



*PROJECT REPORT ON  
RESTAURANT MANAGEMENT SYSTEM*

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**Desu Yasaswini**

yasaswini\_desu@srmap.edu.in

AP19110010008

Bachelors of Computer Science and Technology  
SRM University, Andhra Pradesh  
Course: Web Technology and DBMS

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## **Project Title:**

This website gives us a brief idea about the restaurant. We can go through the menu and the special items with their prices respectively. It also provides an opportunity to book a table for the user's meeting/ party/ get-together etc., in advance and can also book a restaurant room in advance.

## **Objective:**

The main objective of developing this project is to handle all the basic necessities of a restaurant. As discussed above, it can save the time of customers in many ways. Using this system, we can find customers' desires easily and its paperless system reduces the workload. Once the customers fill the form, the data will be stored in the database and the administrator will have the access to it. The data will be saved in the database with complete security and the customer can directly visit the restaurant based on the date and time they reserved.

## **Abstract:**

This report is conducted in order to set the foundation for the final project. The title of the project is “**Restaurant Management System**”.

The main objective of this project is to explore the opportunities, challenges and the conditions that could lead in building a successful Android application. The simplicity and ease of accessing the menu and booking a table or a room makes it easier for the diners to flip, swipe and tap through the menu. We here aim to provide the menu, rooms and table-bookings which are highly recommended by many national and international restaurants.

## **Software Requirements:**

- Operating System: Windows XP/7/8/10
- Frontend: HTML, CSS, JavaScript
- Middleware: PHP
- Database: MySQL

## **Hardware Requirements:**

- RAM: 256 MB or more
- Processor: Pentium IV or higher

## **Algorithm:**

This web based application provides the user with the following:

**Step-1:** The homepage appears with the hyperlinks to all other pages

**Step-2:** The user can see the menu along with the prices in the web page.

**Step-3:** They can book a room using table-booking form

**Step-4:** In the next hyperlink the user can have a look on the greatest chefs associated with the restaurant.

**Step-5:** The user can book a room using a Room-reservation web page.

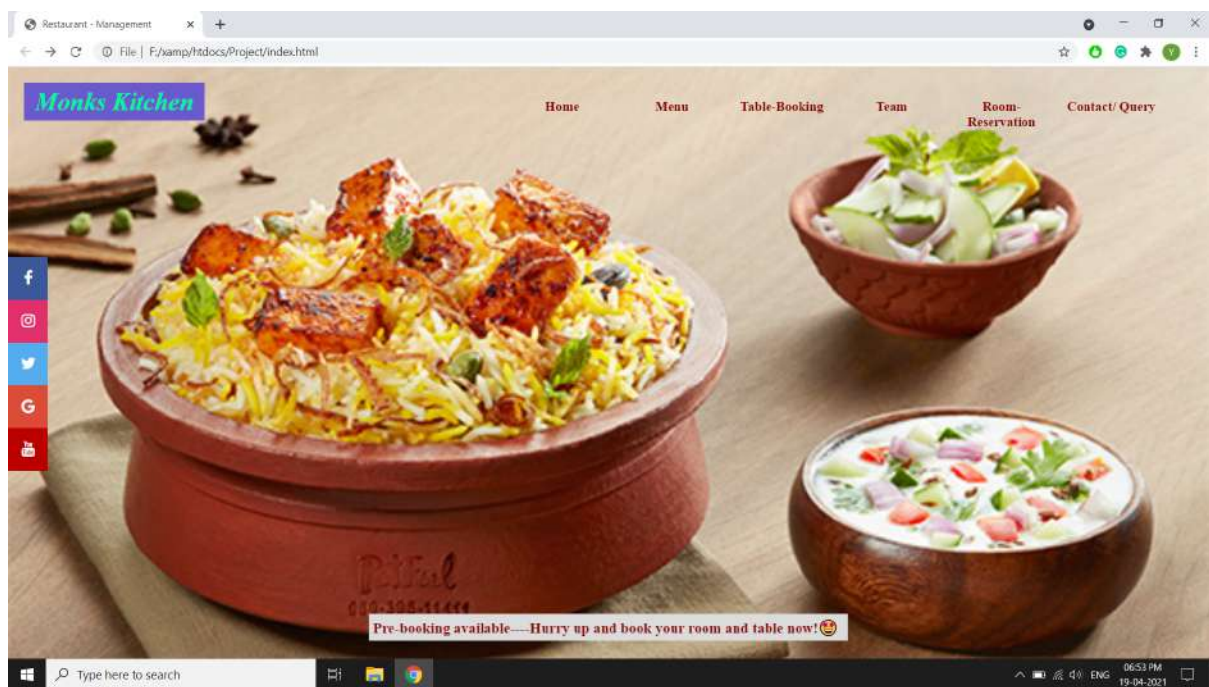
**Step-6:** And in the last hyperlink, the user can either contact us or ask queries according to their requirements.

**Step-7:** The details entered in the form will be automated to the database as soon as the customer clicks the submit button.

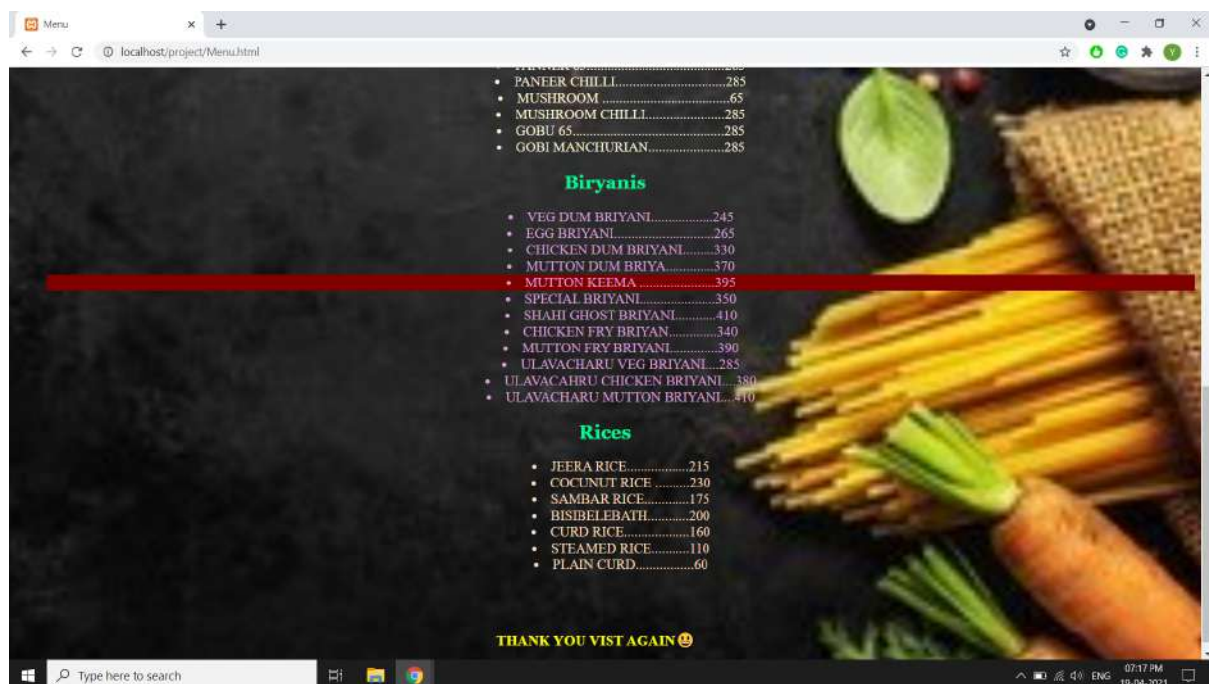
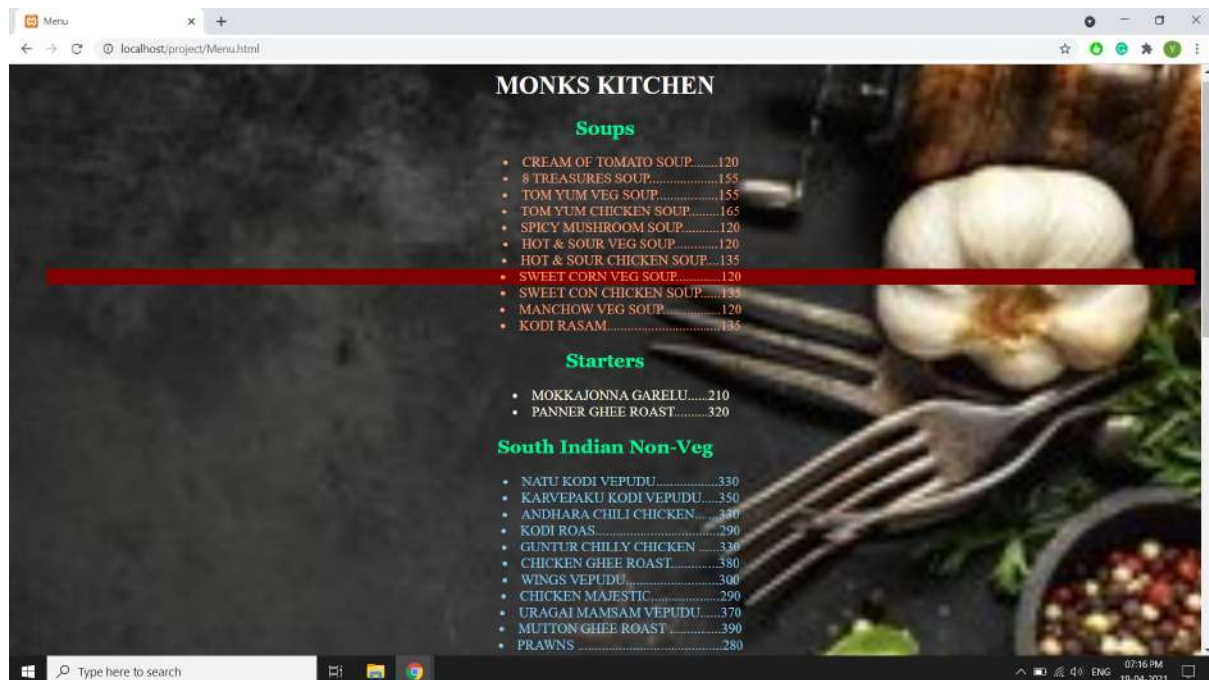
## Sample Input and Output:

The webpages are:

Homepage:



## Menu:





## Table-Booking:

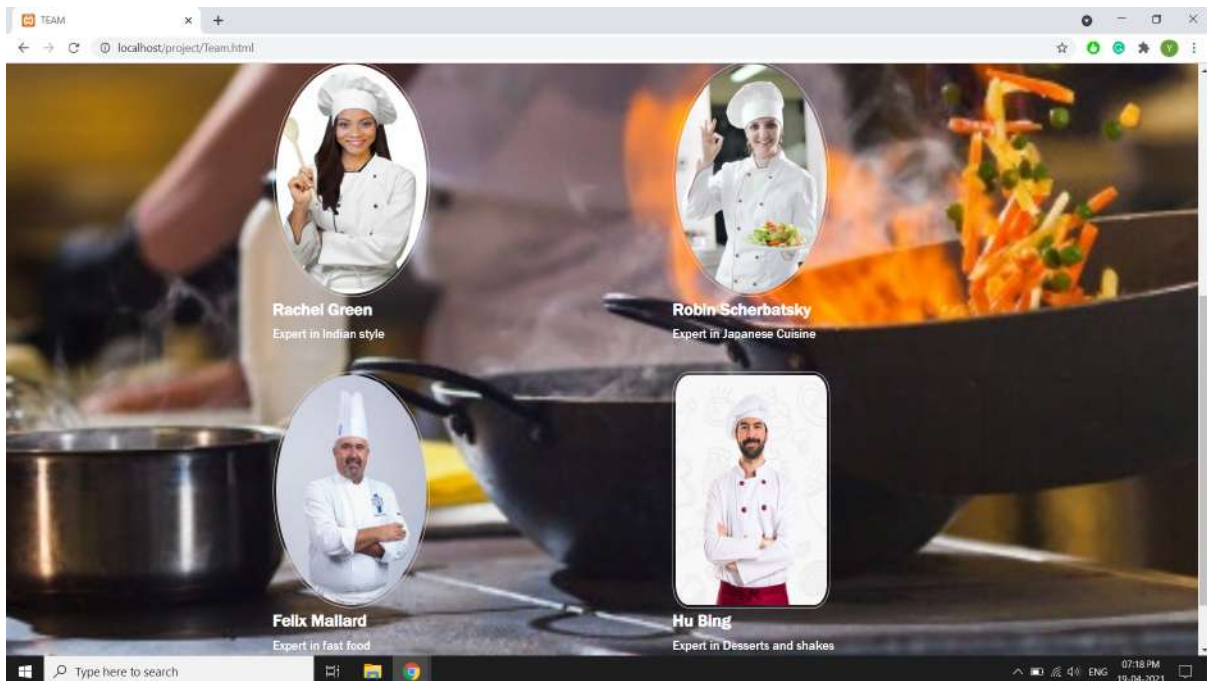
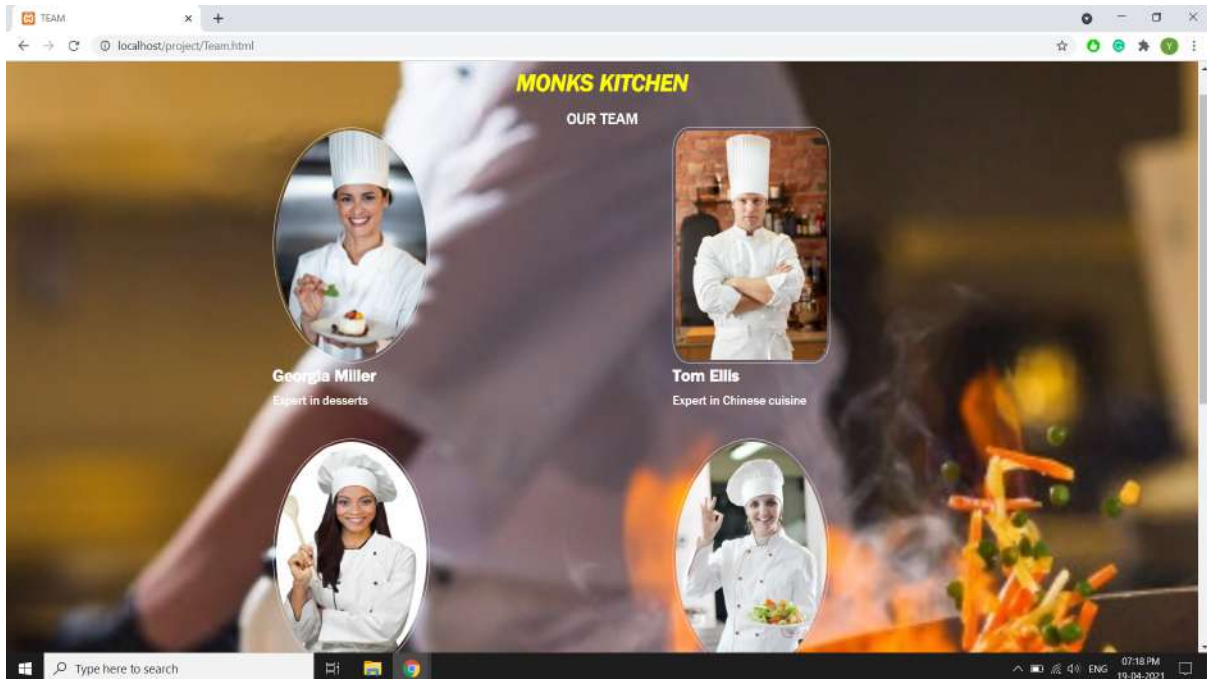
The screenshot shows a web browser window with the title "Table Booking" and the URL "localhost/project/table.php". The background image is a restaurant interior with a long table and chairs. Overlaid on this is a form titled "Table Reservation". The form contains the following fields and options:

- Name:
- E-Mail ID:
- Mobile Number:
- Date of Reservation:  (with a calendar icon)
- Seating Capacity: A row of five buttons: "One" (highlighted in pink), "Two", "Four", "Six", and "Custom".
- Time-slot (9AM-11PM):  (with a clock icon)
- Customer Type: A dropdown menu showing "-- SELECT --".

The Windows taskbar at the bottom shows the search bar "Type here to search", task icons, and system tray information including "ENG", "07:15 PM", and "19-04-2021".

This screenshot shows the same web browser window after the form has been submitted. The form fields are still visible, but a "SUBMIT" button has appeared at the bottom of the form area. Below the form, a message "Have a great day! 😊" is displayed. The background image and browser interface remain the same as in the previous screenshot.

## Team:





## Room-Reservation:

Room Reservation

First Name

Last Name

E-Mail ID

Mobile Number

Enter your address:

Postal Code

Arrival: dd-mm-yyyy

Departure Date: dd-mm-yyyy

Num of Adults

Enter your address:

Postal Code

Arrival: dd-mm-yyyy

Departure Date: dd-mm-yyyy

Num of Adults

Num of Children

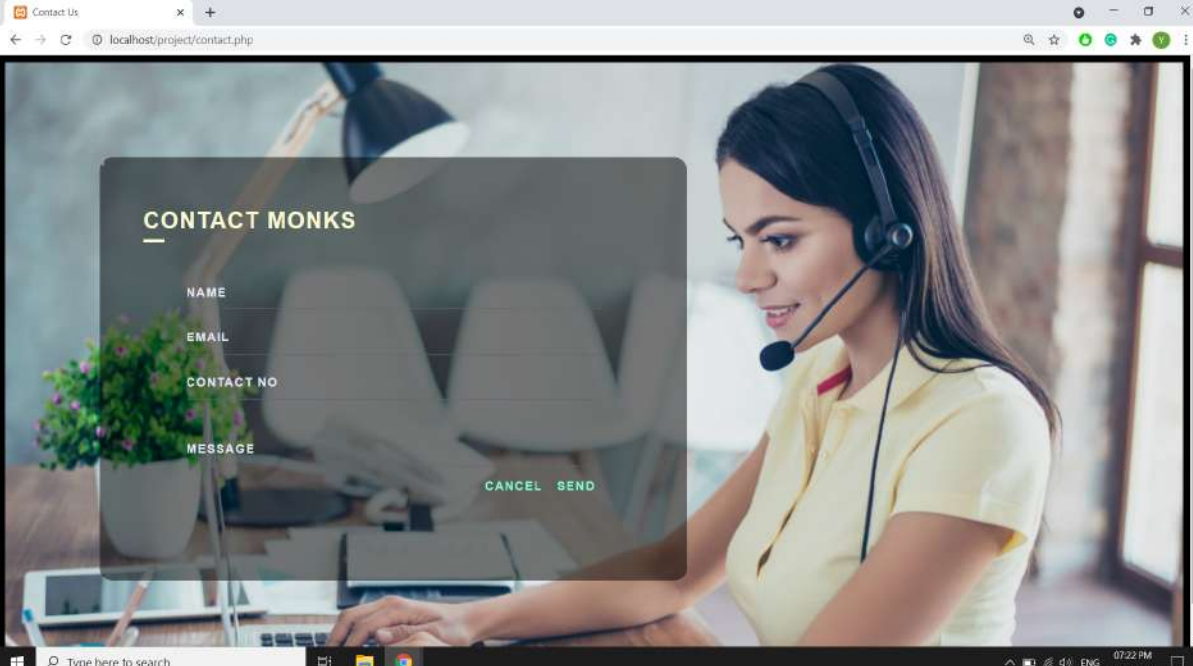
Bedding

Single

Please describe your other needs

SUBMIT

## Contact/Query form:

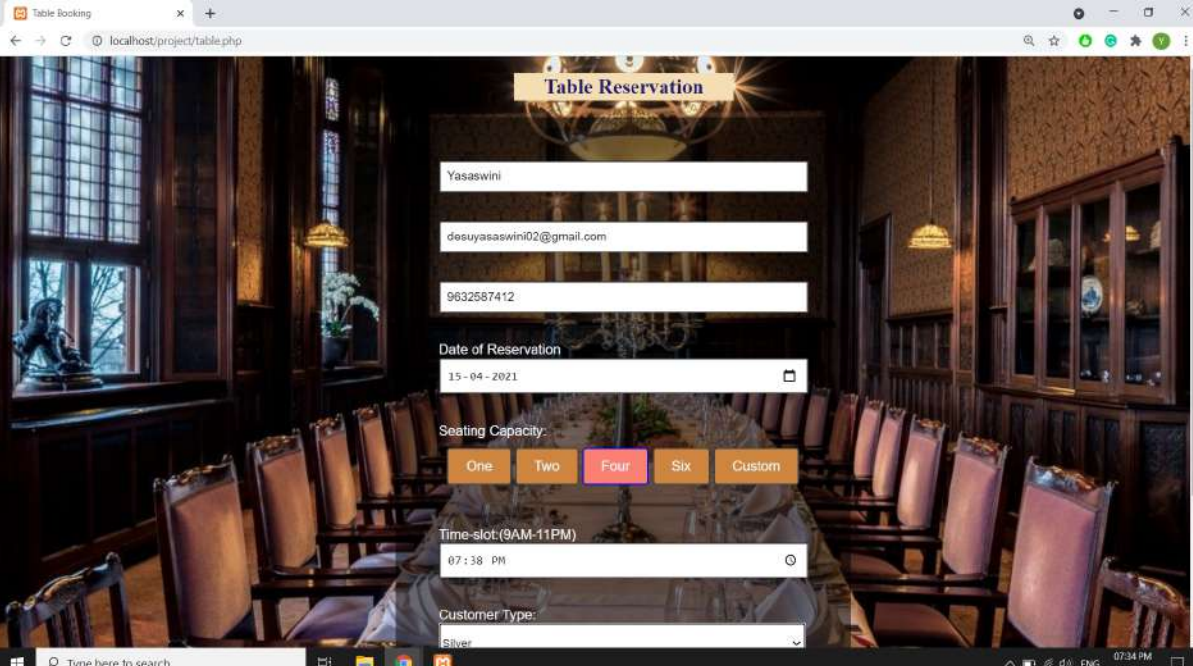


The screenshot shows a web browser window with the address bar displaying 'localhost/project/contact.php'. The page features a contact form titled 'CONTACT MONKS' with the following fields: NAME, EMAIL, CONTACT NO, and MESSAGE. Below the message field are two buttons: 'CANCEL' and 'SEND'. The background image shows a woman in a yellow shirt wearing a headset, sitting at a desk with a lamp and a potted plant.

## End user:

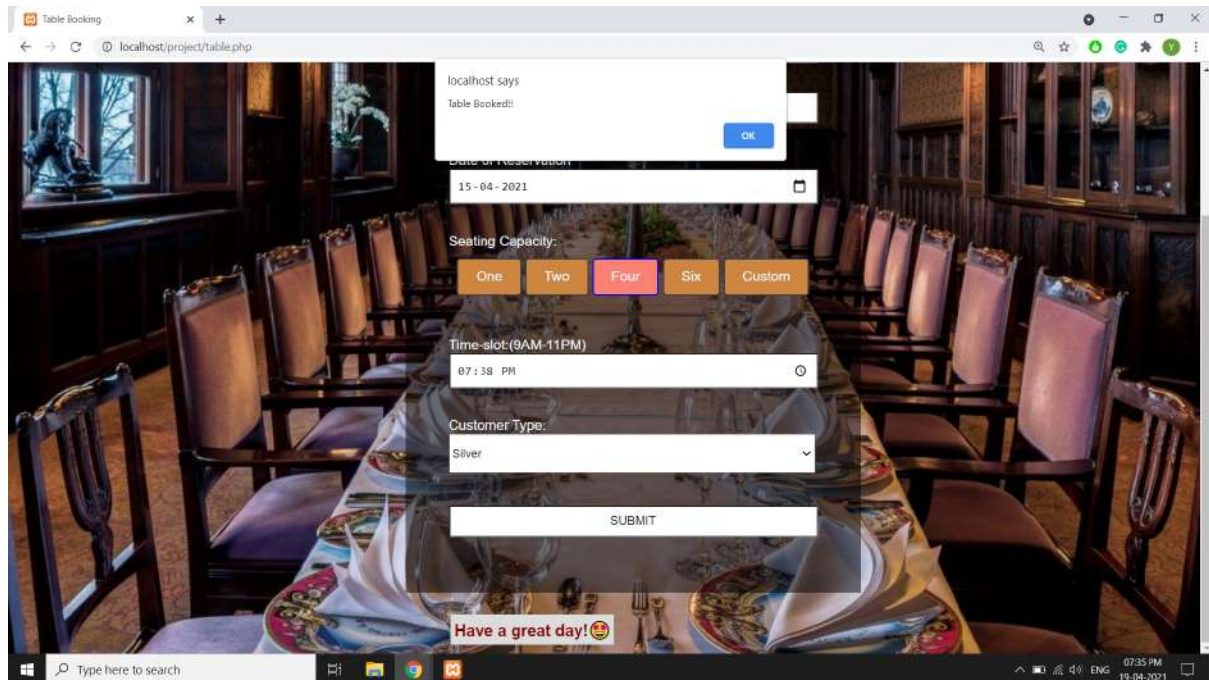
### Table-Booking:

The form after entering the details in the table-booking form.

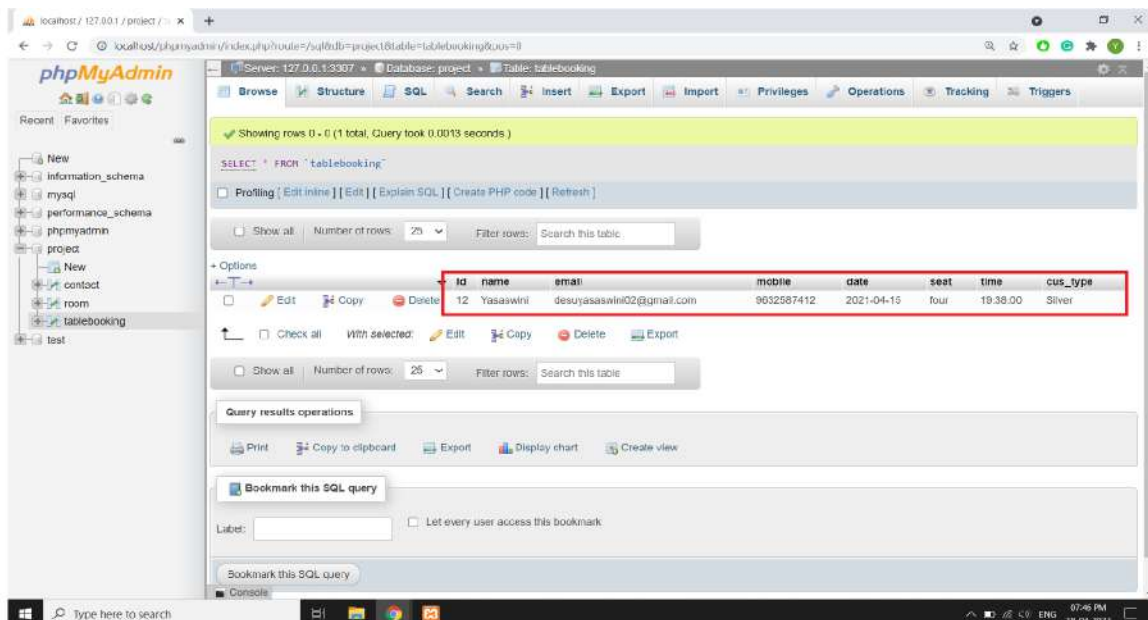


The screenshot shows a web browser window with the address bar displaying 'localhost/project/table.php'. The page features a table reservation form titled 'Table Reservation' with the following fields and buttons: Name (Yasaswini), Email (desuyasawini02@gmail.com), Contact No (9632587412), Date of Reservation (15-04-2021), Seating Capacity (One, Two, Four, Six, Custom), Time-slot (9AM-11PM) (07:38 PM), and Customer Type (Silver). The background image shows a restaurant interior with wooden paneling, a chandelier, and a table set with chairs.



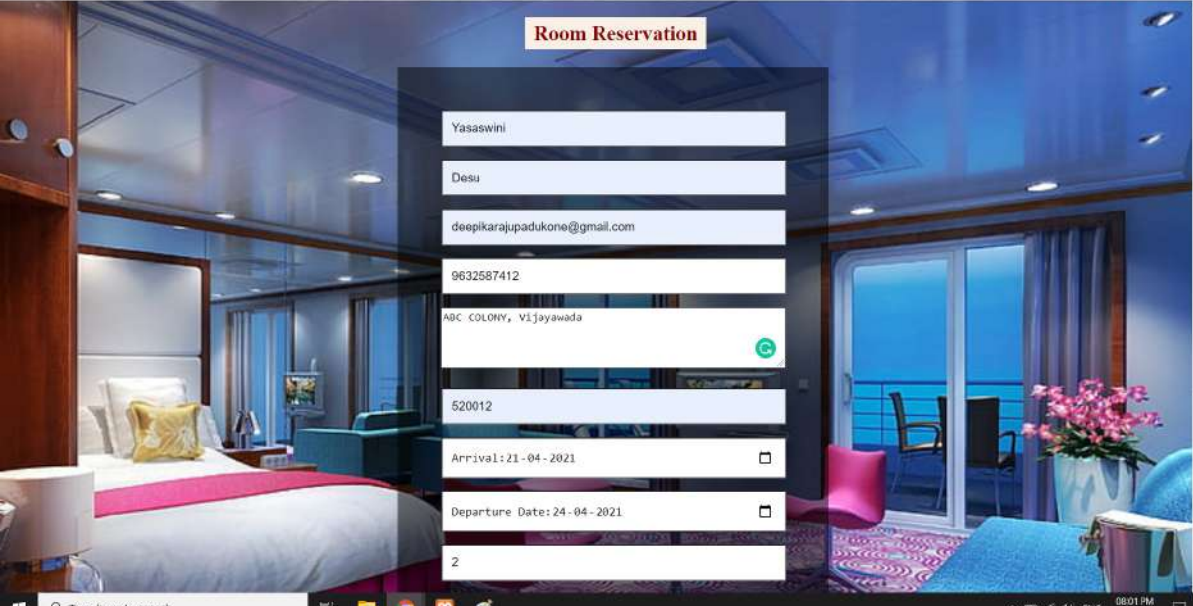


After clicking the submit button, the form shows an alert saying that the table is booked . This data is stored in the database. The highlighted area in the below figure shows that the form data is stored in the database. I have used XAMPP Server for connecting my form to the database.



## Room-Reservation:

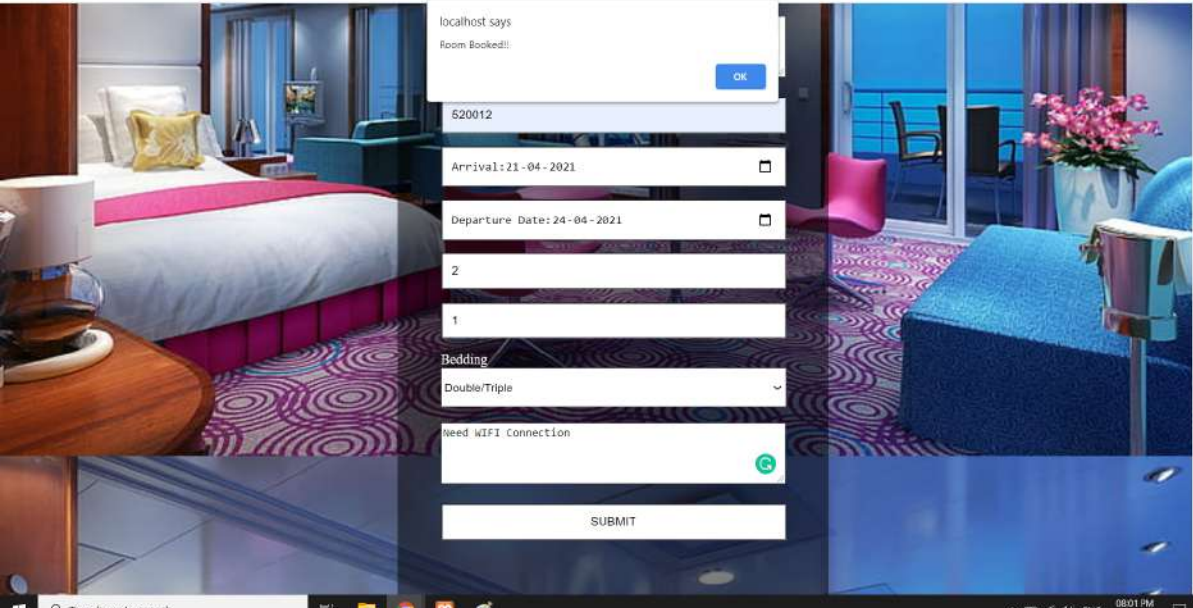
The form after entering the details in the room-reservation form.



A screenshot of a web browser displaying a "Room Reservation" form. The form is overlaid on a background image of a hotel room. The form fields are filled with the following information:

- Name: Yasaswini
- Desu: Desu
- Email: deepikarajupadukone@gmail.com
- Phone: 9632587412
- Address: ABC COLONY, Vijayawada
- Room Number: 520012
- Arrival: 21-04-2021
- Departure Date: 24-04-2021
- Number of Adults: 2

The browser's address bar shows "localhost/project/roombooking.php". The Windows taskbar at the bottom indicates the time is 08:01 PM on 19-04-2021.

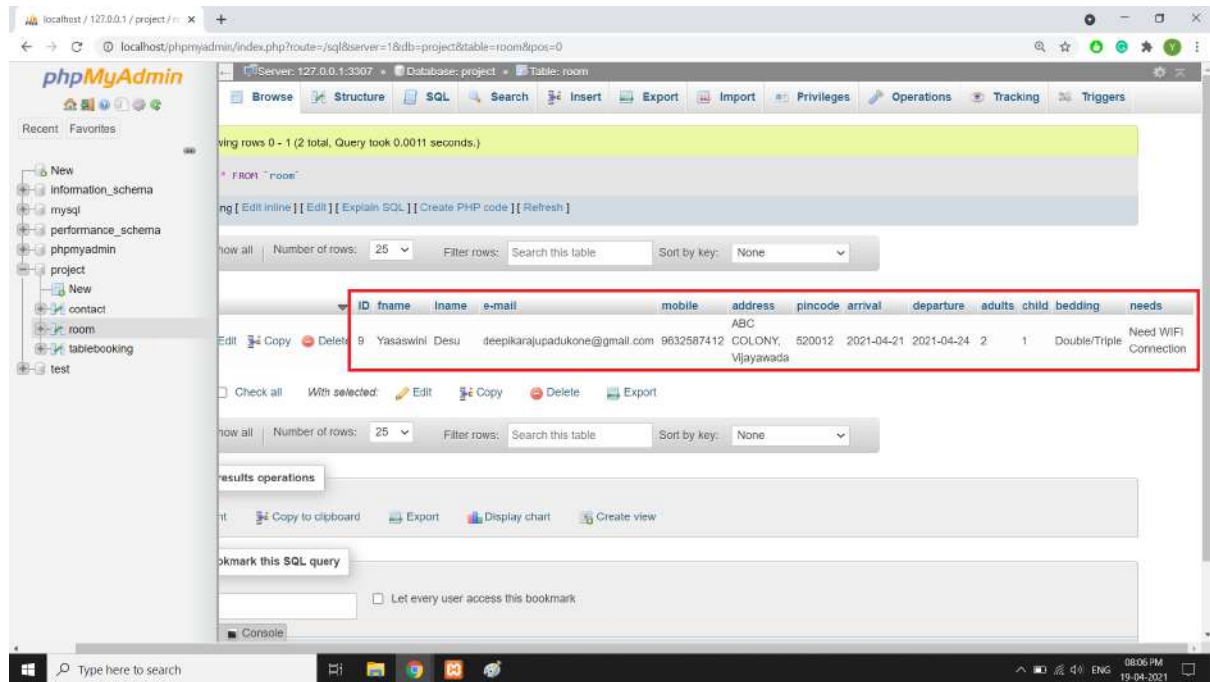


A screenshot of the same "Room Reservation" form after submission. A modal alert box is displayed with the message "localhost says Room Booked!!!" and an "OK" button. The form fields are partially filled, showing the data that was submitted:

- Room Number: 520012
- Arrival: 21-04-2021
- Departure Date: 24-04-2021
- Number of Adults: 2
- Number of Children: 1
- Bedding: Double/Triple
- Need WIFI Connection: (checkbox checked)

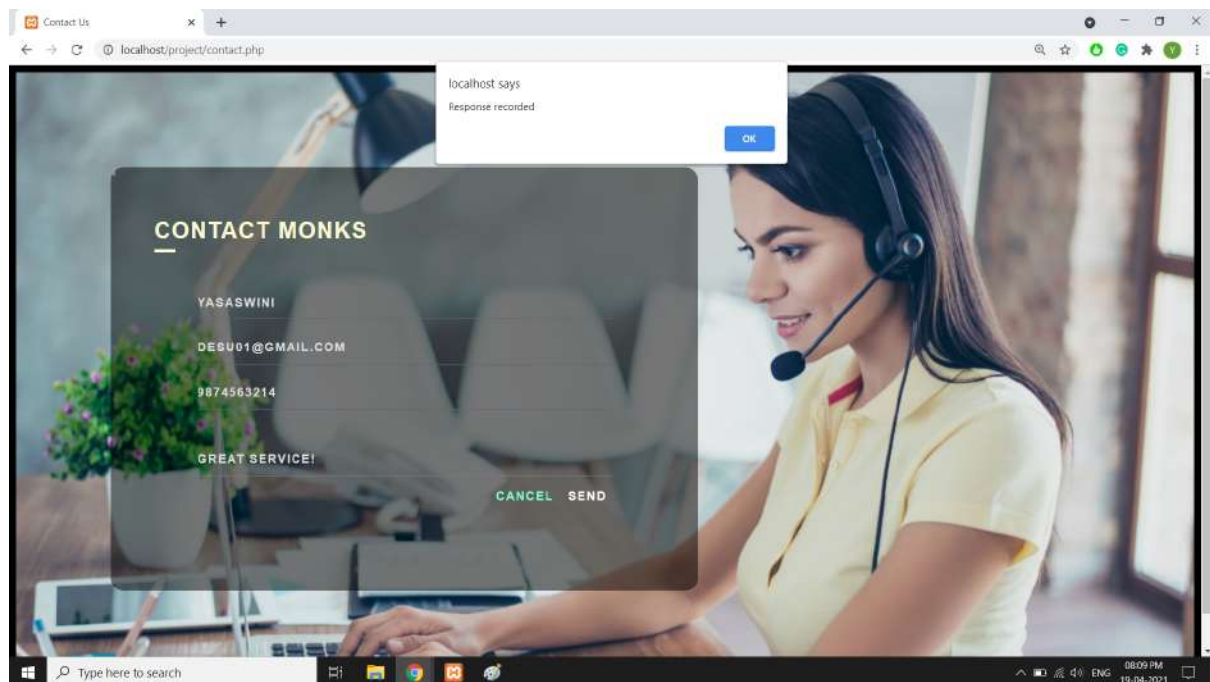
A "SUBMIT" button is visible at the bottom of the form. The background image of the hotel room remains the same. The browser's address bar and Windows taskbar are also visible.

After clicking the submit button, the form shows an alert saying that the Room is booked . This data is stored in the database. The highlighted area in the below figure shows that the form data is stored in the database.



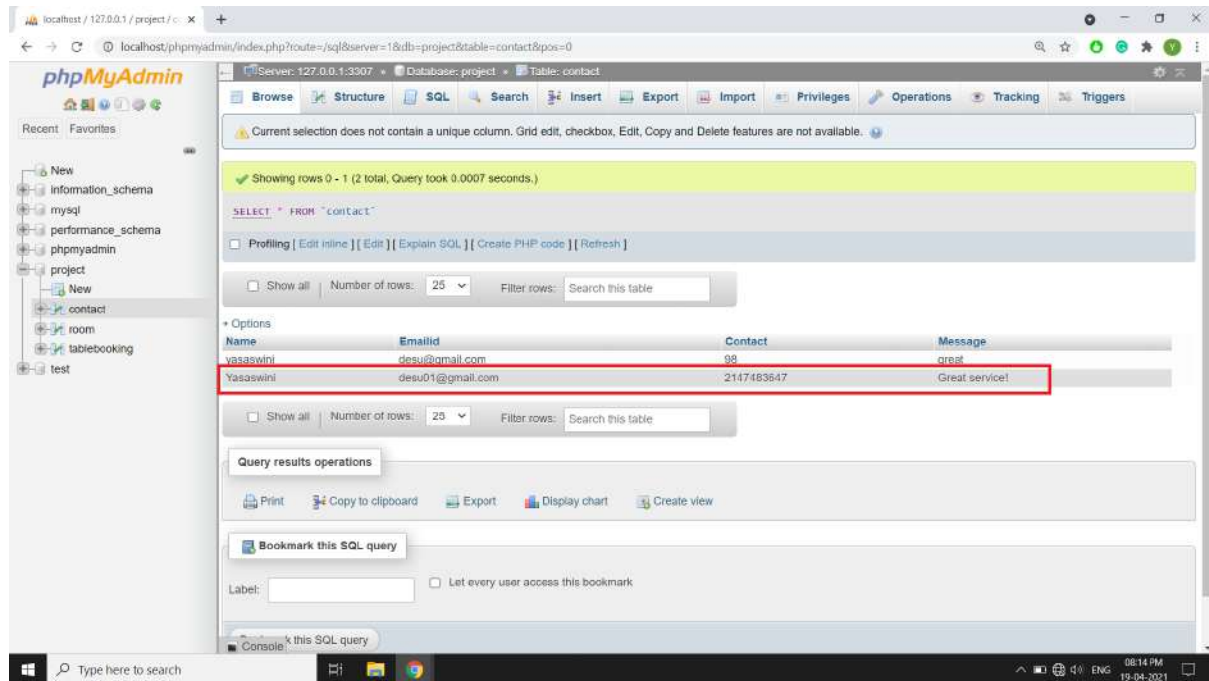
## Contact/Query form:

The form after entering the details in the contact/query form.





After clicking the submit button, the form shows an alert saying that the Response is recorded. This data is stored in the database. The highlighted area in the below figure shows that the form data is stored in the database.



## Conclusion:

The user will be fully satisfied with the convenience and security provided. As it is accessible 24 X 7, the user can continue the reservation at any point of time. We have designed in such a way that the restaurant ensures safety and security for the customer. The admin can see the entered details at any time .

So, this web based application is one of the best ways for any restaurant to make money and increase their profits.