**REQUIREMENT ANALYSIS AND UNDERSTANDING**

**E-Commerce Solution For Hotel Booking**

**Objective**: This project is aimed at developing an E-Commerce Solution for Hotel Booking. This is a web based application that can be accessed over the web. This system can be used for adding new hotel, searching and managing the existing hotels and book a hotel as per the requirement. This is an integrated system that contains two user components, Admin component and Customer/Hotel Employee component.

**1.1 Login Module:**

Login module is common for all the users of the system ie. Admin, Customer and Hotel Employee.

Basic functionality of module is as follows:

1. Taking login credentials from the user.

2. If given credentials are wrong show appropriate message.

3. If login succeeds user will be navigated to their respective homepage as per the role.

**1.2 Registration Module:**

If a visitor wants to book a hotel room then he/she will be asked to register. And if the visitor is coming to website for first time he should sign up for getting his credentials.

Visitor will be asked to enter the following details for doing sign up:

1. Full Name
2. User Name
3. Password
4. Mobile Number
5. Address
6. Email ID
7. Phone Number

Note: If the username is already exists then the visitor will be asked to change the username.

**2.1 Search Hotel Module:**

Items can be viewed by registered user

* If a user (who is not logged in) directly wants to book hotel room then he/she will be redirected to the login page.
* If a user (who is already logged in) tries to book the search the Hotels in particular city and on the particular date then all the available hotels and hotel rooms are shown to the customer as per the customer’s requirement.
* Customer can continue to book hotels rooms if required.

**2.2 Book Hotel Room:**

* If a user (who is not logged in) directly wants to book hotel room then he/she will be redirected to the login page
* After Searching for the hotel if the customer wants to book that particular hotel room then hotel room will be booked after getting required details from the user and for other user it will not be shown as it was already booked till it is not available or made available by the administrator.

**2.3 View Booking Status Module:**

* This module can be used to get the booking status of the hotel room booked.
* Booking status is displayed as per the user’s input (if found).

**2.4 Exit Module:**

* This module is used to redirect user to Home Page for Login or sign-up again.

**3.1 Add Hotel Module:**

Admin will add a new Hotel. Admin will be asked to enter the following details:

1. Hotel Name
2. Hotel Description
3. Hotel Image
4. Hotel Average Rate Per Night
5. Hotel Type
6. Hotel Email Id

**3.2 Update Existing Hotel Module:**

Admin can update details of the Existing Hotel as per the requirement.

Admin will be asked to enter the details that he wants to change:

1. Hotel Name
2. Hotel Description
3. Hotel Image
4. Hotel Average Rate Per Night
5. Hotel Type
6. Hotel Email Id

**3.3 Add new Hotel Room Module:**

Admin will add a new room to the existing Hotel.

Admin will be asked to enter the following details:

1. Hotel Name
2. Room Number
3. Room Description
4. Room Image
5. Room Average Rate Per Night
6. Room Type
7. Hotel Email Id

**3.4 Update Existing Hotel Room Module:**

Admin can update details of the Existing Hotel Room as per the requirement.

Admin will be asked to enter the details that he wants to change:

1. Hotel Name
2. Room Number
3. Room Description
4. Room Image
5. Room Average Rate Per Night
6. Room Type
7. Hotel Email Id

**3.5 Delete a Hotel**

* Admin can delete Hotel from Existing Hotel.
* Admin will be asked to enter the Hotel id that he wants to delete.

**3.6 Delete a Hotel Room**

* Admin can delete a particular Hotel Room from Existing Hotel.
* Admin will be asked to enter the Hotel id then the room id that he wants to delete.

**3.7 View all Bookings for particular Check IN and Check Out Date:**

* Admin will enter the date for which he wants the Booking List.

**3.8 View guest List for particular Hotel:**

* Admin will enter the hotel Id for which he wants the Guest List.

**3.9 View all Bookings for particular Hotel:**

* Admin will enter the Hotel Id for which he wants the Booking List.

**4.1 Added functionalities**

* Welcome message along with user’s name is displayed after successful login on the Homepage.
* Change password functionality is provided.
* Option for user to register directly from Homepage.