

Agenda

* Book My Show

✓ * Requirements

✓ * Use Case diag.

✓ * Class diagram

↓
API Design

* Code

* Spring boot

* JPA

Technical

* URL shortener

* Typeahead

Search

* Rate limiter

* Payment service

* Web Scraper
Crawler

* Postgres / mySQL

① Book My Show

— Movies

② Select a seat

— 10 minutes

③ Cancel a ticket

~~1~~ 1 n n

① Theatre

→ Multiple Halls / Screens

→ Each hall has n of
Seats

② Theatre → Hall → Movies

③ Seats

— Gold

— Platinum



- Silver



④

Search a movie [Name]

⑤

Filter / Sort

- language

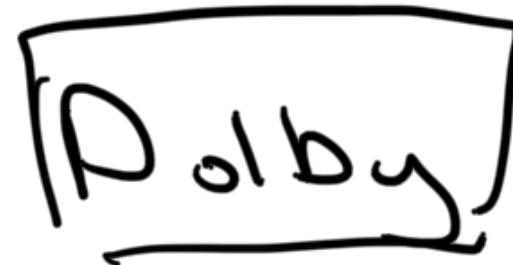
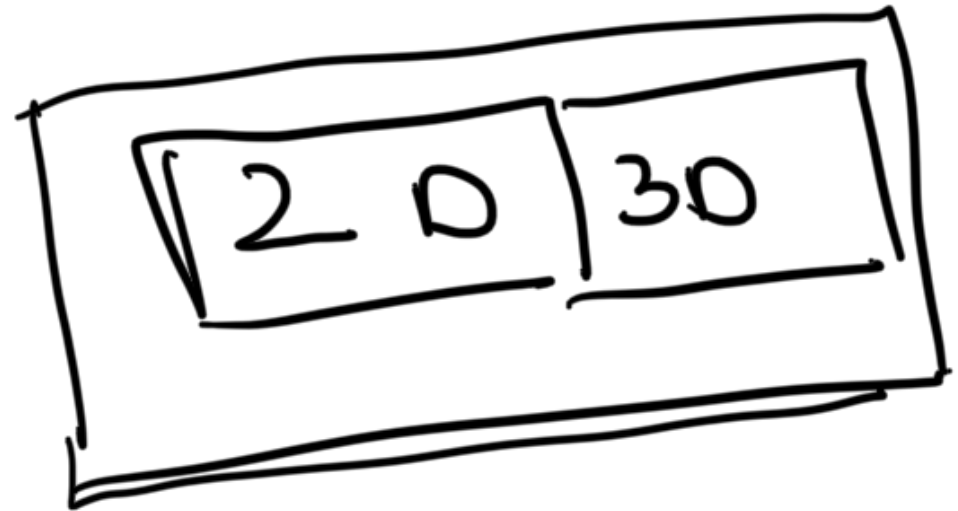
- genre

- location

- feature

- price

time



⑥

Pricing

- Type of seat
- Theatre
- Movie
- Day
- Time

Actions

① Customer / User

② Admin

↳ Add a city

↳ Add a theatre

↳ Add a hall

↳ Add a movie

CRUD

User Use cases

① Select city

- filter

- User → city ✓ update

② Search for movie

③ filter movies

④ Get a movie

⑤ Book a ticket

⑥ P. / UPI
Metbanking

✓ my \swarrow cash

⑦ Cancel a ticket

4:51 - 5:05

- 10:35

Aim

→ List out all entities

→ Class diagram

→ Notebook

→ Mermaid

1 hr

{
10 - Req
15 - Design
35 - Code
}

4:56 - 5:15

10:45

Class Diagram

City

- name
- state
- Theaters

Theater

- name
- address
- Halls
- Shows
- type

- timings
- description
- lat / lng

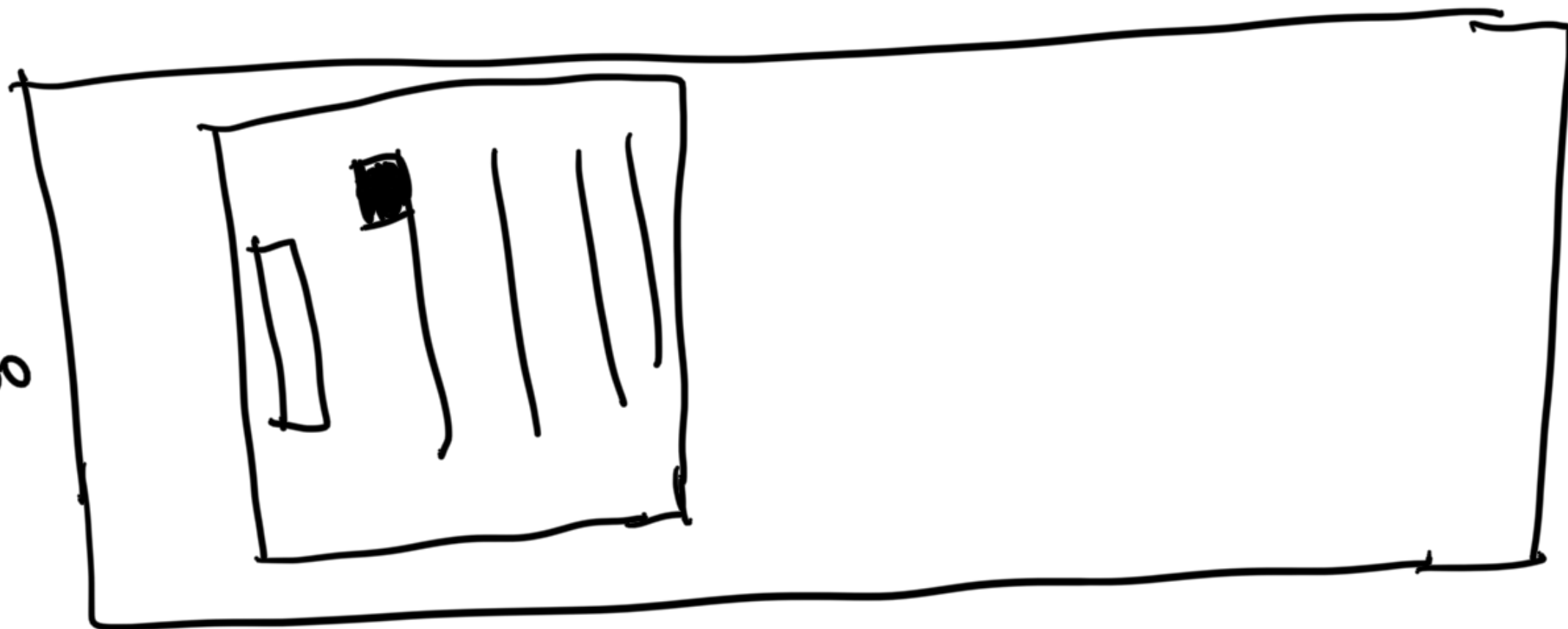
Hall

- name
- Seats
- Show
- type
- timings

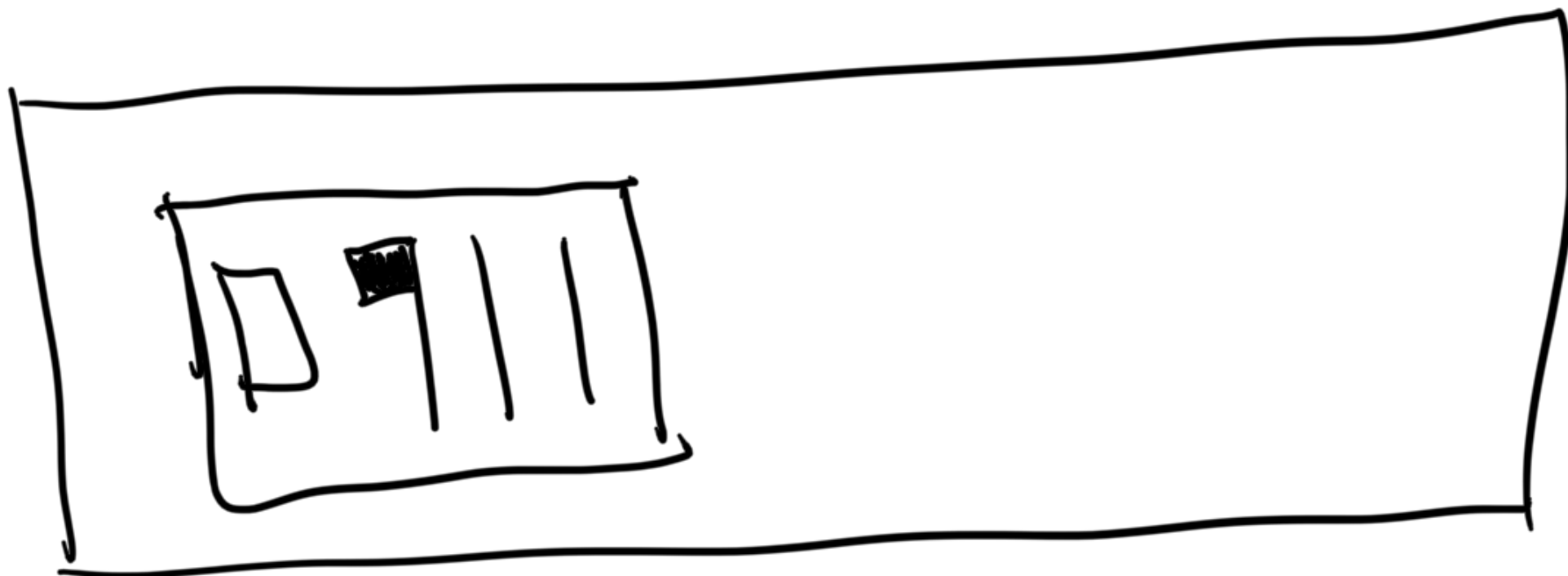
Seat

- Seat #
- Type = Gold, Pt, Silver

12:00



6:00



Wakanda - 12:00 PM

Show

- Movie
- Start time
- end time
- language
- Features
- Show Seats

Movie

- name
- rating
- duration
- Languages
- description
- Category
- Features
- - - - -

Shows

Show Seat

= Seat

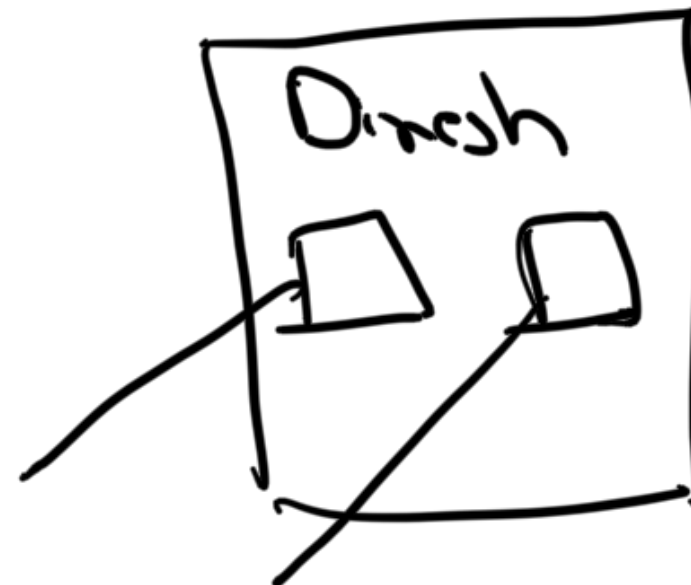
= Status - AV BL, BOO KED

= price

Booking / Ticket

= User

= Show



- Seats - Selecte seats [show seats]

- Price

~~Price~~

- Status - Payment done, Can celled

Payment

- ticket

- status

- amount

- mode - Cash, UP! etc

-
- ① Convert entities to class diagram
[OPTIONAL]
 - ①* Add relationships to class diag.
 - ② Convert class diagram to
[models] Java classes
-

Next

① Class Diagram

② API Design

③

Implement flows

- Search + filter + sort

- Booking flow

Class Diagram



Models - Code