**RESTAURANT MANAGEMENT SYSTEM**

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**INTRODUCTION**

* 1. **Introduction to the Project**

The main aim of Restaurant management system is to improve the restaurant business. This system is developed to automate day to day activity of a restaurant. Restaurant is a kind of business that serves food for all people. This system is developed to provide service facility to restaurant and also to the customer. This restaurant management system can be used by employees in a restaurant to handle the clients, their orders and can help them easily find free tables or place orders. The services that are provided is food ordering and reservation table management by the customer through the system online.

* 1. **Project Objective**

The objective of this project is to build an electronic restaurant management system using all of the skills and techniques. The main objectives of any business is to maximize profit by increasing efficiency and descreasing overheads without compromising customer satisfaction. Currently, many restaurants use a paper-based system to communicate between the restaurant and kitchen which can be shown to be one of the least efficient approaches. Even though this approach is implemented in successful but there are several problems which could be seen as reducing the restaurant's efficiency

* Miscommunication caused by handwriting.
* Unmanageable order logging.
* Inefficient restaurant-kitchen communication.
* Difficult order tracking and time management.

By introducing an electronic restaurant management system these problems can be avoided or improved leading to an increase in profits.

* 1. **Problem Statement**

Now a days we have to wait for table as well as to give our order to have a food especially in familiar restaurants. In this case our application will help for both customers as well as the restaurant's owner. Here we have two applications one for customers and other for restaurants.

* 1. **Solution for Problems**

**1.4.1. Solution for Tables**

By this application, The User can book their table if any table is free in the restaurant. After booking the restaurant have an options to accept the request and decline. By this, waiting time for the table will be saved as well as restaurant member's will not get pressured.

**1.4.2. Solution for Tables**

Other than waiting for table the customer should wait for the server to take order even in that time well decide our food to order but in some case after the server came he'll say it is not available. In this cases our application will help more for the customer to save their time in waiting for those stuffs. By using this application Restaurant admin will display all the Menu items to the Customer that are available in the Restaurant Then the customer can add their items to their cart to place order. In cart the total items selected by the customer will be shown then they can edit and remove all these stuffs in the cart. Then the customer will place order.After placing order the restaurant's member can see the order from who as well as from the table number. The restaurant's member can update the order status by each item. By this time will be saved for both customers and owners.