**HOTEL RESERVATION APP**

**Software Requirements:-**

Jdk,Mongodb,Postman,STS,ChromeLatestVersionApp,junit5,mockito

**Hardware Requirements:-**

8GB ram, 512GB harddisk,above i5 processor version

**Synopsys:-**

Here , we have two major consumers of this application.one is the hotel side of the users and then there are the consumers who want to book the hotel. Here the two things are Hotel users and Customer. But here we have to develop a system on customer side I. e consumer. From a user standpoint, they should be able to search for a hotel in a particular location with a couple of search criteria. For example they might want to filter within a price range or some aspects of the hotel like a five star or a beach view or pool view etc. Customer should be able to book that hotel. Once customers have booked that hotel, they should be able to view their booking on the website. The customer should get a conformation/notification message on his registered mobile number or whatsapp or gmail that the booking is confirmed.

Here first user do the registration process after that if he wants to use that system then he can easily login by giving his basic details like username and password. If customer wants to book a room in hotel then first he can choose the location. We have many locations in those we have to choose one location. In next step user selects the hotel from the list of hotels. After selecting the hotel he needs to book the room. For that I took one micro service as RoomSelection. Here user books the room which type of he wants to book. Here different types of rooms available like single , double bedrooms like that. Now user selects the room and pay some money for that.

Here I took one micro service as a admin module. Admin is the creator of that hotel. He decides how many no of floors he has to construct, which type of room he wants to build like that admin do here. He creates all the things for building that hotel whatever the things needed by using that he builds that hotel.

**MicroServices:-**

->signup and login

->Admin module

->Location selection

->Hotel Selection

->Room selection

->ApiGateWay

**signup and login:-**

New users those who are firstly visited this site they can register by providing their basic personal details to signup into the site. If you are already registered in this system then you have to give your username and password then you can login to this system**.**

**Admin module:-**

In this admin module we have to do creation. We have to decide how many no of floors we have to took, put a name for hotel like that.

**Hotel Selection**:-

Firstly customer choose the hotels near to his location. For one location it suggests many number of hotels. Among all the hotels you have to select the hotel which you are liked.

**Room Selection:-**

After selecting the hotel, you have to select the rooms. We have seen different types of rooms generally like single bedroom, double bed room or bed room with haul. Among all these options you have to select the one which you like.

**Location Module:-**

Here first user selects the location in which he wants to book the hotel.

**Apigateway:-**

This Apigateway act as a security layer. If you want to get the view booking service then we have to get these details through apigateway easily and securely.

**Conclusion:-**

**This system is very useful without directly go to hotel we can easily book the room in the hotel through this app**

**Use case Diagram:-**

Location module

Login and signup

Hotel selection

Room selection

**Code coverage:**



