//movie ticket booking system

Enums :

public enum SeatStatus {

SEAT\_BOOKED,

SEAT\_NOT\_BOOKED;

}

public enum MovieStatus {

Movie\_Available,

Movie\_NotAvailable;

}

public enum MovieType {

ENGLISH,

HINDI;

}

public enum SeatType {

NORMAL,

EXECUTIVE,

PREMIUM,

VIP;

}

public enum PaymentStatus {

PAID,

UNPAID;

}

class User {

int userId;

String name;

Date dateOfBirth;

String mobNo;

String emailId;

String sex;

}

class Movie {

int movieId;

int theaterId;

MovieType movieType;

MovieStatus movieStatus;

}

class Theater {

int theaterId;

String theaterName;

Address address;

List<Movie> movies;

float rating;

}

class Booking {

int bookingId;

int userId;

int movieId;

List<Movie> bookedSeats;

int amount;

PaymentStatus status\_of\_payment;

Date booked\_date;

Time movie\_timing;

}

class Address {

String city;

String pinCode;

String state;

String streetNo;

String landmark;

}

Class SeatBook

{

Transaction transaction\_obj;

bool seats[total\_seats];

String place;

String ticketType;

bool check\_availability();

int position\_of\_seat()

{

return seat\_pos\_in\_theater;

}

void multiple tickets();

void final\_booking()

{

place = positon\_of\_seat();

if (single\_ticket)

continue;

else

mutliple\_ticket\_booking();

Transaction\_obj.pay(ticketType, seats\_booked, place);

}

}