**Entities Information:**

**User**

private String id;  
private String userName;  
private String email;  
private String password;  
private boolean gender; // true for Male, false for Female  
private String phoneNumber; // +92 so on  
private List<String> role; // ADMIN, ORGANIZER, CUSTOMER  
private List<String> bookings; // List of Booking IDs  
private Wallet wallet;

User has id, username, email, password, gender, phone number, roles list, bookings ids list and a personal Wallet

**Wallet**

public class Wallet {  
  
 private double balance;  
 private String currencyType;  
}

Wallet class has balance and currency Type

**Events**

public class Event {  
  
 @Id  
 private String id;  
 private String title;  
 private String description;  
 private Category category; // ENUM: MOVIE, CONCERT, SPORTS, FLIGHT  
 private String location;  
 private Date dateTime;  
 private List<Seat> seats;  
 private double basePrice;  
 private double rating;  
 private int totalSeats; // this field has getter and setter  
  
}

Events have id, title, description, category of Category class, location, date-time, seats list, base price of event, rating of event, total seats

**Category**

public enum Category {  
 *MOVIE*,  
 *CONCERT*,  
 *SPORTS*,  
 *FLIGHT*}

Category can be movie, concert, sports, flight

**Seat**

public class Seat {  
 private String seatNumber;  
 private boolean isAvailable;  
 private double price;  
}

A seat has seatNumber, seat status like is it available or booked and price of seat

**Booking**

public class Booking {  
 @Id  
 private String id;  
 private String userId;  
 private String eventId;  
 private List<Seat> seats;  
 private BookingStatus status; // ENUM: PENDING, CONFIRMED, CANCELLED  
 private Payment payment;  
 private Date createdAt;  
}

Booking class has its id, user id who is booking, event id that is being booked, total seats of event, status of booking either pending, confirmed or cancelled, Payment class object, Date of creation

**Booking Status**

public enum BookingStatus {  
 *PENDING*,  
 *CONFIRMED*,  
 *CANCELLED*}

Booking status is pending, confirmed and cancelled.

**Payment**

public class Payment {  
 private double amount;  
 private String method; // ENUM: CARD, PAYPAL, WALLET  
 private PaymentStatus status; // ENUM: SUCCESS, FAILED, PENDING  
 private Date timestamp;  
 private String userId;  
}

Payment class has amount, method, status of payment, payment time, and user id who is doing payment

**Payment Method**

public enum PaymentMethod {  
 *CARD*,  
 *WALLET*}

Payment method has two methods by card or wallet

**Payment status**

public enum PaymentStatus {  
 *SUCCESS*,  
 *FAILED*,  
 *PENDING*}

**Current Features:**

Admin can do crud on events

Admin can see bookings

Admin can see events

Customer can book tickets and cancel ticket

Customer can add and remove balance from his wallet

Customer can search and filter events

Customer can login and signup

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