

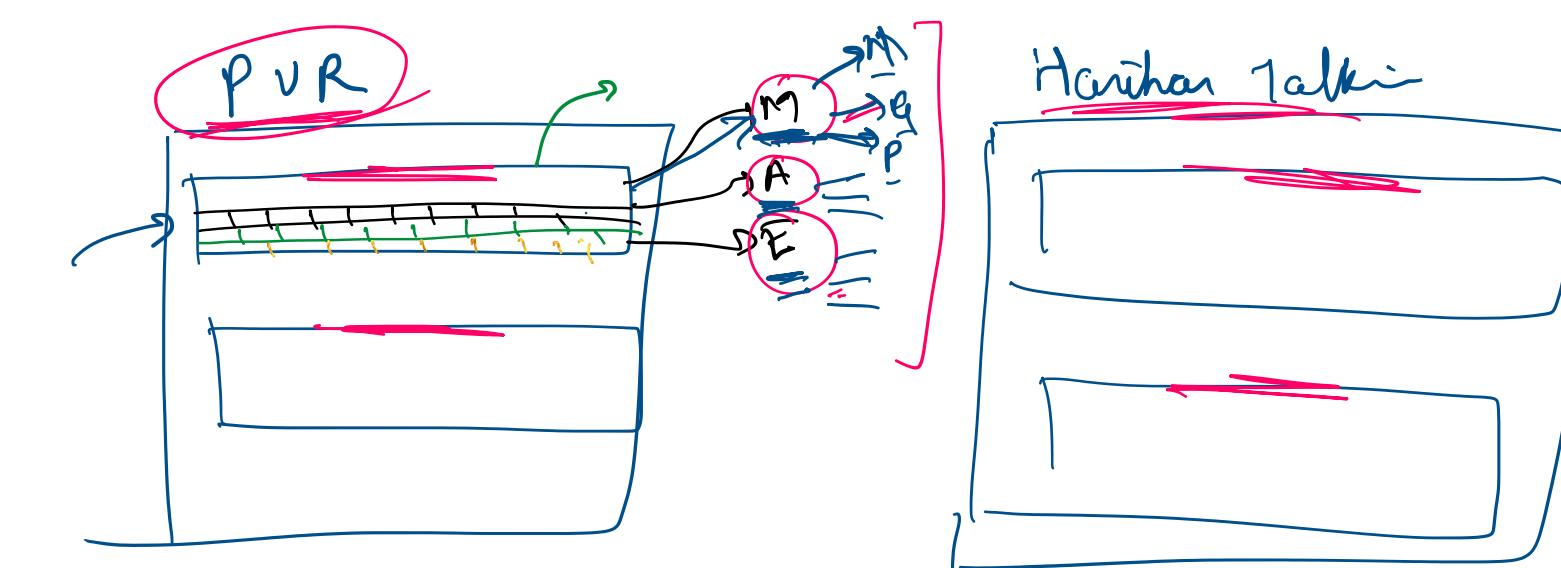
- APIs / features

- For a single cinema Hall ?
- Online or offline booking ?
- No of requests expected per min ?
- Multiple screens in cinema ? ✓
- Ticket booking ?
- Payment service ?
- Booking strategy ?
- Payment strategy ?
- Ticket Prices ?
- Future Scope : other events ?
- Types of movies ?
- Max limit on tickets. ✗
- Notification
- Users of the system ?
- Other facilities (like food ?) ✗
- Coupons ?
- Blocking seats ?
- Rating & comments ? → Future Scope
- Cancellation ?

- Cinema → [Name, city / add]
- Multiple halls can be there in a cinema
- Every hall can have multiple shows at different time of the day.
- Every hall will have some seats.

- User should be able to see all cinemas of their city.
- On selecting a cinema all shows should be listed.
- User should be able to search movie based on their name & genres.
- On selecting a movie all shows should be listed.
- On selecting a show, all seats should be shown from where user can select some available seats & book the ticket.
- System should support different types of payment gateway.

- Three types of seats : normal, Gold, Platinum.

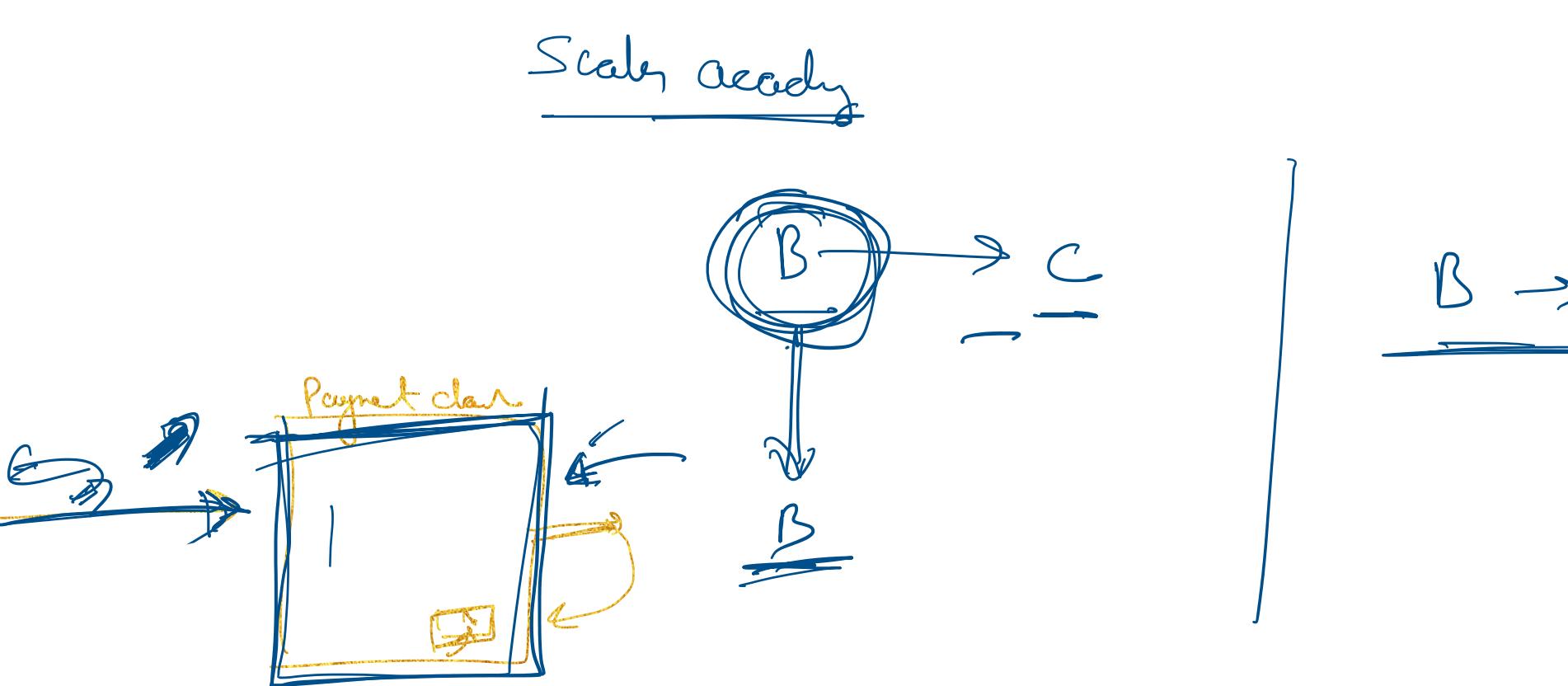
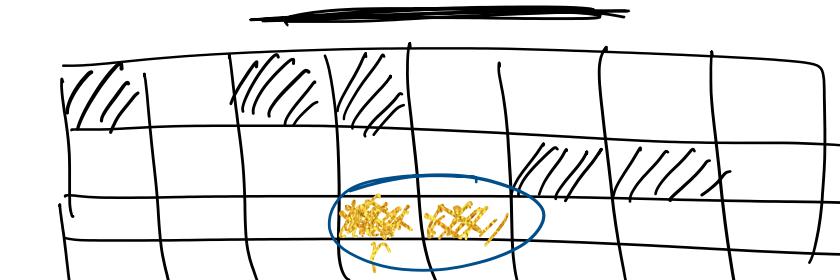


- User should get his tickets on email & SMS once booked.

- Provides admin role.

- Admin can add / edit / delete

- Movie
- Cinema
- Hall
- Price



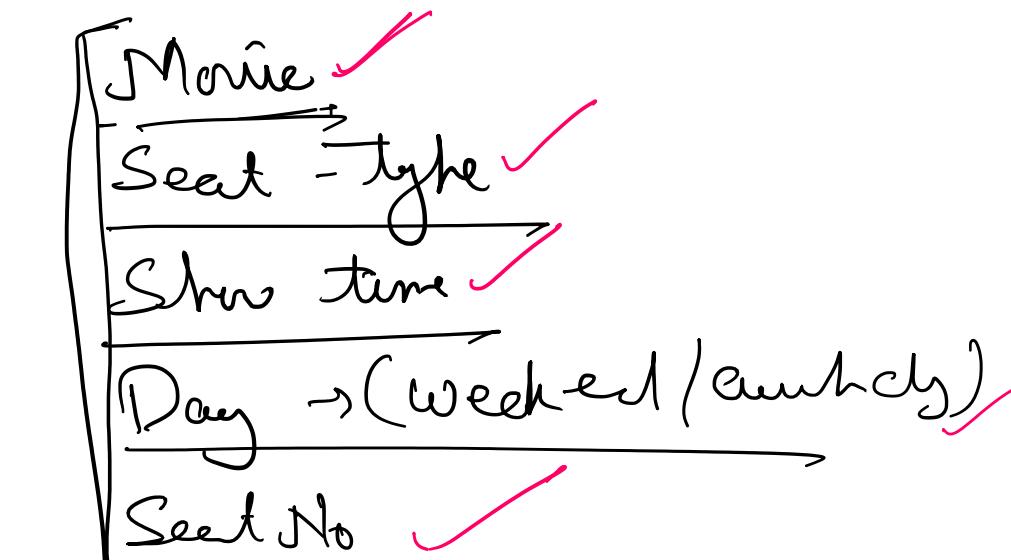
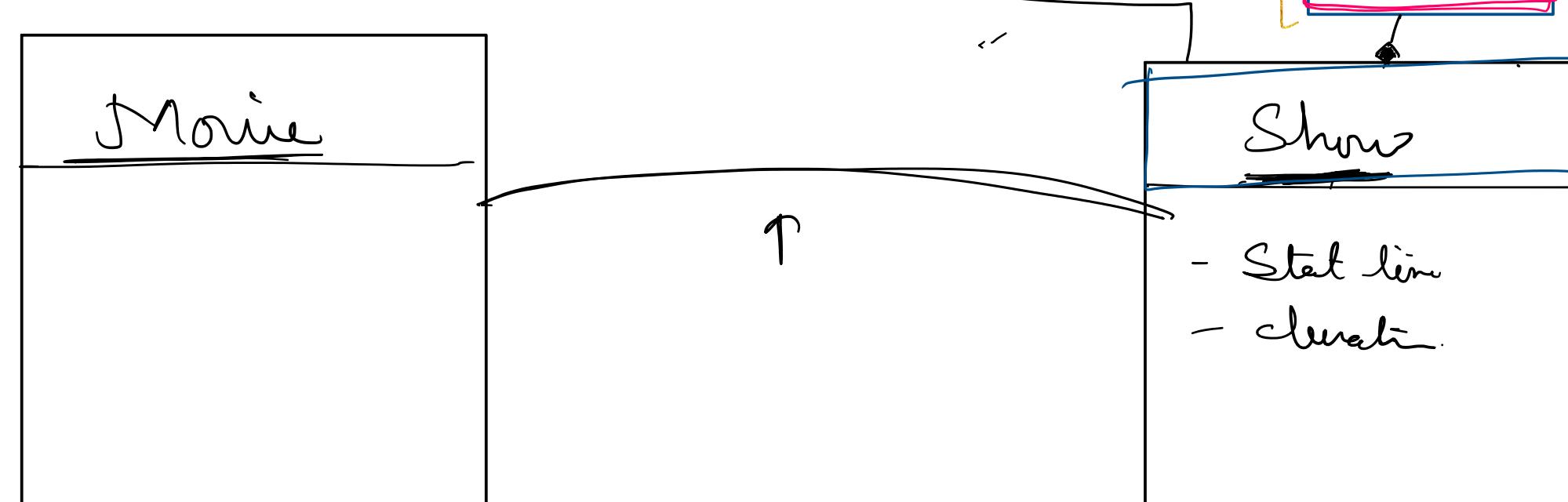
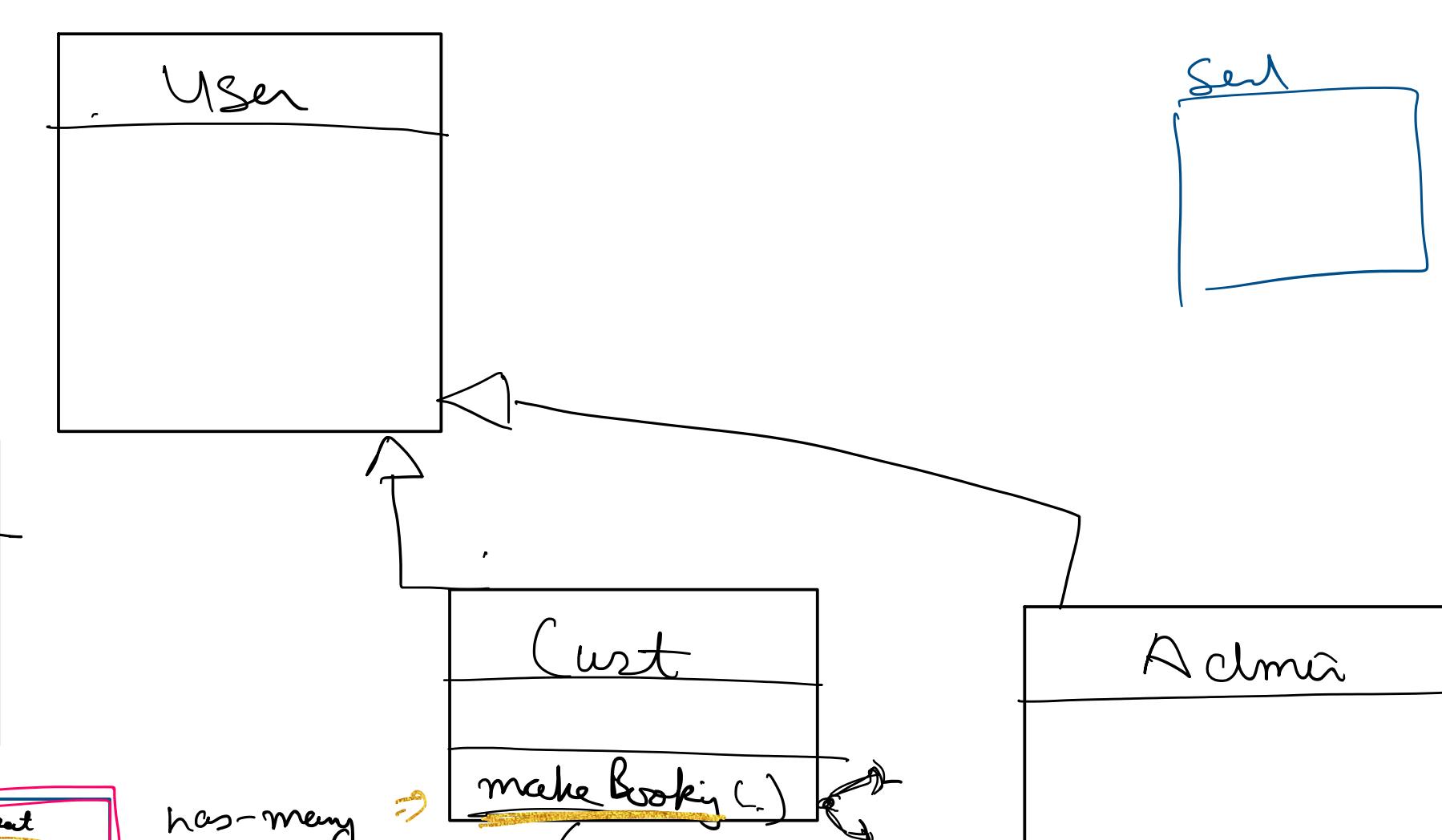
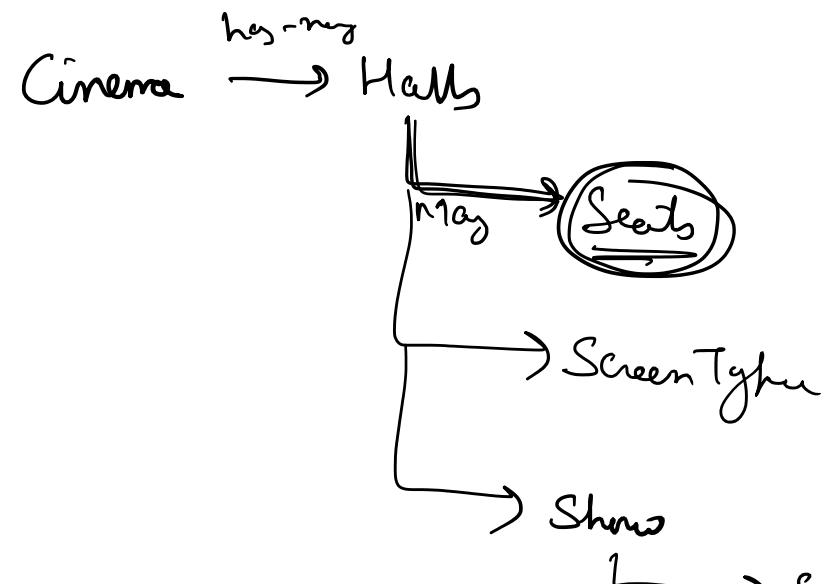
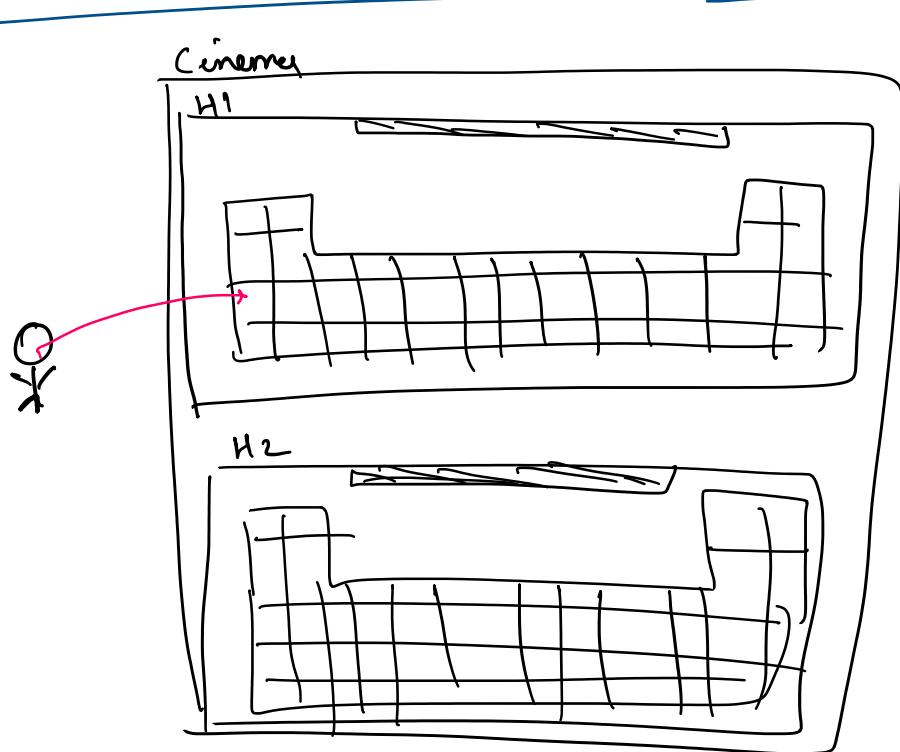
B → D

- User should be able to cancel the tickets.

- Box price of all movie will be provided by admin.

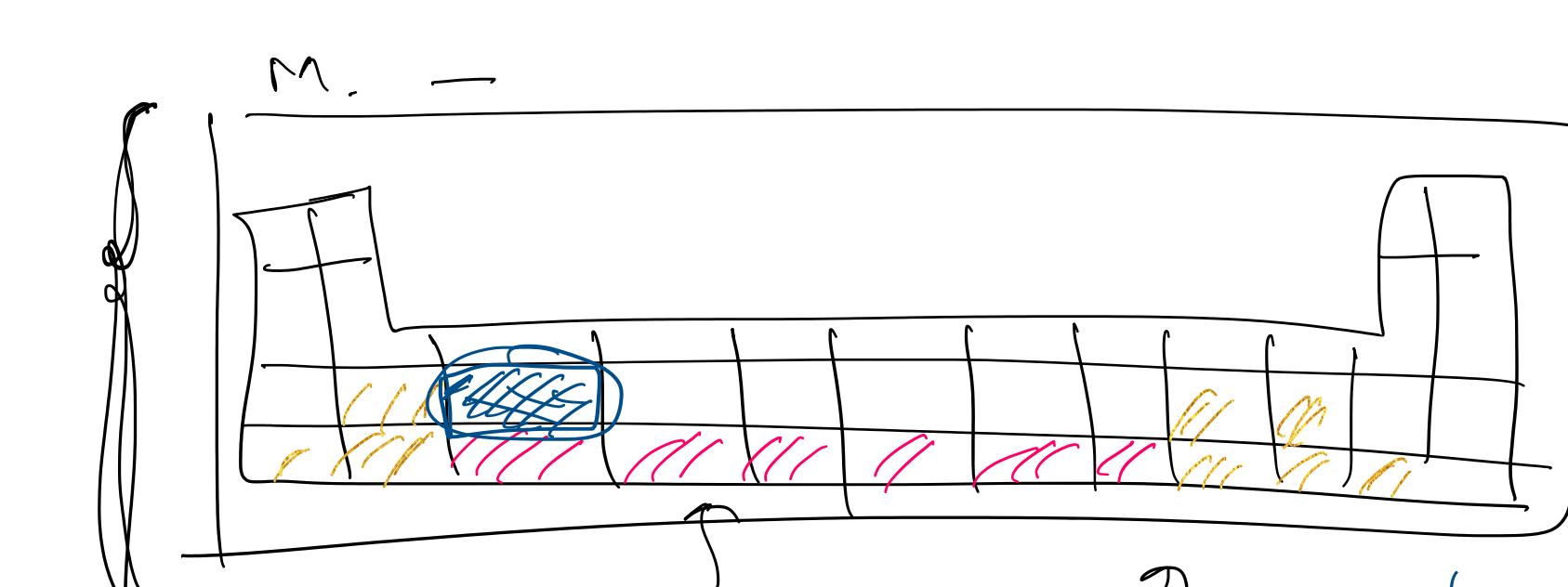
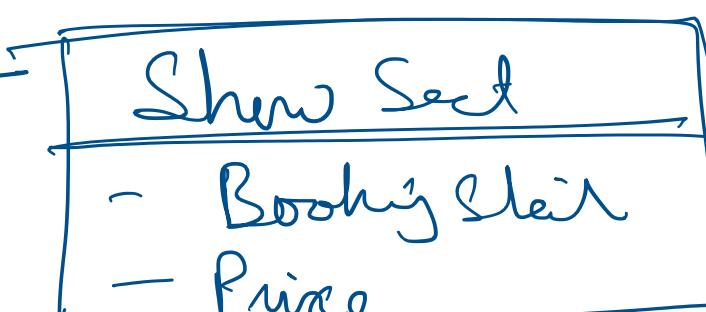
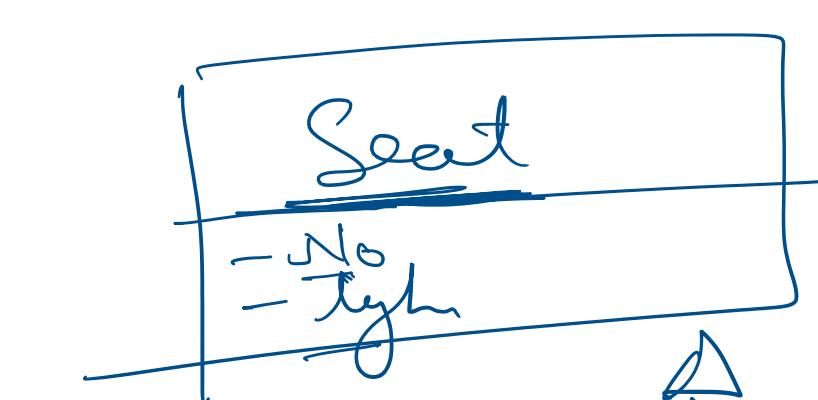
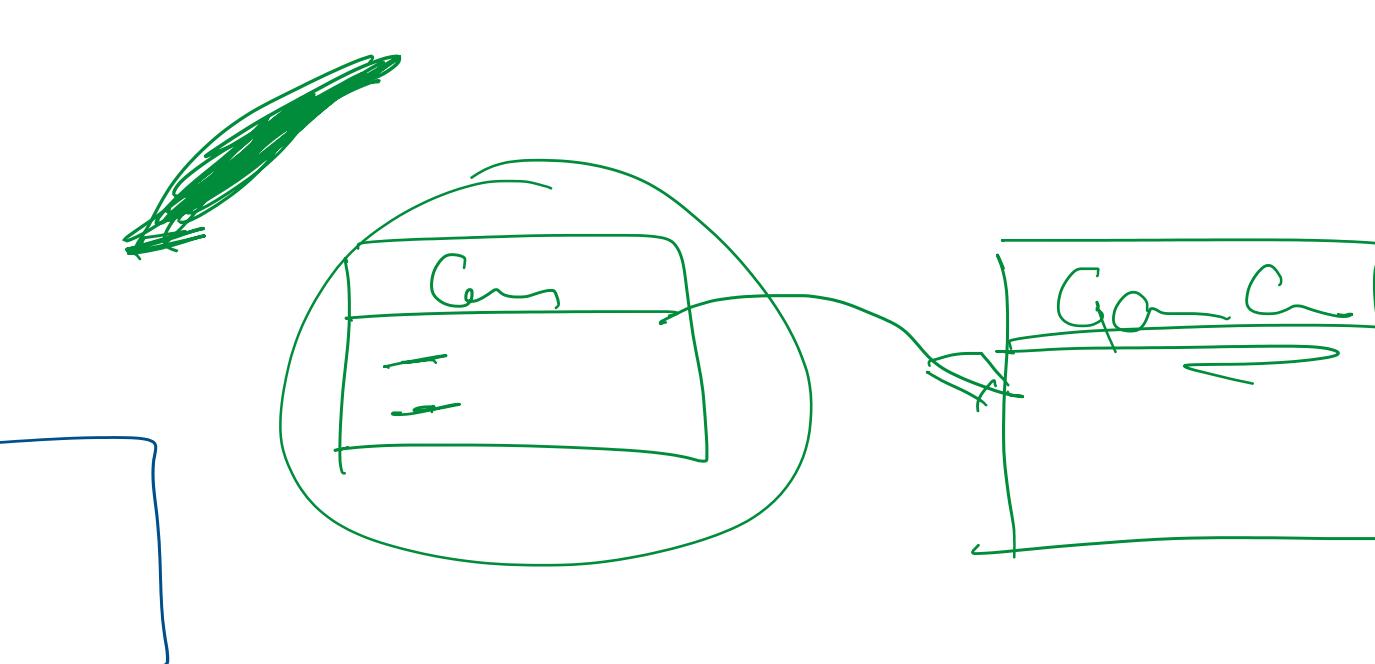
- Movie shr → $\frac{1}{2}$
- Aff shr → $\frac{1}{2}$
- Ex shr → $\frac{1}{2}$

- Seat type
A → a
a → b
b → c



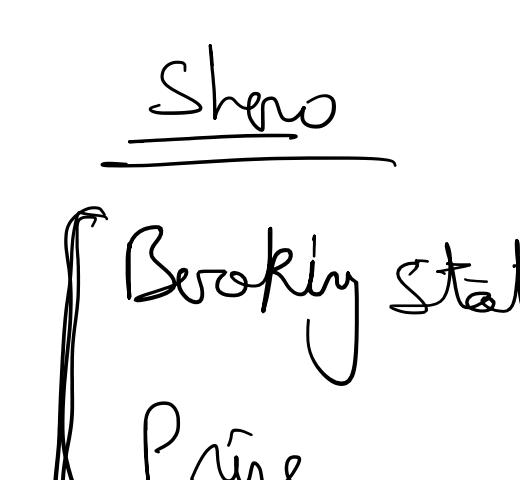
Relationships

- User
- Movie
- Cinema
- Booking
- Show



- Seat No
- Type of seat

Intrinsic



Extrinsic