Capstone Project Hotel Booking Management

1 ROAD MAP

Application will be developed in following

1. Spring Boot + Rest Controller + Spring Data Jpa

2 PROBLEM STATEMENT

To Create an Application for Hotel Booking Management System

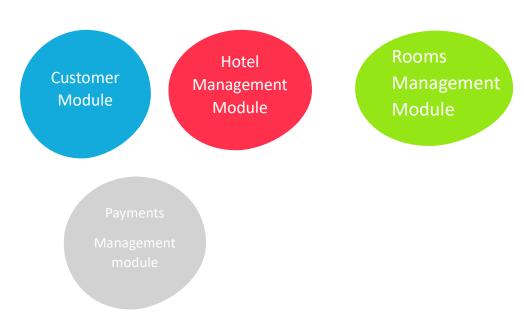
Customer should be able to perform below operations:

- Customer should be able to view the list of hotels, rooms available.
- Customer should be able to book the rooms of the hotel.

Admin should be able to perform below operations:

- 1.Hotel Management
 - add, update, delete, view hotels
- 2. Rooms management
 - add, update, delete, view rooms
- 3. Payments
 - accept and view the payments

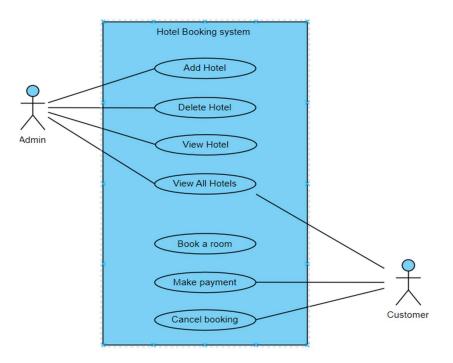
3 Modules



4 USE CASE DIAGRAM

Participants have to create use case diagram based on problem statement

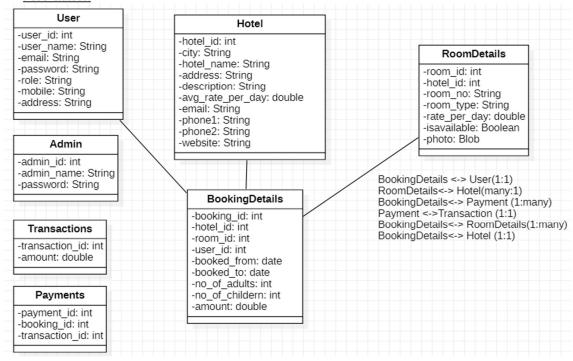
Sample use case diagram:



5 CLASS DIAGRAM

Class Design

POJO Classes:



Class Design Service Interface:

IHotelService IRoomDetailsService +addHotel(Hotel hotel): Hotel +addRoomDetails(RoomDetails roomDetails): RoomDetails +updateHotel(Hotel hotel): Hotel +updateRoomDetails(RoomDetails roomDetails): RoomDetails +removeHotel(Hotel hotel): Hotel +removeRoomDetails(RoomDetails roomDetails): RoomDetails +showAllHotels(): List<Hotel> +showAllRoomdetails(): List<Roomdetails> +showHotel(Hotel id): Hotel +showRoomdetails(RoomDetails id): RoomDetails **IBookingDetaialsService** +addBookingDetails(BookingDetails bookingdetails): BookingDetalis +updateBookingDetails(BookingDetails bookingdetails): BookingDetalis +removeBookingDetails(BookingDetails bookingdetails): BookingDetails **IAdminService** +showAllBookingDetails(BookingDetails bookingdetails): List-BookingDetails> +showBookingDetails(BookingDetails bookingdetails): BookingDetails +signIn(Admin admin): Admin +signOut(Admin admin): Admin **IUserService IPaymentService** +addUser(User user): User +addPayment(Payment payment): Payment +updateUser(User user): User +removeUser(User user): User +showAllUsers(): List<User> **ITransactionService** +showUser(User user): user +addTransaction(Transaaction transaction): Transaction

6 PROJECT DELIVERABLES

- 1. User stories based on the problem statement.
- 2. Use case Diagrams
- 3. Source code
- 4. Junit Testcases

Note:

You can feel free to add new features and create or update design diagrams if it is required.