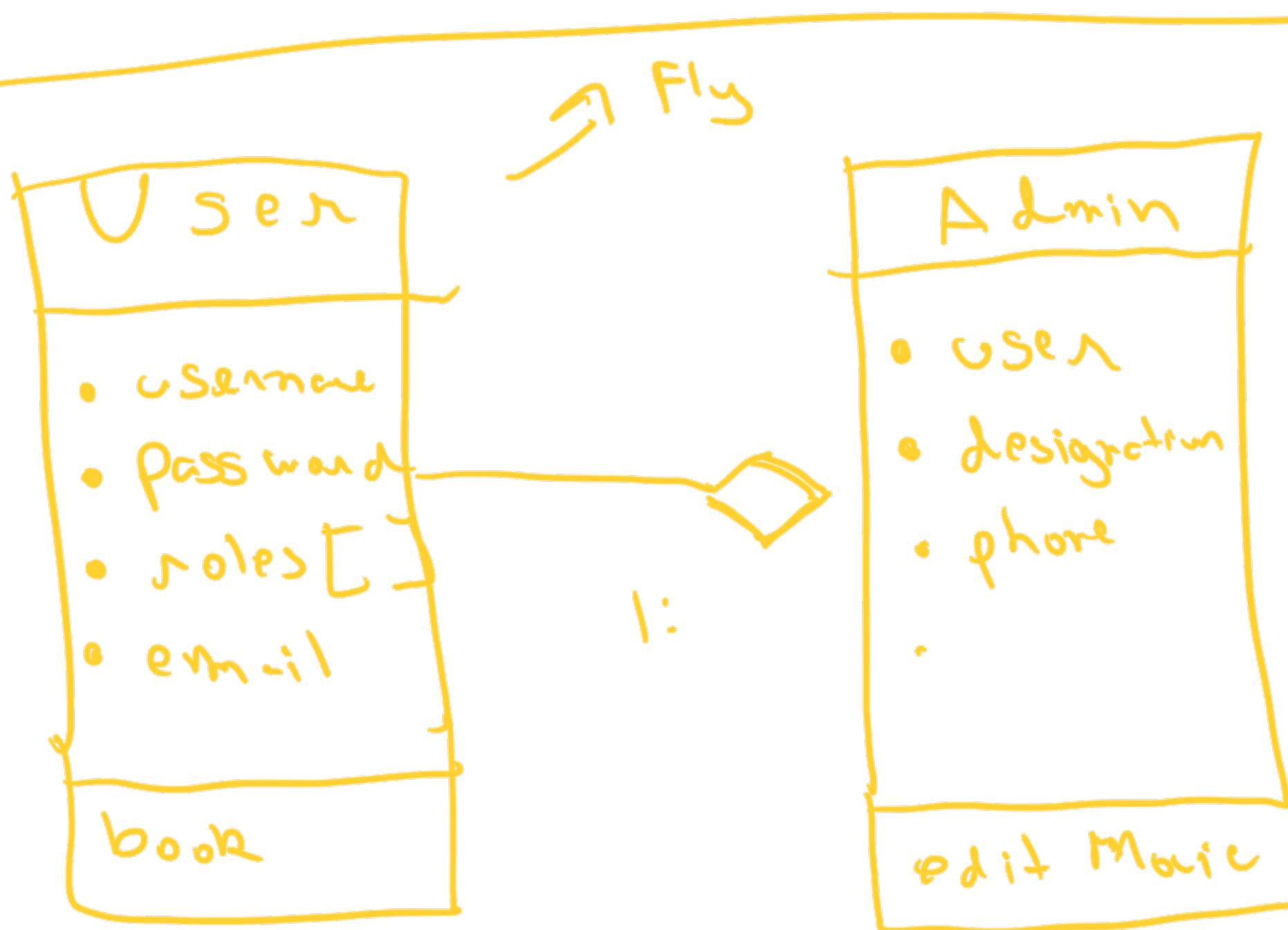
Basic Auth

Bearer Auth



→ SPA

→ Passwort →



→ Role -> User

RBAC

Interface

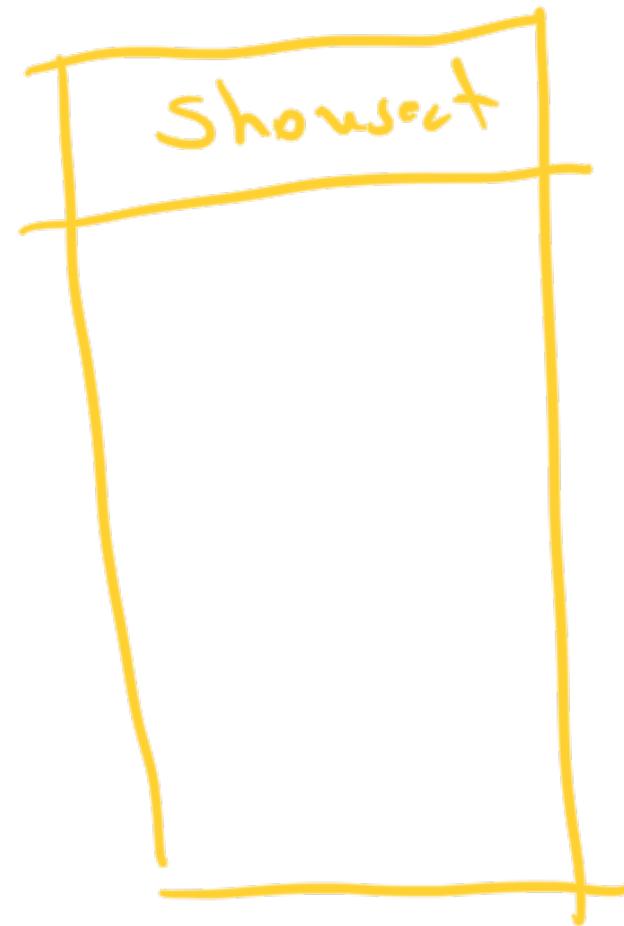
Booking

Booking

- User
- Show
- Showseats
- Status

Payment pending
Cancelled

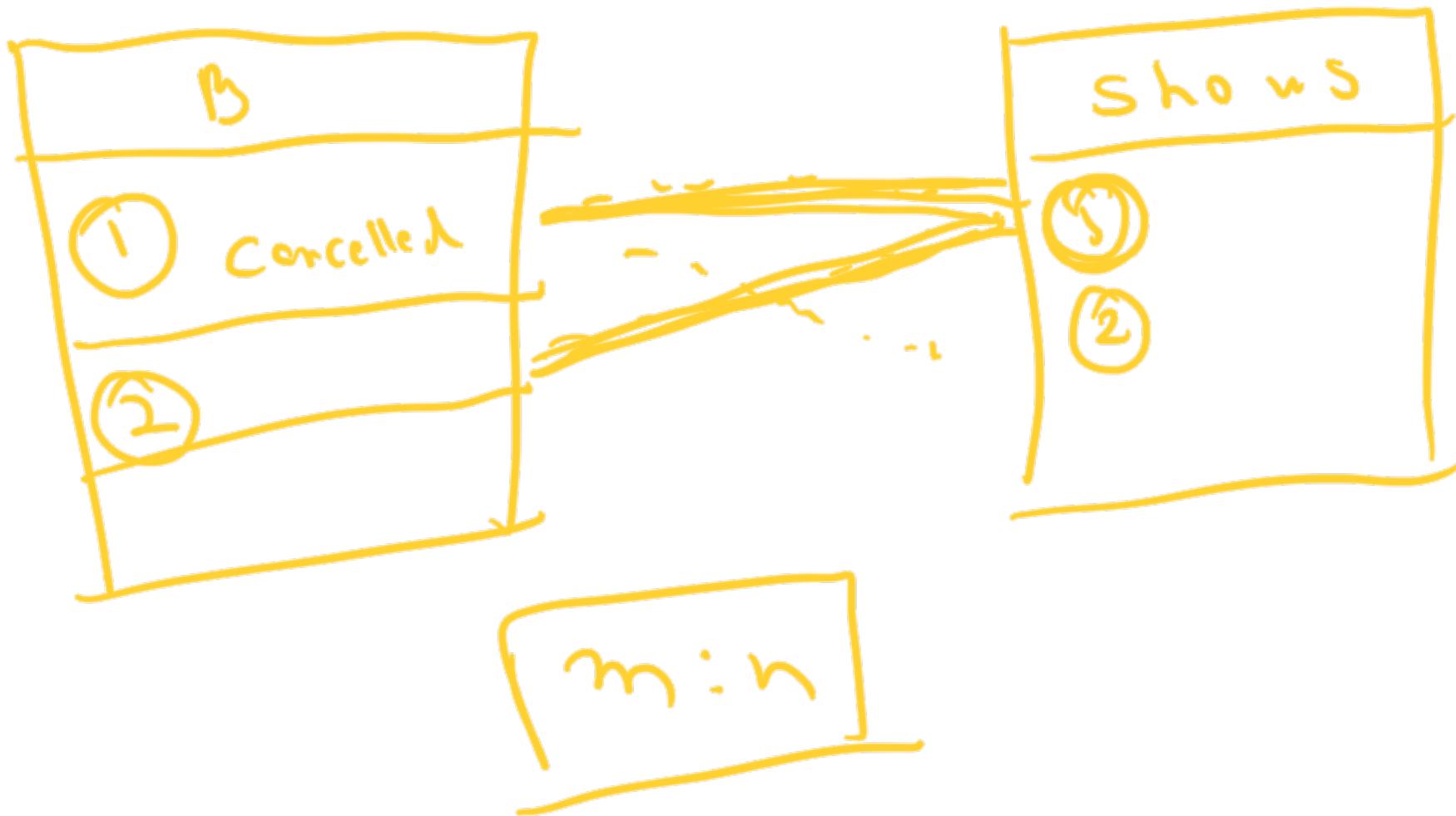
1. Coupon



Candidinality



→ **Cancellation**





→ Delete data (GDBP)

Deactivate | Tombstoring | soft-delete

booking Show-Sel
min

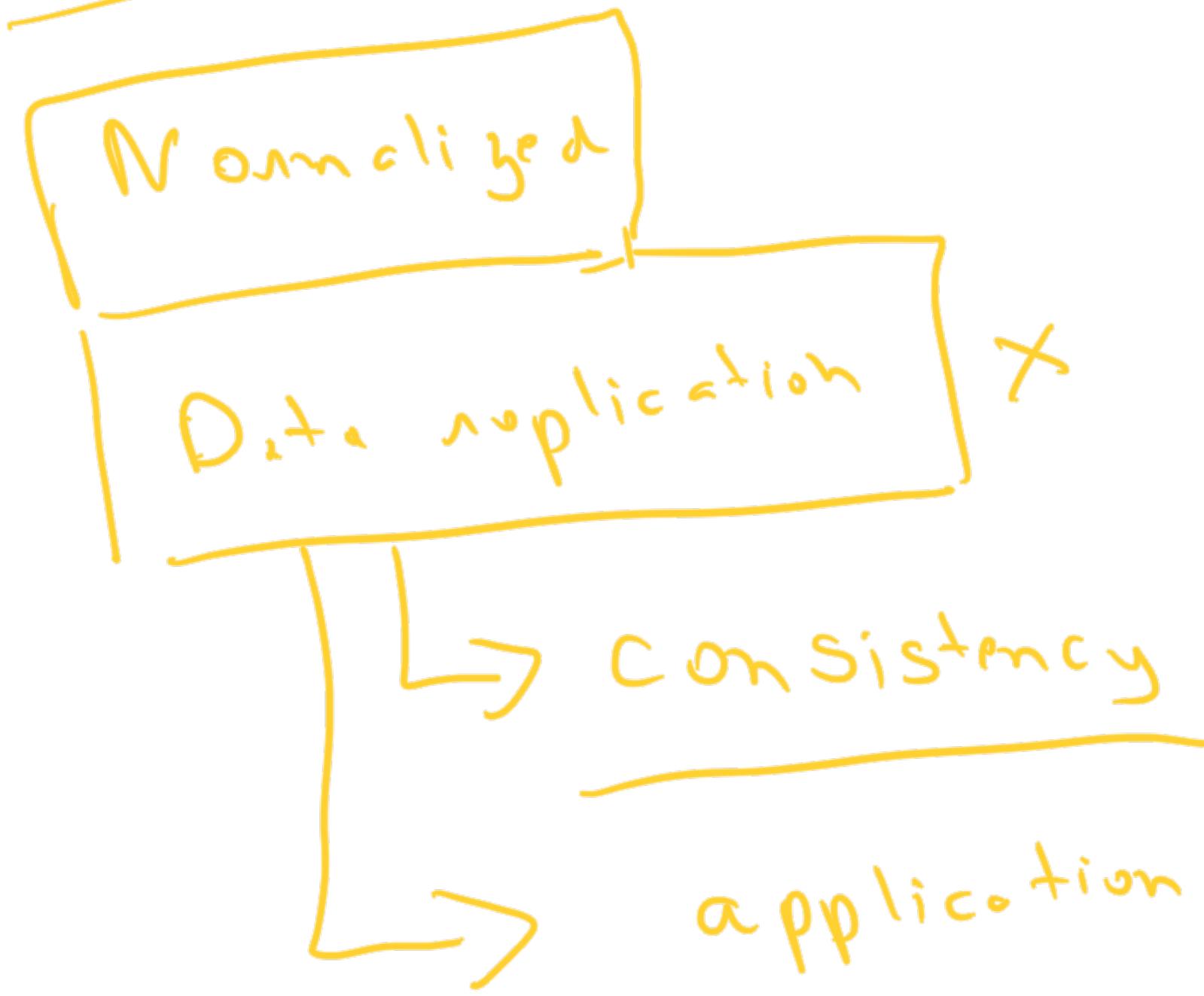


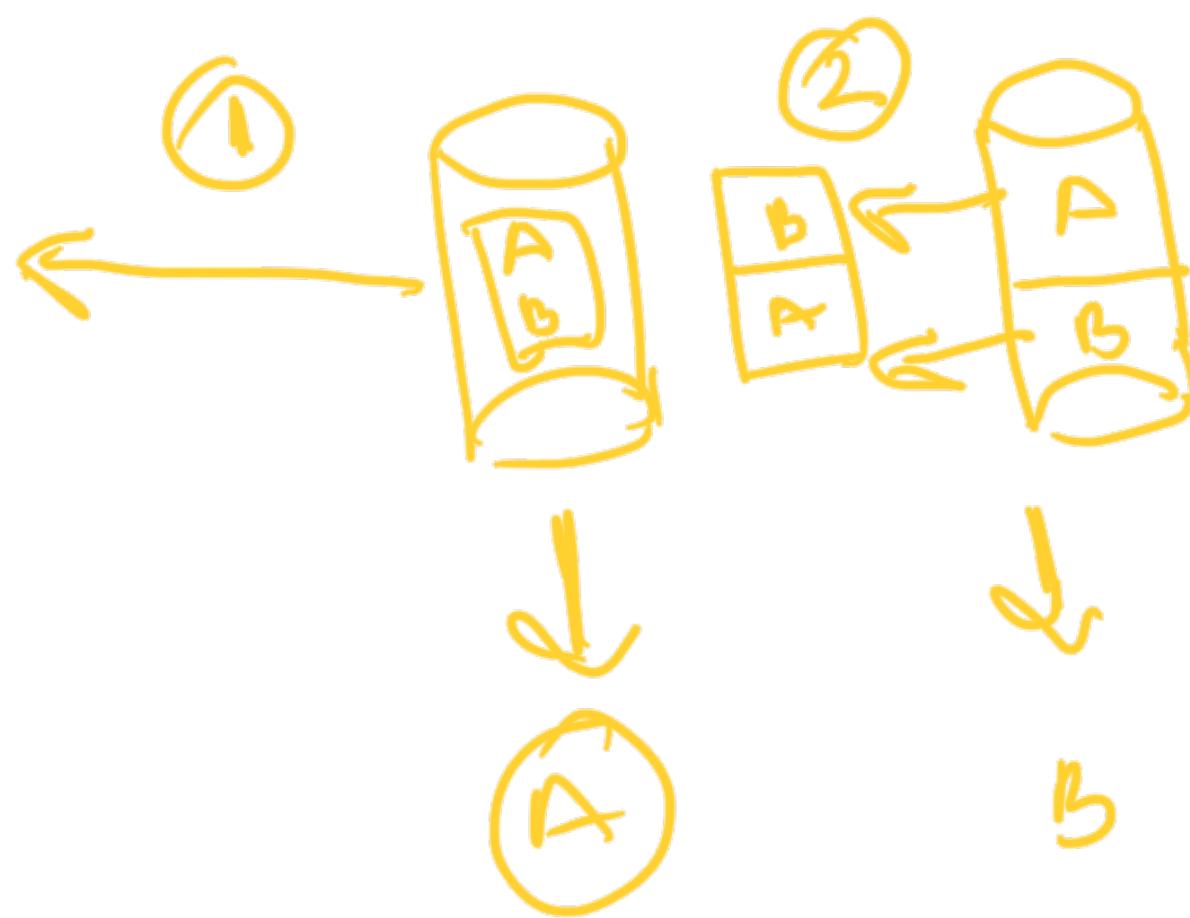
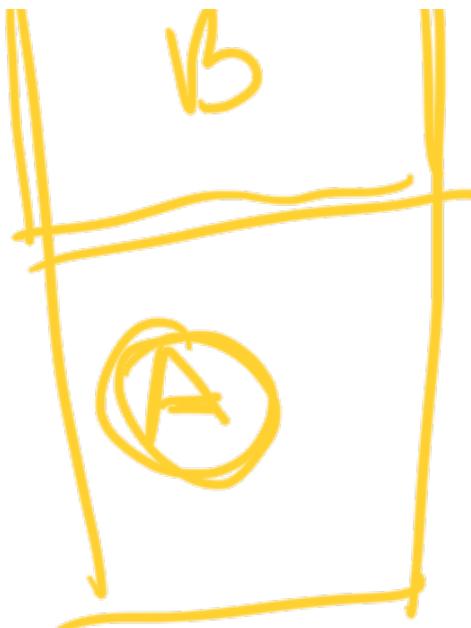
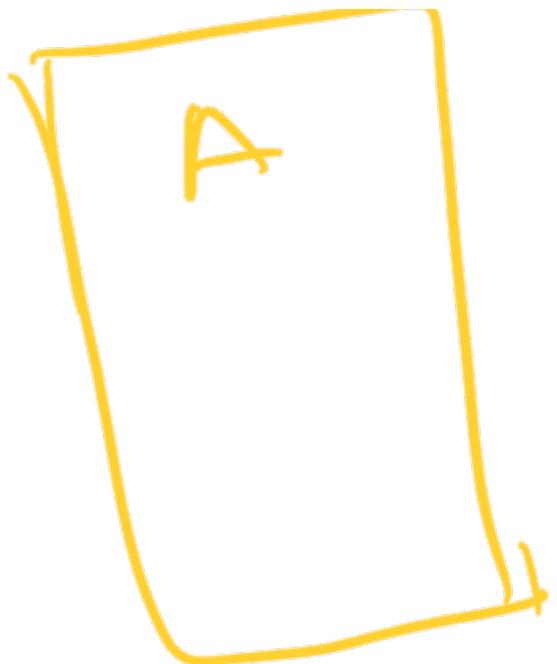
6:14 - 6:20
10:45 - 10:50

Book My Show

→ Design & JPA intro

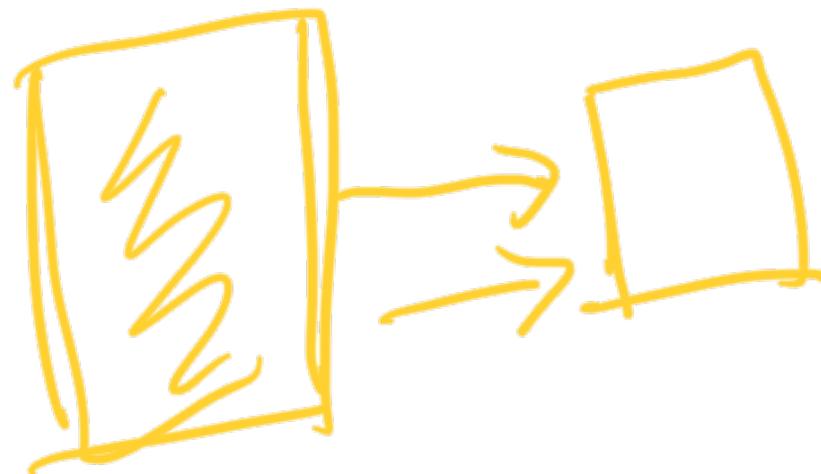
↳ | Concurrency





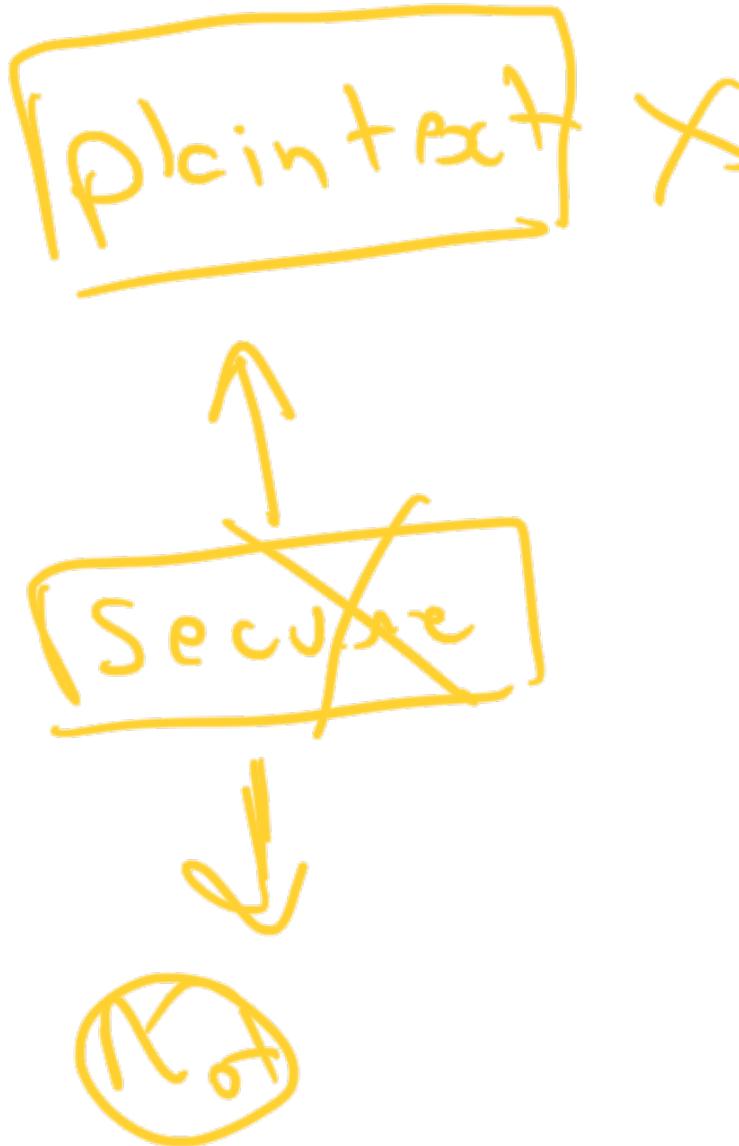


Consistency

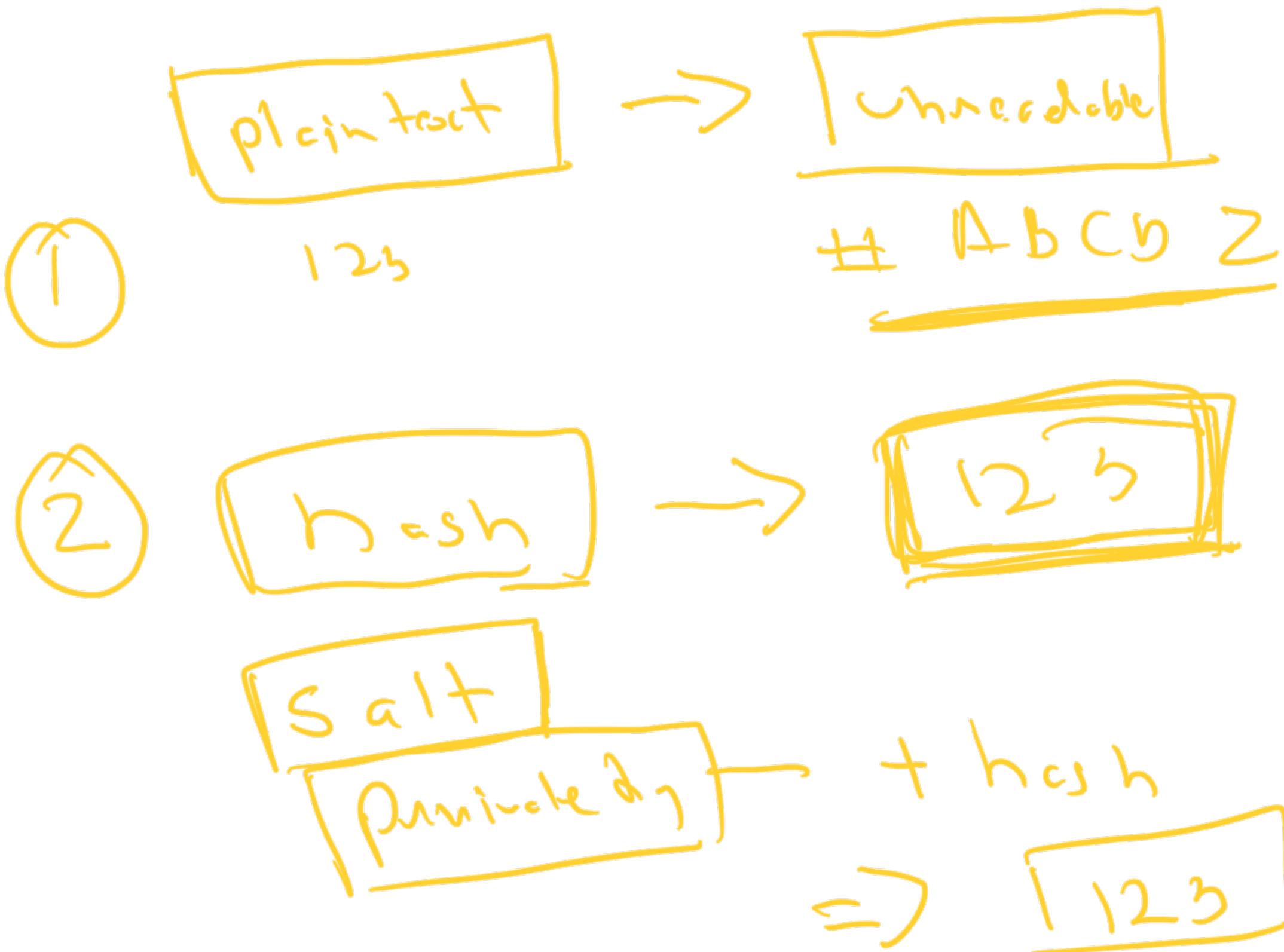


write heavy

Hashing



Salt encoded password

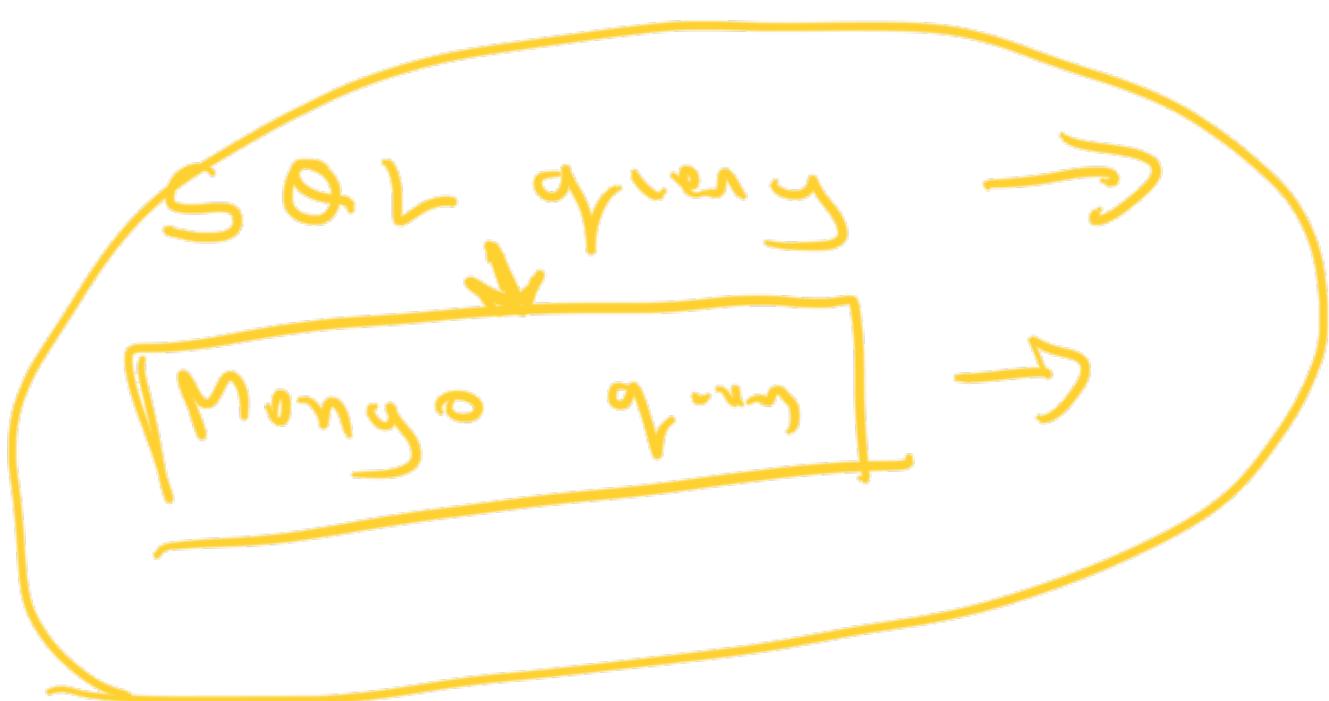


SPA

⇒ ORM

Application

Db





Writing & maintaining
queries is a pain



optimizing native



Abstraction



ORM



