

Book My Table

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Abstract- With rapid increase in the use of mobile phones, the desire for people to access mobile internet to get information and services from anywhere and everywhere has increased.

There is an increase in number of restaurants and restaurant-goers which necessitates enhancement of the hospitality industry. This research work aims to design and implement a remote food ordering system, through which one can book table before visiting a restaurant and also make payment. Moreover, two or more customers can book table from remote locations. This application consists of three applications within itself. First is for the customer who can book tables. Second is for the kitchen unit in a restaurant, which enables the staff to view current orders. Third is for the manager of that restaurant in order to keep track of all the transactions. We have made use of a recommendation engine that suggests menu to a customer while booking table.

We have also made use of a compression algorithm that compresses the size of images used throughout the application at various stages. This system increases quality and speed of service. It also increases the popularity of restaurants among potential customers. Implementing this system gives a cost-efficient opportunity to give customers a personalized service experience where they are in control of choosing what they want, when they want it – from dining to ordering to payment. We have chosen Android platform because it is most widely used today and is very economical.

I. INTRODUCTION

Over the years, technology has tremendously revolutionized the food industry. Traditionally, to dine at a restaurant, customer needs to directly interact with the waiter to place order. Further, customer needs to wait for a while to get the food served. However, today's era is witnessing people engaged in something or the other all the time. Customers are also demanding simplification of tasks in almost every field, from shopping to buying cars to booking movie tickets, cabs, etc. While dining at a restaurant, certain obvious inconveniences are faced by regular customers. These inconveniences include waiting, discrepancies in the order, incorrect bill generation and so on. Thus, a need to build an application to incorporate ease, accuracy and comfort is felt, when it comes to dining. In this research, we aim at

designing and implementing a remote food ordering system and also improve customer's dining experience.

II. RELATED WORK

This Case study looks at the problem of setting up a fast food restaurant. In existing system there are few problems:

- For booking the table customers have to visit hotels or restaurants to know about table arrangement and then pay. In this method time and manual work is required.
- While booking the table over the phone, customer lacks the physical copy of the menu item, lack of visual confirmation that the table is booked correctly.
- Every restaurant needs certain employees to take the order over phone or in-person, to offer a rich dining experience and process the payment. In today's market, labor rates are increasing day by day making it difficult to find employees when needed.

Hence, to solve this issue, what I propose an application "Book My Table", originally designed for book the table in the desired restaurant.

The main advantage of my system is that it greatly simplifies the booking of table for both the customer and the restaurant and also provide the customer with the animated view of the table arrangement in the restaurant.

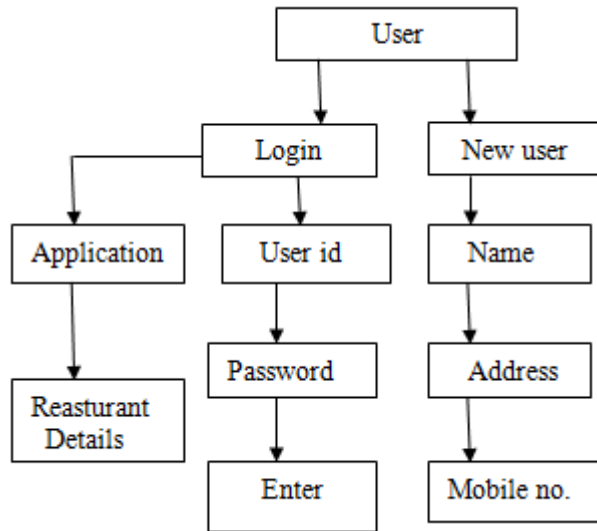
III. PROPOSED METHOD

We propose an application based on the table booking on the restaurant with an animated view this application would help the customer to book the table according to their convenience they can pay their bill online through the application and book their table with an animated view. Following are the modules of the application.

Module 1: In this module the module is login where the existing customer have to login through their user name and password then click the enter button to login and then the customer will see the application and the restaurant details where the customer wants to book their table and see the

environment which table is booked or not so that the customer will book the table.

Module 2: The second module is for the new user if new user want to book the table on the desired restaurant first the new user has to give their name and then address and their mobile no. For the confirmation of the booked table in the desired restaurant and then the user will go to their login page and then book their table in desired restaurant.



III. CONCLUSION

- Overall this application will help the customer to not face the conditions of tables booking on time and waiting in restaurant
- This application will help our customer to book their table with an animated view restaurant
- It reduces the chaos in the restaurant.
- It will be very good for our future for table booking.

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