

Restaurant Table Booking Website

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Abstract— The aim of this project is to develop a web application to keep everything related to restaurant/hotel table management as simple as possible. This project can be utilized by servers or admin/restaurant. To manage the user and their booking table order. Further it helps the user to find free table or place booking also it helps the user to comment as a feedback form.

Keywords: Web application, table reservation, food order, customer and restaurant

I. INTRODUCTION

This Project allows User to book Restaurant table & available service by providing needed details using Web applications. In this application all restaurant which has been registered viewed by users then it seen the restaurants as per their need then user select the restaurant and place the booking at particular date/time. He gets the payment bill from restaurant. Also restaurant or manager gets the idea about updation of a user puts there queries as a feedback form.

A. Objectives

The main objective of this project is to allow the management/administration of a restaurant to handle the users and also users to put their orders online and find free tables. This web application is developed mainly for providing a proof for proper mobile interaction. Administration is responsible for handling new customer, new waiter, and new menu into database.

- Creating a web application to save time of users.
- Creating database containing all relevant information of user.
- Also comments that user insert at feedback form.

B. Scope

The Proposed system is a web solution for users to easily add and orders. At the time of table booking some general information about order which user is booking will be viewed such as item from menus, the price of each Item, Table no, Time/Date. Restaurant table booking will be easy to user.

C. Need

The web application is developed with the need for user with time limited basis. User can register with website and view the entire restaurant as per their location easy booking also they can fill feedback form as per their restaurant services.

II. EXISTING SYSTEM

The restaurant currently runs a manual reservation as well as online table booking and the users looking for reserving the tables or any other services do it by walking to the hotel or contact on phone or do it by online website.

Limitations of Existing System

- It is a manual and paper based work.
- Wastage of time, cash, and paper.
- Waiter friendly application is not a user friendly application.

III. PROPOSED SYSTEM

The aim of proposed system is a web application that allows users of restaurant to enquire online and book for services by inputting the needed details using website. The manual table booking is replaced with the online order system. Management can pull reports at any time to tell the current situation in reserve to put the necessary measures in place. This web application is allows customer to book table through web application on mobile phones. Using this system user can view and check for various table available and simultaneously book the table of the restaurant. The system calculates the total cost on table booking the services. When customer visits the table and he must show the table no for the table allotment. To use this application customer may require web application mobile phones along with internet connection. Also user can give the feedback as comments.

A. Requirement Specifications

1) Functional Requirements

- (1) System must provide admin interface to manage questions.
- (2) System must provide proper authentication to user.
- (3) System must provide user validation.
- (4) System must provide proper authentication to admin.
- (5) System must show order to admin.

2) Non-Functional Requirements

- (1) System must not allow access to unauthorized user
- (2) System must store all the data on central server
- (3) System must protect data from all kind of virus and attacks
- (4) System must be user friendly
- (5) System must protect integrity of data of user
- (6) System must be easily maintainable
- (7) System must be updated

B. System Design

A data flow diagram (DFD) is use a very small number of primitive symbols to represent the functionality performed by the project and the flow data among the different functions of the project.

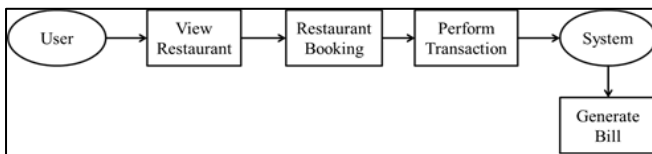


Fig. 1: DFD Level 0

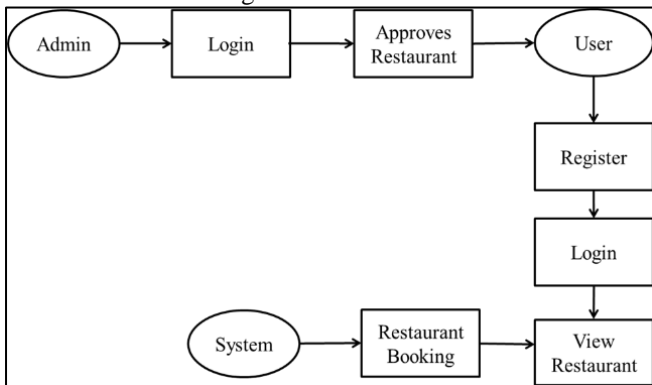


Fig. 2: DFD Level 1

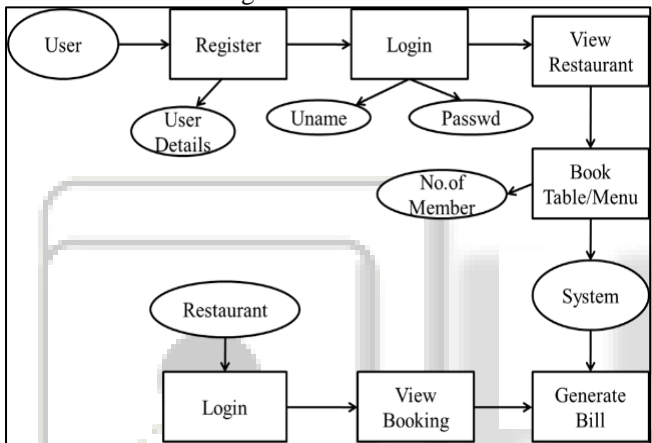


Fig. 3: DFD Level 2

IV. IMPLEMENTATION

In computer science, an implementation is a realization of a technical specification or algorithm as a program, software component, or other computer system. Many implementations may exist for a given specification or standard.

(1) User Registration

- Step 1: Start.
- Step 2: Restaurant Registration
- Step 3: User Registration.
- Step 4: New User Can Register In Register Page.
- Step 5: User Login.
- Step 4: Login Successful.
- Step 5: End.

(2) Restaurant Table Booking

- Step 1: Start
- Step 2: Click on location/area.
- Step 3: Display all the restaurants as per selected location.
- Step 4: Click book table to book a particular restaurant table as per their date & time.

V. CONCLUSION

We have implemented "Restaurant Table Booking" Website. The key concept is to reduce the time of user to

book a table fast & as per their location/area. User has choice to see all restaurants & to compare which one is better to book for table as it reduces time.

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