```java
public class BMSService  {

        List<CinemaHall> cinemas;

        public List<Movie> getMovies(Date date, String city);
        public List<CinemaHall> getCinemalHalls(String city);

}

public class CinemaHall {

        int cinemaHallId;
        String cinemaHallName;

        Address address;

        List<Audi>audiList;

        public Map<Date, Movies> getMovies(List<Date> dateList);
        public Map<Date, Show> getShows(List<Date> dateList);

}

public class Address {

        int pinCode; //ZipCode
        String street;
        String city;
        String state;
        String country;

}

public class Audi {

        int audiId;
        String audiName;
        int totalSeats;

        List<Show> shows;

}

public class Show {

        int showId;
        Movie movie;
        Date startTime;
        Date endTime;
        CinemaHall cinemaPlayedAt;
        List<Seat> seats;

}

public class Seat {

        int seatId;
        SeatType seatType;
        SeatStatus seatStatus;
        Double price;
```

```java
}

public enum SeatType {

        DELUX, VIP, ECONOMY, OTHER;

}

public enum SeatStatus {

        BOOKED, AVAILABLE, RESERVED, NOT_AVAILABLE;

}

public class Movie {

        String movieName;
        int movieId;
        int durationInMins;
        String language;
        Genre genre;
        Date releaseDate;
        Map<String, List<Show>> cityShowMap;

}

public enum Genre {

        SCI_FI, DRAMA, ROM_COM, FANTASY;
}

public class User {

        int userId;
        Search searchObj;

}

public class SystemMember extends User {

        Account account;
        String name;
        String email;
        Address address;

}


public class Member extends SystemMember {

        public Booking makeBooking(Booking booking);
        public List<Booking> getBooking();

}

public class Admin extends SystemMember {

        public boolean addMovie(Movie moivie);
        public boolean addShow(Show show);
```

```java
        }

public class Account {

        String userName;
        String password;

}

public class Search {

        public List<Movie> searchMoviesByNames(String name);
        public List<Movie> searchMoviesByGenre(Genre genre);
        public List<Movie> searchMoviesByLanguage(String language);
        public List<Movie> searchMoviesByDate(Date releaseDate);
}

public class Booking {

        String bookingId;
        Date bookingDate;
        Member member;
        Audi audi;
        Show show;
        BookingStatus bookingStatus;
        double totalAmount;
        List<Seat> seats;
        Payment paymentObj;

        public boolean makePayment(Payment payment);

}

public class Payment {

        double amount;
        Date paymentDate;
        int transactionId;
        PaymentStatus paymentStatus;

}

public enum BookingStatus {

        REQUESTED, PENDING, CONFIRMED, CANCELLED;
}

public enum PaymentStatus {

        UNPAID, PENDING, COMPLETED, DECLINED, CANCELLED, REFUNDED;

}
```