

UI Hotel

Hotel Room Booking System

The hotel booking system is a web application that handles the room bookings of customers for any hotel. There is an option to choose from wide range of rooms like standard, suite, deluxe etc. This is also flexible in the type of IDs required for any guest (in this application addressed as customers), they can choose to provide any ID from the list of accepted identity types. The other obvious features in such a system are the features of room availability and making a booking for the customers as per the availability.

The intended user communities of this application will be the administration of the hotel along with the managers and the receptionist (each of their roles will be explained further). The administrative user will have the ability to create room types, ID types accepted and room options in the hotel. The manager can add customers by verifying their ID, create availability of rooms and bookings for customers. The receptionist will only be able to view all features that will assist them in successfully checking in and out the customers to their hotel.

User groups:

Username/ Group	Active	Staff	Superuser	Group hi_user	Group Hi_manager	Group hi_admin
tester	X	X	X			
admin	X	X				X
manager	X	X			X	
receptionist	X			X		

User groups permissions:

Permission/Group	hi_user	hi_manager	hi_admin	SuperUser
Room Type				
View	X	X	X	X
Add, Change and Delete			X	X
Identity Type				
View	X	X	X	X
Add, Change and Delete			X	X

Room				
View	X	X	X	X
Add, Change and Delete			X	X
Customer				
View	X	X	X	X
Add, Change and Delete		X		X
Availability				
View	X	X	X	X
Add, Change and Delete		X		X
Booking				
View	X	X	X	X
Add, Change and Delete		X		X

List of users with their credentials:

Username: tester

Password: {iSchoolUI}

tester is a superuser who has access to all the CRUD operations in the application and also has the ability to create new users for the system and assigning them to their groups.

Username: admin

Password: {iSchoolUI}

This user is the administrator for the hotel who has the ability to add room types (change and delete too) available at the hotel and also the IDs that can be accepted for customers. Admin user will also be responsible for adding (change and delete too) all rooms in the hotel (which includes the room number and the room type). This user can only view the customers, availability of rooms and bookings made for customers.

Username: manager

Password: {iSchoolUI}

Manager can add customers (change and delete too) by selecting their ID type and also verifying it. They are also responsible for adding (change and delete too) room availability and manage bookings for the customers with their interested rooms at the hotel. This user can however only view the room types, identity types and rooms at the hotel.

Username: receptionist

Password: {iSchoolUI}

The receptionist has a very simple where they can only view the rooms and availabilities for customers along with the customers themselves, room types and identity types. The primary responsibility of this user is to assist the customers in checking in and out of the hotel along with helping with making bookings for customers who do not have advance bookings.

Description of the flow of application:

The admin can first log in to the system and add room types, identity types accepted and the rooms at the hotel. Once, the admin's job is done the manager can later manage the customers info, making new availability of rooms and managing the bookings for customers. The later stages will be the receptionist using the booking information or any information available in the system for verification and assist the guests/customers in getting checked in in or out of the hotel.