Design BookMy Show.

| Popular | Concurrency |
| (No 2 persone should be able to book |
| the same Seat).

1) Overview
| 2) Requirements

- 3) Clasify requirements.
- 4) Class Diggram
- 5) Schema Design
- 6) Code. 7 SpringBoot.

#	Overview

→ Design Classes/Entities → Code the requirements.

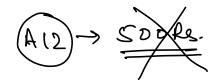
Requirements.

2 -> [BMS] -> City -> Movie -> Date -> Theatre
User

Language
Time Payment

- There min be multiple cities, Each city will have multiple theatres.
- A theatre can have multiple screens/ anditoriums.
- Screen mill have different fratures.
 (2D/3D/Imax/Dolby)
- Each screen mill have multiple sents

5: Seats can be of different types. Scefa Gold Silver Matinum.

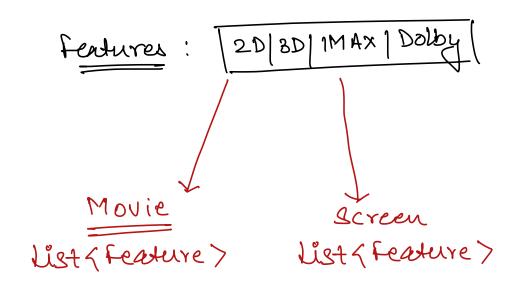


A12 -> Avengers: 9:00 Am => 300 Z

A12 -> Avengers: 6:00PM => 500 =

Ince is a feature of Movie, Time, Seattype,
Theatre, Day, Screen.

- 6) Each type et stat mill have a lifterent price for a show.
- 7) Each theatre mill have midtiple shows running at one time.
- 8) Each show will have a Movie running at a time.
- 9) Movie can have multiple attributes like languages, cast, name, indb, genre, grale,



Movie: 3D | IMAX | Dolby (Avergers)

Screens: 2D/Dolby

Shows: 8D + Dolby / IMAX + Dolby X

- 10) User should be able to search movies.
- 10 mins before the Show.
- 12) After seat selection user mill do the Payment.
- 13) We only support online payments.
- 14) Payment will be ontsourced to some

L> Razor Pay | Pay V ⇒ ADAPTER

(6) Suppost pastial paymouts.

500 \ 300 CC DC/ Netsanking.

- 16) Refund/Cancellation
- 14) User can book 10 seats max in one Ticket-
- 18) Once the payment is successful, Ticket will be generated.
- (4) Only one person should be able to book a particular scat.
- 20) Once a user selects a seat, that will be locked for 10 mins

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Class Diagram.