

Book My Show

1) class BookMyShow {

list < cinemaHall > cinemaHall;

list < movie > getMovies (date, city);

list < cinemaHall > getHall (city);

}

2) class cinemaHall {

string name;

Address;

list < Audi > Audis;

map < date, Movie > getMovies (list < date >);

map < date, show > getShow (list < date >);

}

Address {

}

Audi {

string name;

int Id;

int total seat;

list < show > shows;

5)

Show {

int showId;

Movie movie;

Date Starttime;

Date Endtime;

CinemaHall cinemaHallplayed;

List <seat> seat;

}

6)

Seat {

int seatId;

seatType;

SeatStatus;

price;

}

7)

enum seatType { ECONOMY, DELUX, VIP };

8)

enum seatStatus { BOOKED, AVAILABLE, NOTAVAILABLE };

9)

Movie {

string Name;

MovieType type;

Date ReleaseDate;

Time Duration;

string language;

Map <string, List <show>> cityShowMap;

}

10) MovieType { SCI-FI, DRAMA, Action }
11) User {

Account account
int User Id

}

12) SystemMember extends User {

Booking makeBooking (Booking booking);
List <Booking> getAllBooking ();

}

13) Admin extends SystemMember {

bool AddMovie (Movie m);
bool AddShow (Show s);

}

14) Account {
User Name;
password }.

15) Search {
List <Movie> searchByName ();
" " language ();
" " type;
" " date ();

}

16)

Booking {

String bookingId;

Date booking date;

Show show;

Audi audi;

List <seat> seat;

double payment amount;

Booking Status;

Payment payobj;

boolean make payment (Payment);

}

17)

Payment {

amount;

payment Date;

transactionId;

payment status;

}

enum PaymentStatus { unpaid, pending, completed, cancelled, Refund }.

Pr: Booking Status { Pending, Confirmed, Cancelled }.