ONLINE HOTEL BOOKING SYSTEM

-TEAM-5

Project Purpose

The purpose of an online booking system is to allow potential customers to self-book and pay through your website, securely store customer's data, manage your staff and keep your business running long after you've gone home for the day. And that just scratches the surface. An online booking system is so much more than just a piece of software that reserves an appointment with your business.

Here are the purposes for online hotel booking system:

•Keep your business running 24/7
•Security
•Relieve your employees
•Customer experience
•Organization.

Overview

➢ This Application provides a computerized and automated version of Hotel Booking Management System which will benefit the hotel companies and their users.

➢ It makes entire process online and can generate reports. It has a facility of user's login where users can view their booking details.

➢ The Application was designed in such a way that future changes can be done easily. The following conclusions can be deduced from the development of the project.

➢ Automation of the entire system improves the productivity.

- It gives appropriate access to the authorized users depending on their permissions.

- It effectively overcomes the dIt provides a friendly graphical user interface which proves to be better when compared to the existing system.

- Delay in communications.

- Updating of information becomes so easier.

- System security, data security and reliability are the striking features.

- The System has adequate scope for modification in future if it is necessary.

Abstract

The aim of 'Online Hotel Booking System' is to automate its existing manual system by the help of computerized equipment and full-fledge computer software, fulfilling their requirements so that their valuable date can be stored for a longer period with easy accessing and manipulation of the same. Basically, the project describes how to handle good performance and provide better services to clients. This project can lead to error free, secure, reliable and fast management system. This system will help the organization in better utilization of resources.

Software Requirements Specifications

Functional Requirements

User Module

1. Home: It is a welcome page for users.

2. About: It is a about us page of website.

3. Services: In this section, users can view services provided by organization.

4. Room: In this section, user can view details of room which is available in the hotel.

5. Gallery: In this section, user can view gallery of hotel.

6. Book Room: In this section, user can book the hotel room by registered himself with hotels.

7. Contact: It is a contact us page where users can send the queries to hotel.

8. Sign Up: Users can register through sign up page.

9. Login: It is login page.

10. My Account: After registration user can have their own account where he/she can update profile, change password, recover password and view booking details of hotel room.

Admin Module

1. Home: In this section, admin can briefly view the total new booking, approved booking, Cancelled Booking, Total Registered users, total read enquires and total unread enquires.

2. Room Category: In this section, admin can manage category (add/delete).

3. New Room: In this section, admin can manage rooms(add/update).

4. Page: In this section, admin can manage about us and contact us pages.

5. Booking: In this section, admin can view new, approved, canceled bookings and give a remarks.

6. Reg Users: In this section, admin can view the detail of registered users.

7. Enquiry: In this section, admin can view and maintain the enquiry.

8. Search: In this section, admin can search enquiry and booking details with the help of his/her mobile number and booking number, respectively.

9. Reports: In this section admin can view the enquiry details and check booking details in a particular period.

Admin can also update his profile, change the password and recover the password.

Non-Functional Requirements

Safety Requirements

There are several user levels in online Hotel booking System. Access to the various subsystems will be protected by a user login screen that requires a username and a password. This gives view and accessible functions of user level through the system.

Security Requirements

Customer Service representatives, managers and owner will be able to log in to the online Hotel booking System. Customer Service representatives will have access to the Reservation/Booking and subsystems. Managers will have the access of management system as well as the reservation/booking subsystems. Owner has the maximum privilege to all sub systems. Access to the various subsystems will be protected by a user log in screen that requires a username and password.

General Requirement Questions

➢ Why do you prefer online hotel booking system over offline hotel booking system?

Online hotel booking system is much easier compared to offline. For all those who have time constraints and are busy with other works. It is also preferred by the people who live in remote localities.

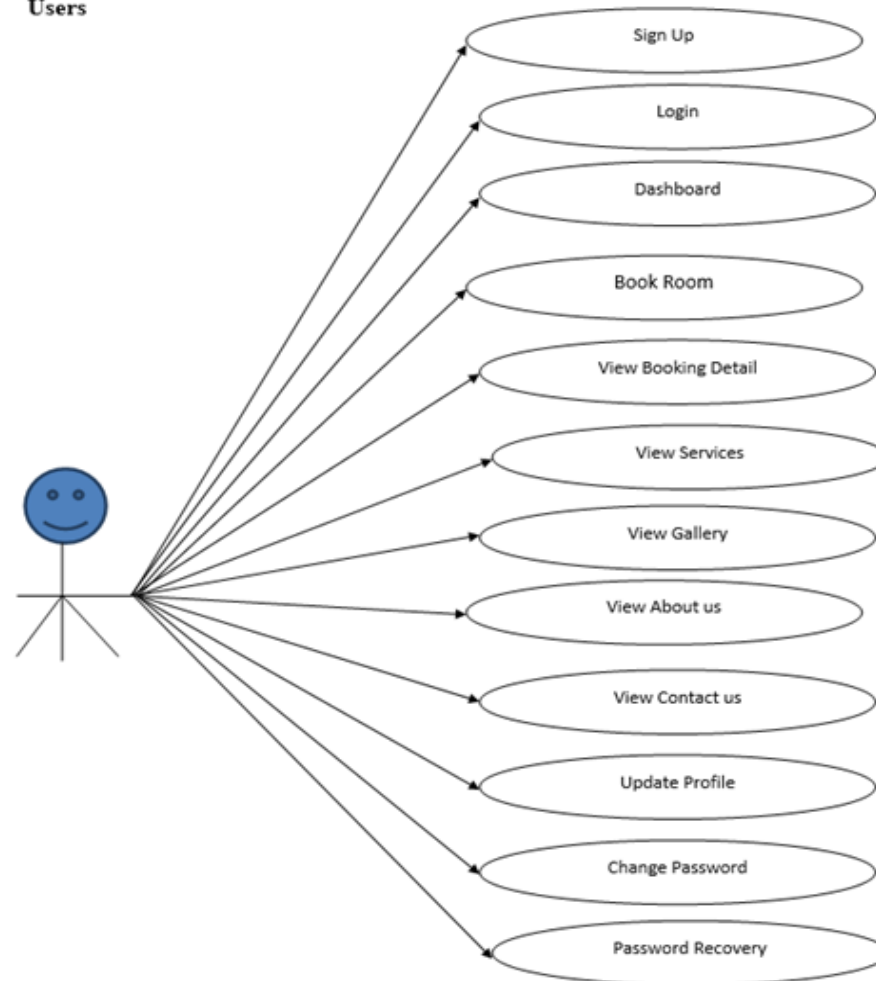➢ What are you views about refund?

Customer can get the refund if they cancel their booking before one day from their selected date otherwise no refund is possible.

➢ What are the features are important to you regarding customer information?

The reviews and feedback given by the customers can be used to remove the backdrops and improve the business.
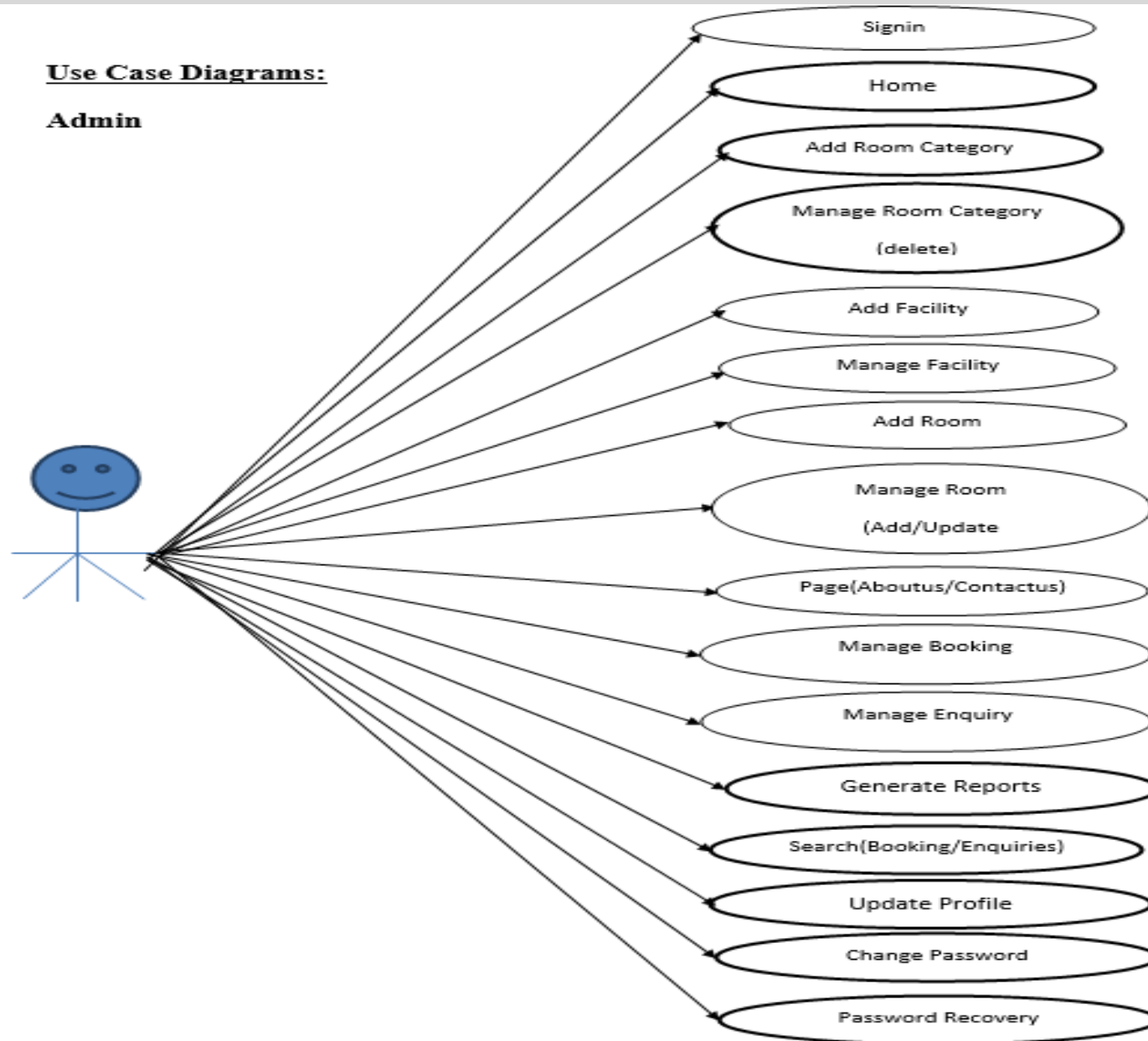
Use Case Diagram

Users

Use Case Diagrams:

Admin

- Signin
- Home
- Add Room Category
- Manage Room Category (delete)
- Add Facility
- Manage Facility
- Add Room
- Manage Room (Add/Update
- Page(Aboutus/Contactus)
- Manage Booking
- Manage Enquiry
- Generate Reports
- Search(Booking/Enquiries)
- Update Profile
- Change Password
- Password Recovery

hbmsdb tblcontact

- ⚷ ID : int(10)
- ⊟ Name : varchar(200)
- # MobileNumber : bigint(10)
- ⊟ Email : varchar(200)
- ⊟ Message : mediumtext
- ▣ EnquiryDate : timestamp
- # IsRead : int(5)

hbmsdb tbladmin

- ⚷ ID : int(10)
- ⊟ AdminName : varchar(120)
- ⊟ UserName : varchar(200)
- # MobileNumber : bigint(10)
- ⊟ Email : varchar(200)
- ⊟ Password : varchar(200)
- ▣ AdminRegdate : timestamp

hbmsdb tbluser

- ⚷ ID : int(10)
- ⊟ FullName : varchar(200)
- # MobileNumber : bigint(10)
- ⊟ Email : varchar(120)
- ⊟ Password : varchar(120)
- ▣ RegDate : timestamp

hbmsdb tblroom

- ⚷ ID : int(10)
- # RoomType : int(10)
- ⊟ RoomName : varchar(200)
- # MaxAdult : int(5)
- # MaxChild : int(5)
- ⊟ RoomDesc : mediumtext
- # NoofBed : int(5)
- ⊟ Image : varchar(200)
- ⊟ RoomFacility : varchar(200)
- ▣ CreationDate : timestamp

hbmsdb tblbooking

- ⚷ ID : int(10)
- # RoomType : int(5)
- ⊟ BookingNumber : varchar(120)
- # UserID : int(5)
- ⊟ Name : varchar(200)
- # MobileNumber : bigint(10)
- ⊟ Email : varchar(200)
- ⊟ IDType : varchar(120)
- ⊟ Gender : varchar(50)
- ⊟ Address : mediumtext
- ⊟ CheckinDate : varchar(200)
- ⊟ CheckoutDate : varchar(200)
- ▣ BookingDate : timestamp
- ⊟ Remark : varchar(50)
- ⊟ Status : varchar(50)
- ▣ UpdationDate : timestamp

hbmsdb tblfacility

- ⚷ ID : int(10)
- ⊟ FacilityTitle : varchar(200)
- ⊟ Description : mediumtext
- ⊟ Image : varchar(200)
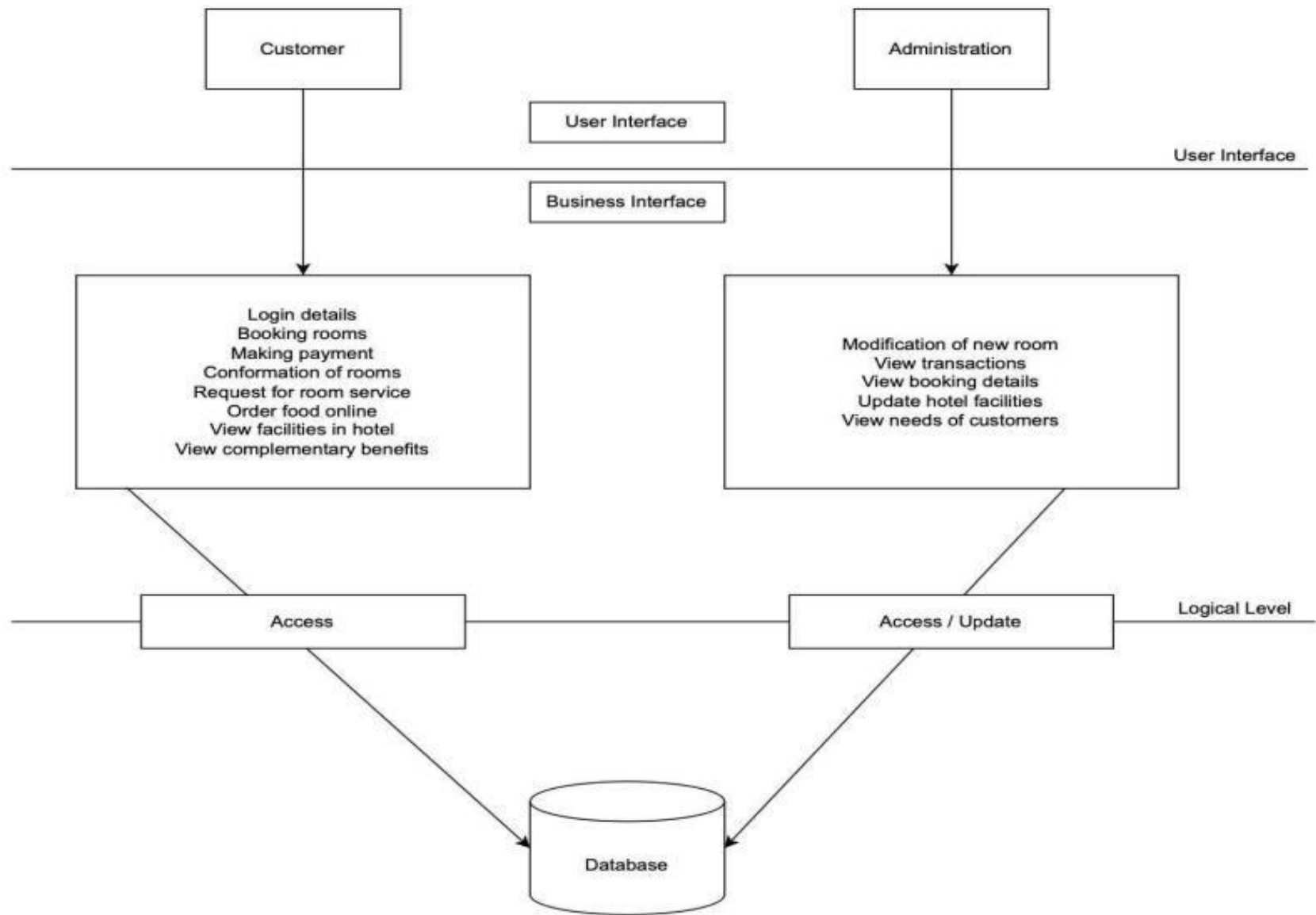- ▣ CreationDate : timestamp

hbmsdb tblpage

- ⚷ ID : int(10)
- ⊟ PageType : varchar(120)
- ⊟ PageTitle : varchar(200)
- ⊟ PageDescription : mediumtext
- ⊟ Email : varchar(120)
- # MobileNumber : bigint(10)
- ▣ UpdationDate : timestamp

hbmsdb tblcategory

- ⚷ ID : int(10)
- ⊟ CategoryName : varchar(120)
- ⊟ Description : mediumtext
- # Price : int(5)
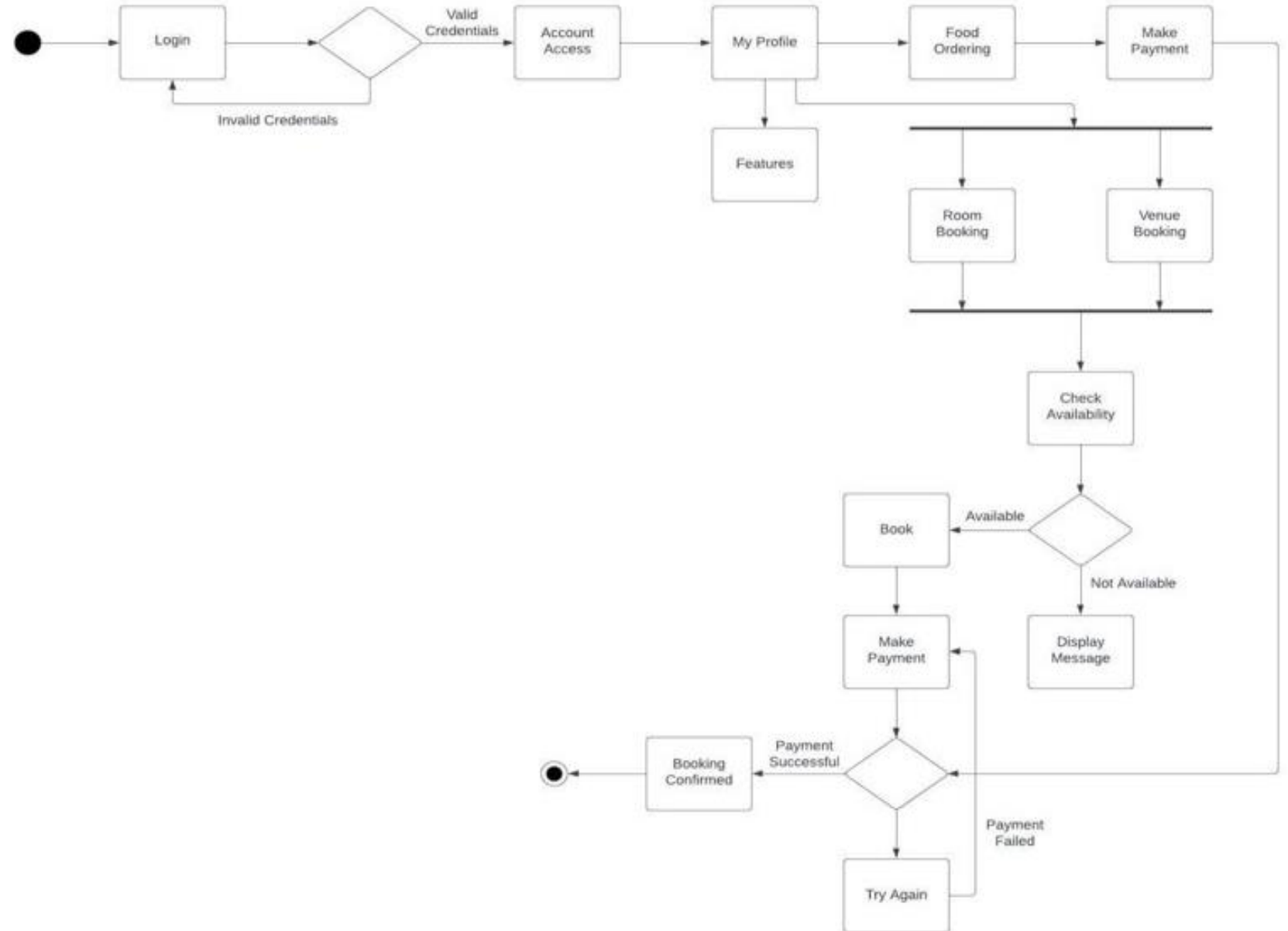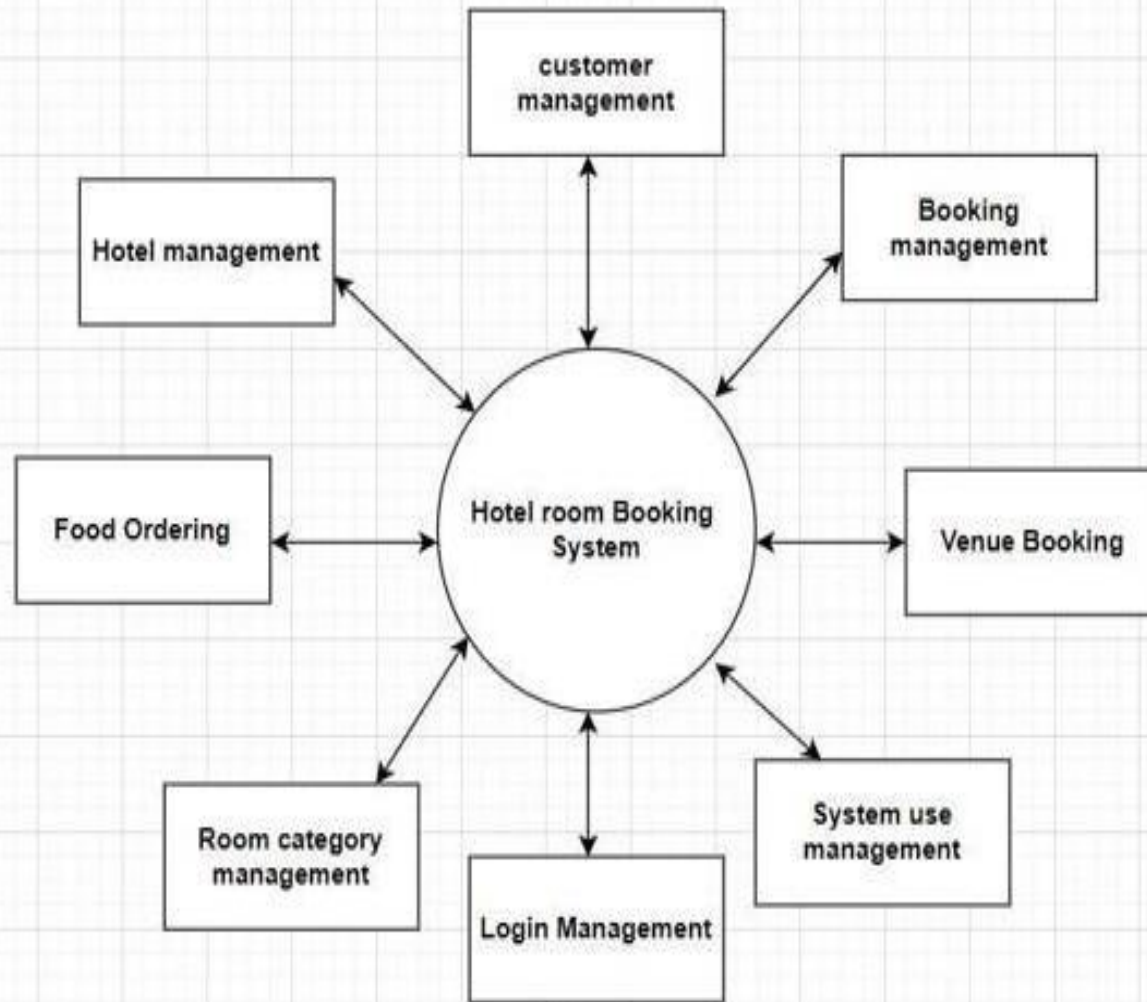- ▣ Date : timestamp

Class Diagram

ER Diagram
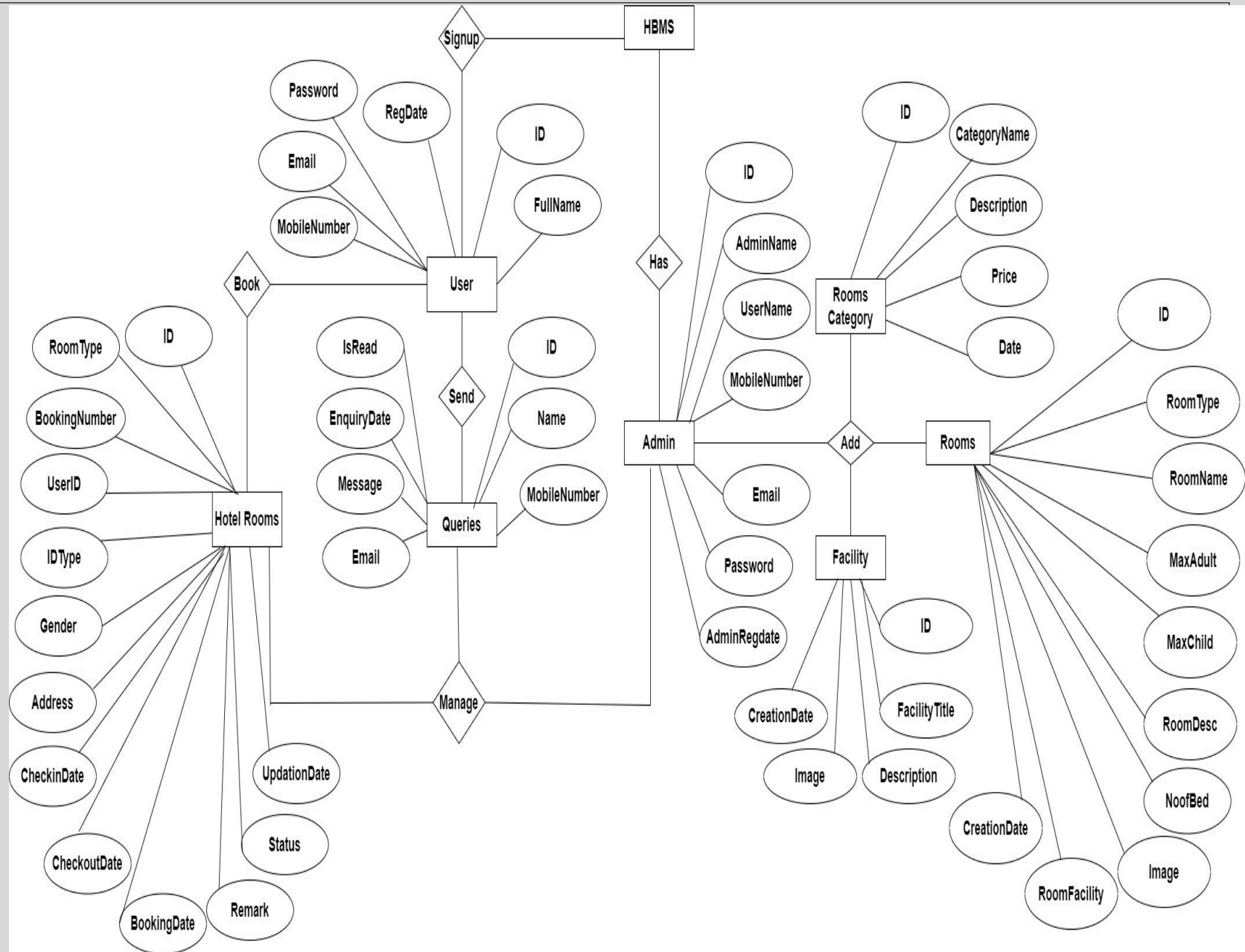
Activity Diagram

DFD DIAGRAM

Test Cases

Iteration 1:

Test scenario	Test data	Expected result	Test results
Log In (admin)	Username: admin Password: Test@123	Successfully logged in and directed to admin page	passed
	Username: admi Password: Test@1234	Invalid details	failed
	Username: admin Password: Test@12	Invalid details	failed
	Username: admi Password: Test@123	Invalid details	failed
Log In (user)	Username: valid Password: valid	Successfully logged in and directed to home page	Login failed
	Username: invalid Password: invalid	Invalid details	failed
	Username: valid Password: invalid	Invalid details	failed
	Username: invalid Password: valid	Invalid details	failed
sign up	Full name: must be alphabets Mobile number: must be integers Email address: @ gmail.com is compulsory Password : must be any type	You have successfully signed in	passed
	Full name: must be alphabets Mobile number: must be integers Email address: @ gmail.com is not there Password : must be any type	Enter valid details	failed
Booking rooms	Check in date: 19-10-2022 Check out date: 21-10-2022	Your room has been book successfully. Booking Number is given	passed
	Check in date: 19-10-2022 Check out date: 10-10-2022	Check out date must be equal to / greater than check in date	Passed with wrong dates
Search booking	Enter your booking number: If valid number is given	Details will be displayed	passed

		No records found	failed
	Enter your booking number: If it is not a valid number		
Search enquiry	Enter your mobile number: if it is Valid mobile number	Information will be displayed below	passed
	Enter your mobile number: if it is invalid mobile number	no record found against this search	failed
Add room	If any of the options are empty	Fill the required information	failed
	If all the options are filled	Successfully room added	Room not added
Reports	From date: choose date To date: choose date	If there are any records found then it will be displayed	passed
		If there are no records found then it will be empty	failed
CAB BOOKING	Form location: any location is given To location: any location is given	Cabs available	passed
	Form location to location: if location not specified	Specify a location	failed

Iteration 2:

Test scenario	Test data	Expected result	Test results
Log In (admin)	Username: admin Password: Test@123	Successfully logged in and directed to admin page	Login Failed
	Username: admi Password: Test@1234	Invalid details	failed
	Username: admin Password: Test@12	Invalid details	failed
	Username: admi Password: Test@123	Invalid details	failed
Log In (user)	Username: valid Password: valid	Successfully logged in and directed to home page	passed
	Username: invalid Password: invalid	Invalid details	failed
	Username: valid Password: invalid	Invalid details	failed
	Username: invalid Password: valid	Invalid details	failed
sign up	Full name: must be alphabets Mobile number: must be integers Email address: @ gmail.com is compulsory Password : must be any type	You have successfully signed in	passed
	Full name: must be alphabets Mobile number: must be integers Email address: @ gmail.com is not there Password : must be any type	Enter valid details	failed
Booking rooms	Check in date: 19-10-2022 Check out date: 21-10-2022	Your room has been book successfully. Booking Number is given	Failed to book room
	Check in date: 19-10-2022 Check out date: 10-10-2022	Check out date must be equal to / greater than check in date	failed
Search booking	Enter your booking number: If valid number is given	Details will be displayed	passed

	Enter your booking number: If it is not a valid number	No records found	failed
Search enquiry	Enter your mobile number: if it is Valid mobile number	Information will be displayed below	passed
	Enter your mobile number: if it is invalid mobile number	no record found against this search	failed
Add room	If any of the options are empty	Fill the required information	Add room sucessfull
	If all the options are filled	Successfully room added	passed
Reports	From date: choose date To date: choose date	If there are any records found then it will be displayed	passed
		If there are no records found then it will be empty	failed
CAB BOOKING	Form location: any location is given To location: any location is given	Cabs available	passed
	Form location to location: if location not specified	Specify a location	failed

Iteration 3:

Test scenario	Test data	Expected result	Test results
Log In (admin)	Username: admin Password: Test@123	Successfully logged in and directed to admin page	passed
	Username: admi Password: Test@1234	Invalid details	failed
	Username: admin Password: Test@12	Invalid details	failed
	Username: admi Password: Test@123	Invalid details	failed
Log In (user)	Username: valid Password: valid	Successfully logged in and directed to home page	passed
	Username: invalid Password: invalid	Invalid details	failed
	Username: valid Password: invalid	Invalid details	failed
	Username: invalid Password: valid	Invalid details	failed
sign up	Full name: must be alphabets Mobile number: must be integers Email address: @ gmail.com is compulsory Password : must be any type	You have successfully signed in	passed
	Full name: must be alphabets Mobile number: must be integers Email address: @ gmail.com is not there Password : must be any type	Enter valid details	failed
Booking rooms	Check in date: 19-10-2022 Check out date: 21-10-2022	Your room has been book successfully. Booking Number is given	passed
	Check in date: 19-10-2022 Check out date: 10-10-2022	Check out date must be equal to / greater than check in date	failed
Search booking	Enter your booking number: If valid number is given	Details will be displayed	passed

	Enter your booking number: If it is not a valid number	No records found	failed
Search enquiry	Enter your mobile number: if it is Valid mobile number	Information will be displayed below	passed
	Enter your mobile number: if it is invalid mobile number	no record found against this search	failed
Add room	If any of the options are empty	Fill the required information	failed
	If all the options are filled	Successfully room added	passed
Reports	From date: choose date To date: choose date	If there are any records found then it will be displayed	passed
		If there are no records found then it will be empty	failed
CAB BOOKING	Form location: any location is given To location: any location is given	Cabs available	passed
	Form location to location: if location not specified	Specify a location	failed

Implementation and System Testing

- After all phase have been perfectly done, the system will be implemented to the server and the system can be used.

System Testing

The goal of the system testing process was to determine all faults in our project. The program was subjected to a set of test inputs and many explanations were made and based on these explanations it will be decided whether the program behaves as expected or not. Our Project went through two levels of testing

- ➢ Unit testing
- ➢ Integration testing

HOME PAGE

Sign Up Page

Sign In Page

Gallery

Rooms Details

A single room is for one person and contains a single bed, and will usually be quite small.

Max Adult:1

Max Child:2

No of Beds:1

Room Facilities:24-Hour room service,Free wireless internet acces.

Price: 800

Book

Each room is equipped with satellite TV, minibar and a tea/coffee maker. Ironing facilities are provided in all rooms. Treebo Select Royal Garden offers a well-equipped business centre. Guests can make travel arrangements at the tour desk. Checkers Restaurant serves a variety of Indian, Chinese and Continental dishes.

Max Adult:1

Max Child:2

No of Beds:1

Room Facilities:24-Hour doctor on call

Price: 800

Book

Services

24-Hour Room Service
24-Hour room service available

Free Wireless Internet Access
Free wireless internet access available in room restro area

Laundry Service
Free Laundry service available for a customer who book queen and king size room

Tour & Excursions
vehicle are available for tour and travels

Airport Transfers
Airport transfers facility available on demand

Babysitting On Request
Babysitting on request

24-Hour Doctor On Call
24-Hour doctor on call

Meeting Facilities
Meeting facilities available for company person

HBMS

Home About Services Rooms ▾ Gallery Book Room Contact Admin Sign Up Login

Reset Your Password.

EMAIL ADDRESS
Email address

MOBILE NUMBER
Mobile Number

NEW PASSWORD
New Password

CONFIRM PASSWORD
Confirm Password

Signin

RESET

Hotel Booking Management Sytem

Please Sign In

Admin

...

☑ Keep me signed in

Sign In

Forgot Your Password

PROFILE | CHANGE PASSWORD | LOGOUT

Hotel Booking Management System

- 🏠 Home
- 🏢 Room Category ›
- 📦 Facility ›
- ✏️ New Room ›
- 📄 Page ›
- 📱 Booking ›
- 👥 Reg Users
- 📱 Enquiry ›
- 📄 Search ›
- 📦 Reports ›

NEW BOOKING

0

APPROVED BOOKING

1

CANCELLED BOOKING

0

REG USERS

1

READ ENQURIES

3

UNREAD ENQURIES

0

Hotel Booking Management System

- Home
- Room Category
- Facility
- New Room
- Page
- Booking
- Reg Users
- Enquiry
- Search
- Reports

Admin Profile

Admin Profile :

Admin Name
Test1

User Name
admin

Email
admin@gmail.com

Contact Number
5689784592

Admin Registration Date
2020-02-27 12:55:30

Submit

Hotel Booking Management System

- Home
- Room Category
- Facility
- New Room
- Page
- Booking
- Reg Users
- Enquiry
- Search
- Reports

Change Password

Change Password :

Current Password

New Password

Confirm Password

Change

Home
Room Category
Facility
New Room
Page
Booking
Reg Users
Enquiry
Search
Reports

Hotel Booking Management System

Add Category

Add Category :

Category Title

Description

Price

Add

Home
Room Category
Facility
New Room
Page
Booking
Reg Users
Enquiry
Search
Reports

Hotel Booking Management System

Manage Category

Manage Category

S.No	Category Name	Category Description	Creation Date	Action
1	Single Room	Only for one person	2020-02-28 12:13:55	Delete
2	Double Room	For Two Person	2020-02-28 12:14:55	Delete
3	Triple Room	A room assigned to three people. May have two or more beds.	2020-02-28 12:15:27	Delete
4	Quad Room	A room assigned to four people. May have two or more beds.	2020-02-28 12:15:56	Delete
5	Queen Room	A room with a queen-sized bed. May be occupied by one or more people	2020-02-28 12:16:30	Delete

First> Prev> Next> Last

Hotel Booking Management System

- Home
- Room Category
- Facility
- New Room
- Page
- Booking
- Reg Users
- Enquiry
- Search
- Reports

Manage Facility

Manage Facility

S.No	Facility Title	Description	Image	Creation Date	Action
1	24-Hour room service	24-Hour room service available		2020-02-28 17:20:59	Delete
2	Free wireless internet access	Free wireless internet access available in room restro area		2020-02-28 17:24:05	Delete
3	Laundry service	Free Laundry service available for a customer who book queen and king size room		2020-02-28 17:26:27	Delete
4	Tour & excursions	vehicle are available for tour and travels		2020-02-28 17:29:34	Delete
5	Airport transfers	Airport transfers facility available on demand		2020-02-28 17:31:12	Delete
6	Babysitting on request	Babysitting on request		2020-02-28 17:32:11	Delete
7	24-Hour doctor on call	24-Hour doctor on call		2020-02-28 17:33:45	Delete
8	Meeting facilities	Meeting facilities available for company person		2020-02-28 17:38:33	Delete

First>   Prev>   Next>   Last

Hotel Booking Management System

- Home
- Room Category
- Facility
- New Room
- Page
- Booking
- Reg Users
- Enquiry
- Search
- Reports

Add Room

Add Room

Room Type or Category

Choose Room Type ▾

Room Name

Max Adult

Max Child

Room Description

No. of Bed

Room Image

Choose File   No file chosen

Room Facility

Choose Room Facility
24-Hour room service
Free wireless internet access
Laundry service
Tour & excursions

Add

Hotel Booking Management System

Manage Room

Manage Room

S.No	Room Name	Description	Image	Creation Date	Action
1	Single Room for one person	A single room is for one person and contains a single bed, and will usually be quite small		2020-02-29 17:03:14	Edit
2	Double Room	A double room is a room intended for two people, usually a couple, to stay in. One person occupying a double room has to pay a supplement.		2020-02-29 17:05:47	Edit
3	triple room	A triple room is a hotel room that is made to comfortably accommodate three people. The triple room , simply called a triple, at times, may be configured with different bed sizes to ensure three hotel guests can be accommodated comfortably.		2020-02-29 17:13:58	Edit
4	Quad Room	A quad, when referring to hotel rooms, is a room that can accommodate four people. The quad room may be configured with different bed sizes to ensure four hotel guests can be accommodated comfortably:		2020-02-29 17:15:49	Edit
5	Queen Room	A room with a queen-size bed. It may be occupied by one or more people (Size: 153 x 203 cm). King:		2020-02-29 17:21:21	Edit
6	Single Room with Balcony	Each room is equipped with satellite TV, minibar and a tea/coffee maker. Ironing facilities are provided in all rooms. Treebo Select Royal Garden offers a well-equipped business centre. Guests can make travel arrangements at the tour desk. Checkers Restaurant serves a variety of Indian, Chinese and Continental dishes.		2020-03-01 12:58:12	Edit

First>   Prev>   Next>   Last

Hotel Booking Management System

Edit Room

Edit Room

Room Type or Category

1 ▾

Room Name

Single Room for one person

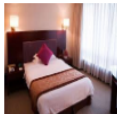**Max Adult**

1

Max Child

2

Room Description

A single room is for one person and contains a single bed, and will usually be quite small

No. of Bed

1

Room Image   Edit Image

Room Facility

24-Hour room service,Free wireless internet acces
24-Hour room service
Free wireless internet access
Laundry service

Update

Sidebar

- Home
- Room Category
- Facility
- New Room
- Page
- Booking
- Reg Users
- Enquiry
- Search
- Reports

Hotel Booking Management System

- Home
- Room Category
- Facility
- New Room
- Page
- Booking
- Reg Users
- Enquiry
- Search
- Reports

About Us

About Us

Page Title

About Us

Page Description

We have 72 comfortably equipped rooms, including two suites: The President Suite and the Ambassador Suite, with over one hundred metres of surface area, which are sure to awe even the most demanding Guests. We offer 7 rooms, where we have been preparing family and business meetings already for 15 years.

Update

Hotel Booking Management System

- Home
- Room Category
- Facility
- New Room
- Page
- Booking
- Reg Users
- Enquiry
- Search
- Reports

Contact Us

Contact Us

Page Title

Contact Us

Email

info@gmail.com

Mobile Number

8529631236

Page Description

D-204, Hole Town South West,Delhi-110096,India

Update

- Home
- Room Category ›
- Facility ›
- New Room ›
- Page ›
- Booking ›
- Reg Users
- Enquiry ›
- Search ›
- Reports ›

Hotel Booking Management System

View Booking

View Booking

Booking Number: 637366927

Booking Detail:

Customer Name	Sample	Mobile Number	4644654646
Email	sample@gmail.com	ID Type	Adhar Card
Gender	Female	Address	
Check in Date	2020-04-07	Check out Date	2020-04-10

Room Detail:

Room Type	Triple Room	Room Price(perday)	$1200
Room Name	triple room	Room Description	A triple room is a hotel room that is made to comfortably accommodate three people. The triple room , simply called a triple, at times, may be configured with different bed sizes to ensure three hotel guests can be accommodated comfortably.
Max Adult	4	Max Child	2
No.of Bed	3	Room Image	
Room Facility	24-Hour room service,Free wireless internet access,Laundry service,Babysitting on request,24-Hour doctor on call,Meeting facilities	Booking Date	2020-04-06 18:23:42

Admin Remarks:

Order Final Status	Not Response Yet	Admin Remark	Not Updated Yet

Take Action

Hotel Booking Management System

Booking Between Dates Report

Booking Between Dates Report :

From Date:

dd-mm-yyyy

To Date:

dd-mm-yyyy

Submit

🏠 Back Home!!!

Hotel Booking Management Sytem

Please Enter Required Info.

Email Address

Mobile Number

New Password

Confirm Password

Reset

Signin

Cab Booking System

Customer Info

Firstname	
Surname	
Address	
Postcode	
Telephone	
Mobile	
Email	

Booking Detail

Pickup	
Drop	
Pooling	1
☐ Base Charge *	0
☐ Distance(KMs) *	0
☐ Travelling Insurance *	0
☐ Extra Luggage	0

☐ Standard Cab   0   ☐ Single

☐ Ford Galaxy Cab   0   ☐ Return

☐ Ford Mondeo Cab   0   ☐ SpecialNeeds

Paid Tax	
Sub Total	
Total Cost	

Receipt

| Total | Receipt | Reset | Exit |

Future Scope

➢ **If the hotel constructs any new rooms in the future, the manager can add that room to the website easily**

➢ **If the hotel wants to provide a new facility for the customers, it can also be added to the website**

➢ **This website also provides the facility for the owner to change his or her contact details**

Team Members	Registration Number
Alapati Sai Harsha Vardhan	20BCE7401
Yarlagadda Lakshmi Akshay Kumar	20BCE7408
Bodinapalli Venkata Siva Sai Revanth	20BCE7403
Meka Rushikesh	20BCE7623
Mudadla Dharma Teja	20BCE7629
Sunkara Srikar	20BCE7052
Alagappan Sp	20BCE7211
Jovin Pallickal Thomas S	20BCD7060
B Sasi Preetham	20BCE7362
Talla Venu	20BCI7169

Thank You