

Online Food Table Reservation System

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Abstract :-

The project is based on a website that can be used by customer to book the desired table and menu of their choice from a restaurant as per their convenience. Previously table reservation was manual which is ending up progressively in well-known restaurants but nowadays people are getting into digital era of reservation of restaurants, and suppliers are considering to choose a digital system of booking. In manual system, everything depends upon waiter & booking diary and there is no automated system for keeping records. The general objective is to build a reservation system for table and menu to assist workers with solving basic issues with their manual reservation system.

Keywords : Online Food , Order, Booking, Restaurant, Menu

INTRODUCTION

Basically most of restaurant's current approach focusing on the manual labor and most of the operations are doing by human initiative. This makes the whole business process inefficient and time consuming. Traditionally visiting a restaurant involves selecting a meal from a paper based menu and being waited on by the restaurant's waiter staffs. This system provide an Web based menu which replaces the paper menu entirely and removes much of the need to be waited on by the restaurant's waiter staff. This Web based menu app also provides additional features designed to enhance the customer's overall experience. The major goal of this task is to enable the owner of a restaurant to deal directly with client.



Existing System

In manual system, everything depends upon waiter and diary also there is no automated system for keeping the records in the restaurant . The menu which is accessible on the restaurant is paper based. The request taken by the waiter as well as the bill is paper based. Hence we realized that this paper based system is easily vulnerable to get harmed because of several reasons and it leads to different problem i.e. waiters couldn't have arranged records of clients. Moreover it results in wastage of time and paper and if there is a need of little changes in the menu then supervisor need to print the entire menu cards again. It is not conceivable to print the entire menu over and over because of little changes. For each little request we need to call the waiter for a number of times and it may result in some misconception from waiter side. So we found it a necessity to roll out some improvements in the current system to wipe out the above issues.

Disadvantages Of Existing System -

- It was totally paper based.
- Wastage of time, cash and paper.

Literature Survey

In the past few years, it is experienced that customers are desirous to find a handy Website for reservation of tables and menu or any other services to avoid physical walking to the hotel or contacting by call or reserving through a middle man. Therefore it is aimed to develop an Website for table reservation and online menu booking. The growth of mobile and wireless technology is making a large impact on our lives in the present condition as compared previously. Nowadays people are looking for an Web that satisfies their needs even more precisely. Even the restaurant industries are looking for any Website that enhances the dining experience as well as increases the profit which in turn is not only an advantage for restaurant industries but also for the customers to choose the restaurant of their desired choice and location. This Website will save time, cash and paper by converting the manual reservation system to an automated system.

Proposed System

In proposed system, we provide facility to the customers to reserve tables for dining and can book the menu in advance. At the same time this online table and menu booking system will help the restaurant owner to manage their services including food. This system will be managed by two mains, first one would be available for general customers for viewing and booking of table and menu and the second one would be used by the admin to update and manage the services within the restaurant. The admin-portal is being managed by the owner of the restaurant to check the bookings and make the availability for the customer. This system wake to provide service facility to restaurant and also to the customer . The services that are provided is menu booking and table reservation by the customer through the application. This project serves the best way of maintaining customer's information and cater their needs. It is a convenient selfservice table booking system. It can create a customized booking process, let people book a table through their android app, manage restaurant availability and reservations.



Methodology

The main function of this application is online booking of tables of a restaurant.

Table Booking: The user can book any table through this application any time and from anywhere.

Contact Us: User can contact with hotel admin at any time using this application.





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Software Requirements:

- HTML
- CSS
- JavaScript
- SQL
- PHP

Advantages of the Proposed System:

Rights are reserved at customer's fingertips.

During the festive seasons, tables get booked in a short span of time, in such cases clients can make advance booking for utilization of time.

It saves client's time looking out for restaurants. Also it saves business assets and costs.

It avoids to customers to pay heavy commission

Results

The user or customer enters the credentials required to login the application. After which the desired table number according to the customer's convenience is selected. If required the menu is also booked in advance.

WE OFFER YOU THE BEST RESERVATION SERVICES		
No of Guest		Suggestions (E.g No of Plates, How you want the setup to be)
How many guests	\$	your suggestions
Email		
Enter your email		
Phone Number		
Enter your phone number		
Date		
dd-mm-yyyy		
Time		
:	Q	MAKE YOUR BOOKING

Customer gets a Unique Code After Reservation As Shown In Fig

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WE OFFER YOU THE BEST RESERVATION SERVICES			
Reservation placed successfully. Your reservation code is UNIQUE_4. Please Note that reservation expires after one hour			
No of Guest	Suggestions (E.g No of Plates, How you want the setup to be)		
How many guests	your suggestions		
Email			
Enter your email			
Dhana Number			

References

- V. Liyanage, A. Ekanayake, H. Premasiri, P. Munasinghe and S. Thelijjagoda, "Foody Smart Restaurant Management and Ordering System," 2018 IEEE Region 10 Humanitarian Technology Conference (R10-HTC), 2018, pp. 1-6, doi: 10.1109/R10-HTC.2018.8629835.
- Shweta Shashikant Tanpure, Priyanka R. Shidankar, Madhura M. Joshi, "Automated Food Ordering System with Real-Time Customer Feedback", in International Journal of Advanced Research in Computer Science and Software Engineering, Vol. 3, Issue 2, February 2013.
- Jhabuawala Mustafa, Kothari Radhika, Naik Riddhi, Slatewala Abdulquadir, "Touch & Dine- A Multi-Touchable Restaurant System" in UACEE International Journal of Computer Science and its Applications -Volume 2: Issue 1.
- Maranan, D., Leteral, M. D., Salubre, C., Rance III, R., Conde, C., & Cacho, D. (2020). Hotel and Restaurant Management System: Administrative (Visitor Management and Vehicle Reservation). Ascendens Asia Singapore–Bestlink College of the Philippines Journal of Multidisciplinary Research.
- Mwanyolo, F. C. (2021). Restaurant Management System (Doctoral dissertation).