

SOFTWARE REQUIREMENT SPECIFICATION

**SUBMITTED BY:
MOHAMMED ARIF**

ABSTRACT

This project aims at creating on ***Hotel Management System*** which can be used by Admin and Customers. The admin to advise/publish the availability of rooms in different hotels and customers are checking the availability of room in required hotel. Customers should be able to know the availability of the rooms on a particular date to reserve in hotel. They should be able to reserve the available rooms according to their need in advance to make their stay comfortable. The Admin hands the booking information of customers. The users can register and log into the system. The administrator will know the details of reservation and daily income. The hotel department maintain the seat availability and booking details in certain database. This project provides high security to Admin and user information.

MODULE DISCRIPTION

❖ ADMINISTRATION MODULE

Admin can publish the hotel details, availability of rooms in different hotels and also view the details of customers. Admin can add price list of hotels and see the given feedback of customers.

❖ USER/CUSTOMER MODULE

Customer are virtual part of system. customer have access to view the vacant rooms information and room price of hotels. They should be able to confirm the booking and cancel it if necessary. This module includes processes like customer login and registration and also give feedbacks.

❖ HOTEL STAFF MODULE

This module Provide the quality customer services like collect customer check-in and check-out details. Update vacant rooms details to admin.

HOME PAGE

The first page has a navigation bar that contains the following button.

- ❖ Home: Home button is used to view all updates of website like offers.
- ❖ About Us: Details about the administration.
- ❖ Contact Us: The contact details.
- ❖ Login/Sign Up: To login to your registered page /to sign up to the website.
- ❖ Booking: It's helps for hotel rooms booking.
- ❖ Review: Customer can write their experience in this section.
- ❖ Search: Search bar is used to easily access the whatever you want in this website.

REGISTRATION PAGE

The home page has a registration button. On clicking this button it will redirect to webpage for registering the user. The registration will have the following text boxes and save buttons

- ❖ **Full- Name:** To enter the name this can be alphabets.
- ❖ **Address:** To enter the full address of your in alphabets.
- ❖ **Profile picture:** To insert image in image field.
- ❖ **Date Of Birth:** To enter the date of birth, this should be a date.
- ❖ **Gender:** To enter the gender is either Male or Female as specified in the sex choice.
- ❖ **Age:** To enter the of the customer. It must be entirely numeric with a specified default value.
- ❖ **Email-id:** To enter the email id of the customer.
- ❖ **Pin code:** To enter the pin-code in numeric
- ❖ **Mobile-Number:** To enter the mobile number of customer. It must be 10 characters long.

- ❖ **Password:** To enter the Password. Password can be alphanumeric, can contain special characters and must be at least 8 characters in length.
- ❖ **Re-enter password:** To enter the password again to confirm the same given in password textbox.

LOGIN PAGE

All the users can login, the admin, staff and customers. When the admin login to the website then admin is redirected to admin page. When the staff does the login then they are redirected to staff form page and when the customer login then they will be redirected to home page after logging in and the customer can book the rooms there.

BOOKING PAGE

By selecting their destination, hotel and the desired date in home page after logging in, the user will be directed to the booking page. In the booking page the user can book the room to their desired destination in the desired hotel at affordable rates.

DATABASE DESIGN

1. REGISTRATION

SL.NO	FIELD NAME	DATATYPE	CONSTRAIN
1	CUSTOMER-ID	INT (20)	PRIMARY KEY AUTO INCREMENT
2	FULL-NAME	VARCHAR (20)	NOT NULL
4	USER-NAME	VARCHAR (20)	NOT NULL
5	PROFILE-PICTURE	IMAGE-FIELD	NOTNULL
6	AGE	INT (20)	NOT NULL
7	ADDRESS	VARCHAR (50)	NOT NULL
8	EMAIL-ID	VARCHAR (40)	NOT NULL
9	GENDER	VARCHAR (30)	NOT NULL
10	PIN-CODE	INT (20)	NOT NULL
11	MOBILE-NUMBER	INT (20)	NOT NULL
12	PASSWORD	VARCHAR (20)	NOT NULL
13	CONFIRM-PASSWORD	VARCHAR (20)	NOT NULL

2. BOOKING CHART

SL.NO	FIELD NAME	DATA TYPES	CONSTRAINT
1	BOOKING-ID	INT (20)	PRIMARY KEY/AUTO INCREMENT
2	CHECK-IN/CHECK-OUT DATE	DATE	NOTNULL
3	CHECK-IN/CHECK-OUT TIME	TIME	FOREIGN KEY
4	CUSTOMER-NAME	VARCHAR (20)	NOTNULL
5	CUSTOMER-ID	INT (20)	FOREIGN KEY
6	ID-PROOF TYPE	VARCHAR (20)	FOREIGN KEY (CARD TYPE)
7	ROOM TYPE	VARCHAR (30)	NOTNULL
8	TOTAL ROOMS BOOKED	INT (20)	NOTNULL
9	ADULT	INT (10)	NOT NULL
10	CHILDREN	INT (10)	NOT NULL
11	ROOM-ID	INT (10)	NOT NULL

3. HOTEL DETAILS

SL.NO	FIELD NAME	DATA TYPES
1	HOTEL NAME	VARCHAR (20)
2	ROOM TYPES	VARCHAR (40)
3	ROOM-ID	INT (20)
4	ROOM TYPE NAME (VIEW)	VARCHAR (30)
5	STATUS	VARCHAR (20)

4. ROOM TYPE

SL.NO	FIELD NAME	DATA TYPES	CONSTRAINT
1	ROOM TYPE	VARCHAR (20)	PRIMARY KEY
2	ROOM TYPE NAME (VIEW)	VARCHAR (40)	NOTNULL

5. PAYMENT

SL.NO	FIELD NAME	DATA TYPES	CONSTRAINT
1	PAYMENT-ID	INT (20)	NOTNULL
2	CUSTOMER-ID	INT (10)	NOTNULL
3	BOOKING-ID	INT (10)	NOTNULL
4	FULL-NAME	VARCHAR (30)	NOTNULL
5	PAYMENT YPE	VARCAHR (30)	NOTNULL
6	HOTEL NAME	VARCHAR (30)	NOTNUL
7	ROOM TYPE	VARCHAR (30)	NOTNULL

6. FEEDBACK

SL.NO	FIELD NAME	DATA TYPES	CONSTRAINT
1	CUSTOMER-ID	INT (20)	PRIMARY KEY/AUTO INCREMENT
2	FEEDBACK	VARCHAR (40)	NOTNULL
3	REPLY	VARCHAR (30)	NOTNULL

