E:\movie.java

```java
1
2  public enum SeatStatus {
3      SEAT_BOOKED,
4      SEAT_NOT_BOOKED;
5  }
6
7  public enum MovieStatus {
8      Movie_Available,
9      Movie_NotAvailable;
10 }
11
12 public enum MovieType {
13     ENGLISH,
14     HINDI;
15 }
16
17 public enum SeatType {
18     NORMAL,
19     EXECUTIVE,
20     PREMIUM,
21     VIP;
22 }
23
24 public enum PaymentStatus {
25     PAID,
26     UNPAID;
27 }
28
29 class User {
30
31     int userId;
32     String name;
33     Date dateOfBirth;
34     String mobNo;
35     String emailId;
36     String sex;
37 }
38
39 class Movie {
40
41     int movieId;
42     int theaterId;
43     MovieType movieType;
44     MovieStatus movieStatus;
45 }
46
47 class Theater {
48
49     int theaterId;
50     String theaterName;
51     Address address;
52
53     List<Movie> movies;
54     float rating;
```

```java
55  }
56
57  class Booking {
58      int bookingId;
59      int userId;
60      int movieId;
61      List<Movie> bookedSeats;
62      int amount;
63      PaymentStatus status_of_payment;
64      Date booked_date;
65      Time movie_timing;
66  }
67
68  class Address {
69
70      String city;
71      String pinCode;
72      String state;
73      String streetNo;
74      String landmark;
75  }
76  Class SeatBook
77  {
78      Transaction transaction_obj;
79      bool seats[total_seats];
80      String place;
81      String ticketType;
82
83      bool check_availability();
84
85      int  position_of_seat()
86      {
87          return seat_pos_in_theater;
88      }
89
90      void multiple tickets();
91
92      void final_booking()
93      {
94          place = positon_of_seat();
95          if (single_ticket)
96              continue;
97          else
98              mutliple_ticket_booking();
99
100         Transaction_obj.pay(ticketType, seats_booked, place);
101     }
102 }
103
```