

Online Food Ordering System

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***Abstract:** The solution we propose is an easy-to-use online meal ordering platform for customers. It removes the disadvantages of the traditional standing process. Our method is a means of ordering meals from food services conveniently online and for mess service. This technology enhances the process of taking customers' orders. Customers may simply place orders as per their wishes using the online meal ordering system, which puts up an online food menu. Additionally, this system has a feedback feature that enables users to rank the food products. Online or pay-on-delivery payment options are available. By giving each user a unique ID and password, individual accounts are maintained for each user for more secure ordering.*

***Keywords:** Internet, Database, Smartphone, Laptop*

I. INTRODUCTION

Currently, the market for meal ordering systems is one of the rapidly expanding. People eat their meals in restaurants more frequently these days. The ease of ordering food online is offered to clients who are simply the busy humans in society in general. It eliminates the drawbacks of the traditional hotel or dining system and the antiquated line-up method. This approach improves prepared goods more than it does humans. As a result, this approach improves both the quality and way that orders are taken from customers as well as how quickly food is delivered to a person's plate.

The user can order the meal items on the list that they prefer. Either online or pay-on-delivery payment options are available. Because it has a different account for each user, the user's information is kept private. For each user, a unique id and password are issued. Additionally, a number of encryption methods have been carried out on the server-side portion to safeguard the card information. As a result, it offers a more trustworthy ordering method.

The suggested system would provide customers/users the choice to order from restaurants or messes. Additionally, daily suggestions from restaurants and food service operators will be made available to clients. There would be no restriction on the number of orders a consumer can place under the proposed system. The same programmer may also be utilised by the programmers as an emerging company. The restaurant or business owner will receive ratings and comments from customers in real time. It provides users with pertinent feedback, thus if a mistake occurs, a suggestion chat will be addressed at users.

The initiative's goal of helping people with problems they encounter while moving to a new city is the reason this project was chosen. The platform serves both users and service providers who offer meals. The whole thing is designed to facilitate effective communication between food system vendors and customers, which will ultimately result in the most perfect and productive system.

II. PROBLEM DEFINITION

Customer can place the order from the list of food items. Online shoppers may also simply track their orders. The management keeps the client information up to date and enhances the meal delivery service. This system offers a feedback mechanism where users may rank the food products. Additionally, the suggested system can suggest restaurants and hotels depending on the ratings provided by the user. The hotel staff will also be advised of any quality and enhancement issues. You have three different payment options: online and pay-on-delivery. By giving each user a unique ID and password, distinct accounts are maintained for more secure ordering.

III. PROPOSED SYSTEM

An online food ordering system is suggested as a way to get around the shortcomings of the traditional approach. It is a wireless technology for ordering meals that works with Android phones. Android smartphones have risen dramatically in popularity and transformed how ordinary tasks are automated using mobile technology in wireless environments. The goal will be to create a system that surely meets the needs of customer service. An essential goal is to assess how well it performs and if it is acceptable in regards to security, usability, correctness, and dependability. One of the goals is to enhance interaction between the vendor and the customer.

The three primary users of the architectural design are the service customers, the owner of the hotel or restaurant and staff of the restaurant. When relocating to a new city, a person must locate a source of sanitary and delicious food. To do this, the person will look for and choose a restaurant or home-based meal service depending on his or her category, as well as whether the facility is vegetarian or not.

IV. OBJECTIVE

The objective of system for food is to keep track of menu group, meals, shipping address, order, and payment details as well as simplify the traditional method currently in use with the aid of cutting-edge automated software so that important data can be stored for a longer period of time with simple access and manipulation.

By using proper login credentials, the registered user can access the account. Users have the option of paying with cash or a credit card and may browse culinary items according to categories. Users may follow their orders and view the meal information. The functionality of adding new food items, editing or deleting existing food items, and enabling or disabling existing food items based on availability and season may all be managed by the administrator of the online food ordering system.

V. PURPOSE, SCOPE AND APPLICABILITY

A.Purpose

An online ordering system's primary function is to give consumers a method to order from a restaurant online. Both the client and the company profit from it. Additionally, it makes it possible for customers to eat well at their preferred restaurant or retailer without having to leave the comfort of their home. You may enter the world of business by offering meal delivery since it gives clients more convenience. The project's goal is to create an order system for small to medium-sized food and drink businesses that may assist restaurants in streamlining their daily operational tasks and enhancing patron eating experiences.

It will raise the restaurant's output, effectiveness, efficiency, and accuracy. Because of this system, all manual effort will be reduced as the conventional order system will be replaced by a computer system. It will do away with the need for employees to physically transport food order tickets into the kitchen, manually change the meal's price tag, and manually figure out the billable amount.

B.Scope

Its major objective is to reduce manual data entry, improve efficiency of the process of ordering for both the consumer and the restaurant, and assure data security and accuracy. Additionally, customers will have access to product menus and ingredient lists as well as an indication that their order was placed successfully.

C.Applicability

Reducing personnel expenses, walk-away rates, and long lines are advantages of using an online meal ordering service or restaurant ordering app. This multisite food to go chain and independent online ordering system is made for restaurants, cafés & coffee shops, fast food, takeaways, and other catering businesses

Putting your business online will increase sales and boost your brand's reputation. With your internet-based menu, current customers will have a fantastic new advantageous way to order, and new customers will quickly find you using well-known search engines.

VI. ACHIEVEMENTS

In the phase of project development, we learned so many things which we didn't get to learn in our syllabus. The programming language which I used in my project is PHP and the scripting language which I used in my project is HTML, CSS. The database which I used for my project is MySQL. The software we have used are VS code and XAMPP Server I learned about database connectivity, how backend of a website works and many more.

VII. CONCLUSION

The suggested system comes to its conclusion by focusing on the needs of its users. All user-related difficulties pertaining to every system user were taken into consideration when developing the system. If they have a smartphone and access to the internet, many individuals can utilise this. Thus, the construction of an online food ordering system is carried out to assist and address one of the major issues facing individuals. Based on the findings of this study, it can be said that: It makes it easier for customers to place orders; It provides them with the information they need to do so. The food website application was created for restaurants and other establishments to assist them in accepting orders and updating their data. It was also created for the administrator to assist them in managing the entire food system. A restaurant and mess menu online may be set up with an online meal ordering system, and consumers can make orders with ease. A meal menu online also makes it simple to manage orders, maintain client databases, and enhance food delivery services. Even the online restaurant menus and picture uploads may be readily changed by the restaurants. Potential consumers may quickly examine a restaurant's menu online and make orders whenever it's convenient for them