Online Food Ordering System

Sarika R. Rathi[1], Aakanksha M. Ninave[2], Ayesha Siddiqua[3], Puja V. Rajput[4,] Sanyukta R. Rajput[5]

[1] *Professor, Dept of Computer Engineering, MGM's Polytechnic, Maharashtra, India*
[2345] *Student, Dept of Computer Engineering, MGM's Polytechnic, Maharashtra, India*

ABSTRACT

Our proposed system is an online food ordering system that enables ease for the customers. It overcomes the disadvantages of the traditional queueing system. Our proposed system is a medium to order online food hassle free from restaurants as well as mess service. This system improves the method of taking the order from customer. The online food ordering system sets up a food menu online and customers can easily place the order as per their wish. Also with a food menu, customers can easily track the orders. This system also provides a feedback system in which user can rate the food items. Also, the proposed system can recommend hotels, food, based on the ratings given by the user, the hotel staff will be informed for the improvements along with the quality. The payment can be made online or pay-on-delivery system. For more secured ordering separate accounts are maintained for each user by providing them an ID and a password.

Keyword: - *Automated Food Ordering System, Dynamic Database Management, Internet of Things, and Payment etc.*

1. INTRODUCTION

Online Food Ordering system is a process in which one can order various foods and beverages from some local restaurant and hotels through the use of internet, just by sitting at home or any place. And the order is delivered to the told location. Nowadays everyone is leaving busy schedule whether it is urban area or rural. But talking specifically about the urban areas and deeply about the big cities, people out there are so busy in their life that they don't get enough of time to have their meal s properly. As these days women are no less than men, in any field. So in big cities even wives are working women, therefore mostly the small families manage to have their food ordered from somewhere, as they lack ti rue. Not only this is the case, if we talk about the children in the modern era they like only fast food or something from the outside. But they ignore eating homemade meals. So food ordering system these days has one of the fastest growing market, though being a new idea. In this project we have developed something like the same to earn from and serve the nation in a much better way possible. Nowadays, people are more regular to dine-in at restaurant for their meals. The online food ordering system provides convenience for the customers that are nothing special but the general busy people of the society. It overcomes the demerits of the manual hotel or mess system and the old fashioned queuing system. This system enhances the readymade of foods than people. Therefore, this system enhances the speed of getting food in person's plate and quality and manner of taking the order from the customer. It provides a better communication platform. The user's details are stored using the electronic media. The online food ordering system provides the menu online and the customers can easily place the order by just clicking the mouse or by touching a button on their smart phones. Also with the food ordering system online, people can easily track their orders, and admin can maintain customer's database and advance the food delivery system. This food ordering system allows the user to select the desired food items from a list of available menu items provided by the local hotel or restaurant. The user can place orders for the food items of their like from the list. The payment can be made online or pay-on-delivery system. The user's details are maintained confidential because it maintains a separate account for each user. An id and password is provided for each user. In addition, several encryption techniques have been used on the server side to protect the card details. Therefore it provides a more secured and safe ordering system. The main goal of developing On line Food Order project is to change way of restaurant business. Customers who is free they can visit restaurant directly and they can order their favorite food. But customers who has busy in his work will not get time to visit his favorite restaurant. This project allows customer to order food items through online and ordered food items will be delivered to customers place. One of the various benefits of this is system is that if there is rush or a huge crowd present in the restaurant then in that case sometimes unavailability of tables cut downs the restaurants customer. Also there will be chances that the waiters are unavailable as they are busy in handling others, so the customer can directly order the food to the chef online by using this application, by checking the seat availability in the restaurant.

2. STUDIES AND FINDINGS

The PHP Hypertext Preprocessor (PHP) is a programming language that allows web developers to create dynamic content that interacts with databases. PHP is basically used for developing web based software applications. PHP started out as a small open source project that evolved as more and more people found out how useful it was. Rasmvis Lerdorf unleashed the first version of PHP way back in 1994. PHP originally stood for Personal Home Page, but it now stands for "Hypertext Preprocessor".(CSS) **Cascading Style Sheets** is a style sheet language used for describing the presentation of a document written in a markup language like HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.

CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts. This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate .css file, and reduce complexity and repetition in the structural content. CSS is used to define styles for your web pages, including the design, layout and variations in display for different devices and screen sizes. When tags like <font>, and color attributes were added to the HTML 3.2 specification, it started a nightmare for web developers. Development of large websites, where fonts and color information were added to every single page, became a long and expensive process.
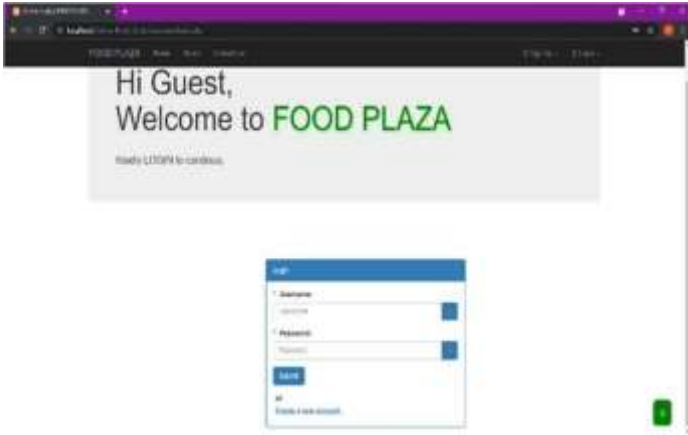
JavaScript often abbreviated as JS, is an interpreted programming language that conforms to the ECMA Script specification. JavaScript is high-level, often just-in-time compiled, and multi-paradigm. It has curly-bracket syntax, dynamic typing, prototype- based object-orientation, and first-class functions. Alongside HTML and CSS, JavaScript is one of the core technologies of the World Wide Web. JavaScript enables interactive web pages and is an essential part web applications. The vast majority of websites use it for client-side page behavior, and all major web browsers have a dedicated JavaScript engine to execute it. As a multi- paradigm language, JavaScript supports event-driven, functional, and imperative programming styles. It has application programming interfaces (APls) for working with text, dates, regular expressions, standard data structures.

3. DEVELOPING

Website development is the process of creating a computer program or a set of programs to perform the different tasks that a business requires. From calculating monthly expenses to scheduling sales reports, applications help businesses automate processes and increase efficiency. Every app-building process follows the same steps: **gathering requirements, designing prototypes, testing, implementation, and integration.**
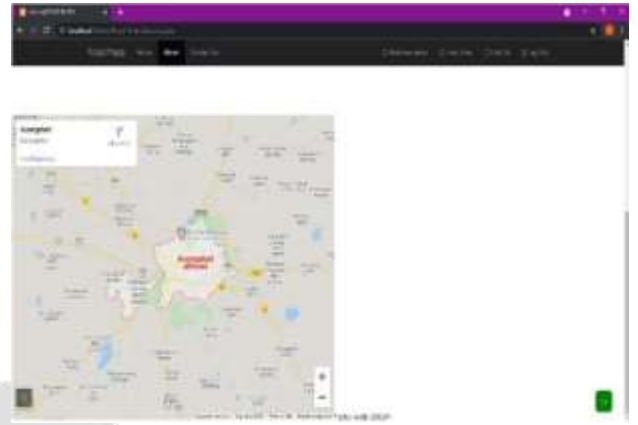

Fig 1
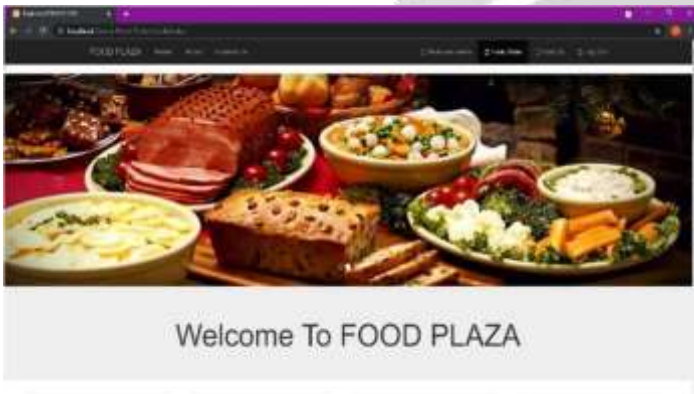Homepage of the Website.

Fig 2
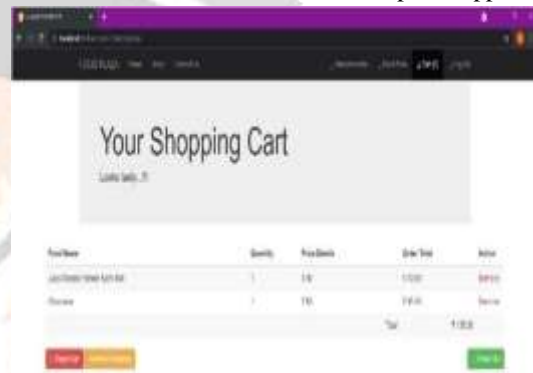
User have to register/login.

Fig 2

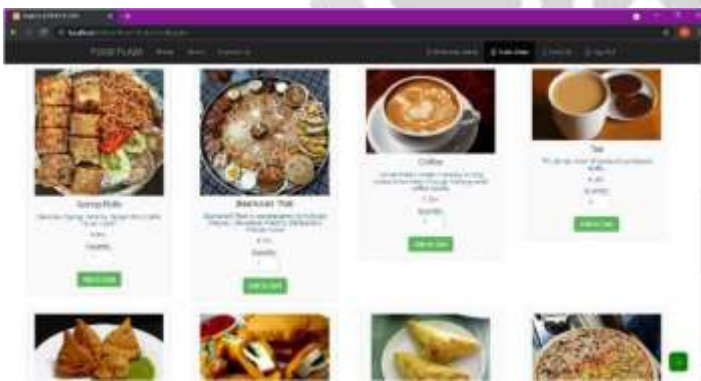When Customer clicks on About, A Map will appear.

Fig 3

Interface of the website.

Fig 3

This is shopping cart.

Fig 5

When Customer clicks on food Zone.

Fig 5

When Customer clicks on check out payment options will appear.

Fig 9

When Customer clicks on pay Online.

successfully !

Fig 10

Customer's Order placed

4. CONCLUSIONS

In this project we have learnt about PHP, CSS, Javascript and its simplicity, ease to make GUI, ease of Microsoft Access database. The ease of connecting the GUl to database. This project made a place in my very starting interest of the website development. Our project is only a humble venire to satisfy the needs to manage their project work. Several user friendly coding have also adopted. This package shall prove to be a powerful At the end it is concluded that we have made effort on following points. A description of the background and context of the project and its relation to work already dome in the area. Made statement of the aims and objectives of the project. The description of Purpose. Scope, and applicability. We define the problem on which we are working in the project. We describe the requirement Specifications of the system and the actions that can be done on these things. We understand the problem domain and produce a model of the system.

Our project is only a humble venture to satisfy the needs to manage their project work. Sevral user friendly coding have also adopted. This package shall prove to be a powerful package in satisfying all the requirements of the school. The objective of software planning is to provide a frame work that enables the manger to make reasonable estimates made within a limited time frame at the beginning of the software project and should be updated regularly as the project progresses. At the end it is concluded that we have made effort on following points. A description of the background and context of the project and its relation to work already done in the area. Made statement of the aims and objectives of the project. The description of Purpose. Scope, and applicability. We define the problem on which we are working in the project. We describe the requirement Specifications of the system and the actions that can be done on these things. We understand the problem domain and produce a model of' the system, which describes operations that can be performed on the system. We included features and operations in detail, including screen layouts. We designed user interface and security issues related to system. Finally the system is implemented and tested according to test cases.

5. ACKNOWLEDGEMENT

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