




RESTAURANT MANAGEMENT SYSTEM

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ABSTRACT

In our daily life, we can see many people in the restaurants who are waiting for a long time for getting a table. It is the most common problem faced by the people these days. Due to this kind of delay in time people might miss their flights, trains and sometimes even some important meetings which cause lots of loss to the individual. When people are new to an area then they won't be having any idea of the restaurants in his/her surroundings and what type of food will be served in that restaurant. Even we can find some situations where people will be waiting outside the restaurant for a table to be vacated.....

CONTD...

Sometimes while booking on a telephone there is a chance of misplacing the names of the customers which arises problems. By keeping these problems faced by every man in this modern era, we generated an idea of creating a system which would solve all above stated problems. This idea has its own kind of perspective which wipes away the problems which are faced in restaurants and provides an interface where customers can browse and reserve the tables with just a few clicks.

INTRODUCTION

Restaurant Management System is a service primarily designed for the need of reserving tables at a particular restaurant before arriving at the restaurant. Not only it will provide convenience to the users by decreasing the waiting time, it will also serve as a better platform for the restaurants to increase the scope of business. When the user uses the service, he will be directed to the Login page where he needs to fill the credentials along with the password.....

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As soon as the authentication is done, list of all the restaurants will be displayed along with some necessary information like name, address, contact details etc. the user can choose the restaurant after that he will be asked in which slot he needs to book the table. Thus user can easily book the restaurant for the available timings. Later users can give the review of the restaurant which helps to make some priorities for later use.

EXISTING METHODS AND IT'S DISADVANTAGES

In manual system, everything depends upon paper and there is no automated system for keeping the records in restaurant. 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 prompts wastage of time and paper. For each little request we need to call the waiter for a number of times and it prompts some misconception from waiter side. So we need to roll out some improvements in the current system to wipe out the above issues.

PROPOSED METHODOLOGY

In proposed system we provide facility to customers to reserve tables for dining. At the same time this online reservation system will provide the restaurant owner to manage the bookings. Currently proposed system will be fast and easy to use. This system will be managed by:

1. Python (Tkinter) in frontend for both customer and owner interface
2. My-SQL in backend for maintaining databases
3. Connecting SQL database using mysqlconnector module available in python

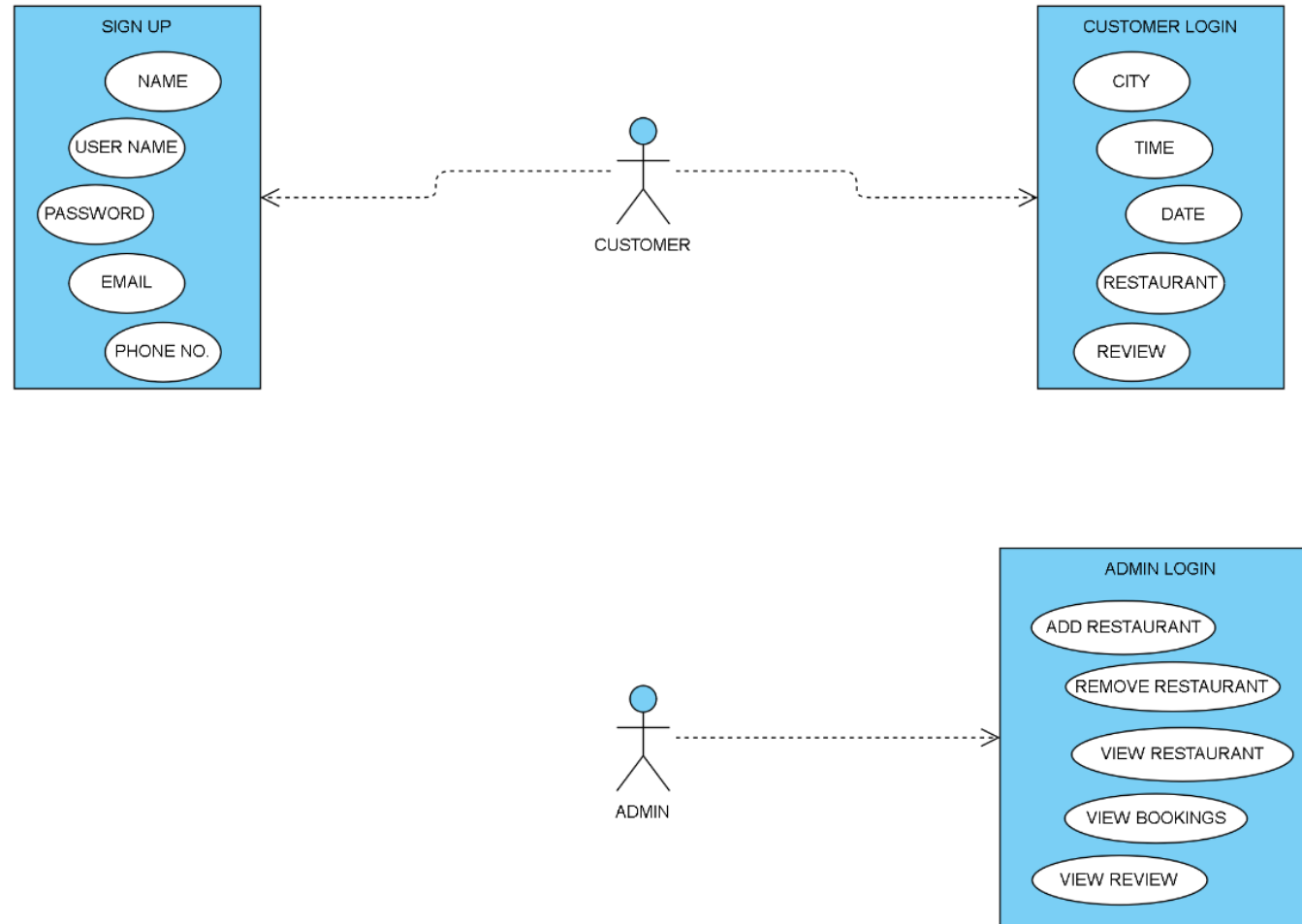
Customer will be allowed to reserve table in a particular restaurant and to provide feedback of the restaurant.

Admin will be allowed to add/remove restaurants and view the bookings done by the customers.

ADVANTAGES OF PROPOSED SYSTEM

1. Provides username and password to guarantee authorized access only.
2. It saves client's time looking out for restaurants.
3. It saves business assets and costs.
4. During festive seasons, tables get booked shortly, in such cases clients can make advance booking for table at a restaurant.
5. It discourages the involvement of third party or a middle man by providing a direct interface of customers to their service providers.

BLOCK DIAGRAM



CONCLUSION

Most of the restaurants are booked manually, thus it increases the paperwork and becomes tedious to maintain the records. Also maintaining notices in the records increases the paperwork. Our application makes the service to book the restaurant efficiently and will save the precious time of the customer. In the restaurant perspective, it will decrease the workload, maximize the reservations and make the restaurant accessible for 24/7 from anywhere in the world.

FUTURE WORK

- Including restaurant menu cards.
- Providing options to pre-order the food.
- Sorting restaurant according to preference like nearest, most-rated, choice of cuisine etc.