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Online Vegan Food Delivery System

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Abstract: The system proposed here signifies Vegan food delivery process. This system will allow restaurants to quickly and easily manage an online menu which customers can browse and use to place orders with just a few clicks. The system then relays these orders to restaurant's employees through an easy to navigate graphical interface for efficient processing.
Keywords: Vegan food delivery, customers, vegan vibes, food order etc.

I. INTRODUCTION

The food industry is highly labour intensive and the biggest expense in the food industry is the cost of employing the right kind of people to do the work. One of the ways to reduce this expense is to use modern technology to replace some of the jobs done by human beings and make machines do the work. Here we propose an "Online Vegan Food Delivery System".Through this website one can order various variety of vegan food from some local restaurant and hotels through the use of internet, just by sitting at home or any place.

II. RELATED WORK

Various case studies have highlighted the problems faced while setting up a restaurant Some of the problems found during the survey in the existing system are listed below:

1) To place the orders customer visits the restaurant, checks the menu items available in the restaurant, and chooses the items required, then places the order and then do the payment. This method demands manual work and time on the part of the customer.
2) When the customer wants to order over the phone, customer is unable to see the physical copy of the menu available in the restaurant, this also lacks the verification that the order was placed for the appropriate menu items.
3) Every restaurant needs someone or the other to take the order personally or over phone, to offer the customer a rich experience and even to process the payment.

Many restaurants are storing all their data in manual way. They have huge number of customers daily. So because of larger number of customers, they need the help of some features so they can maintain and stores the data accurately.
They need full-fledged software to maintain their day-to-day transactions, orders and also regular update on records, cash transaction, daily staff reports, customers feedback etc. In the proposed system our main focus is on vegan food and providing fast and efficient delivery to customers.

The main objectives of this system are:

a) To integrate with restaurant partners and provide an optimal experience to customers.
b) To create feedback module for customers as well as delivery staff.
c) To create a user-friendly UI where user can easily access the functions efficiently.
d) To create interface where customer can check for quantity of vegan food, they should intake.
e) To develop an interface for uploading stories, posts, follow each other's account etc.
f) To develop an interface where customers can change their food delivery location after ordering of food and can add voice instructions.
g) To create a customer interface where they can choose items they wish to buy and collect them to their wish list.

III.METHODOLOGY

The stimulation first starts with the customer entering his/her credentials (name, phone no, email id, password). Once that has been verified, the customer can place order or add them in Wishlist specifying the quantity of the food required. Now we get a window that displays the order number, Customer ID, food name, price and quantity. Once the customer finalizes his /her order, they are directed to the payment window where the total price is displayed and the customer can select the payment method and then the customer gets the confirmation mail or SMS.

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The above flow is wrt customer's point of view. Now if you are admin, you can select the normal login option and enter the admin credentials. Once you enter the admin portal, you get the option of adding food, deleting food or updating. Once the selected operation is carried out, the end result is the added food or the updated food list is displayed and if you have deleted a food, that particular food disappears from the main menu. And if you are a delivery person you will have the option whether to accept or reject the order. If you accept the order, you will get info about the customer i.e., his/her delivery address, phone number and voice instructions. And then system will send pop up to customer that you picked up their order. Customer will get timely pop-up notification about the order. And when the order is delivered customer as well as delivery boy has to give feedback.[1]
Some models of our system are:

A. Process Flow of our System

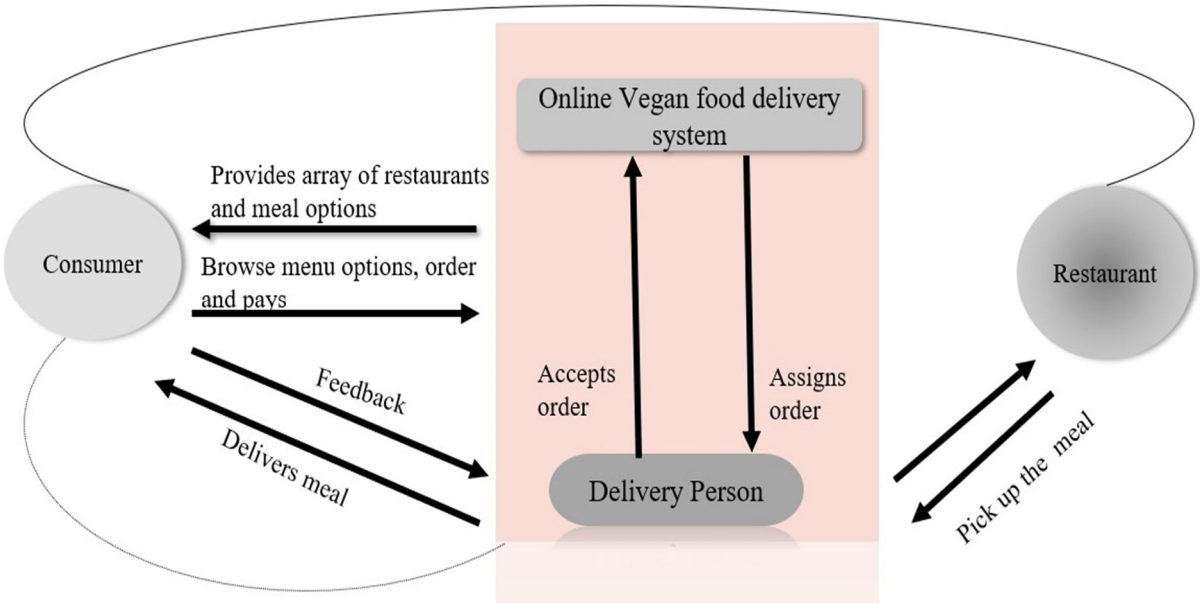


Figure 1: Process flow

B. UML Diagram

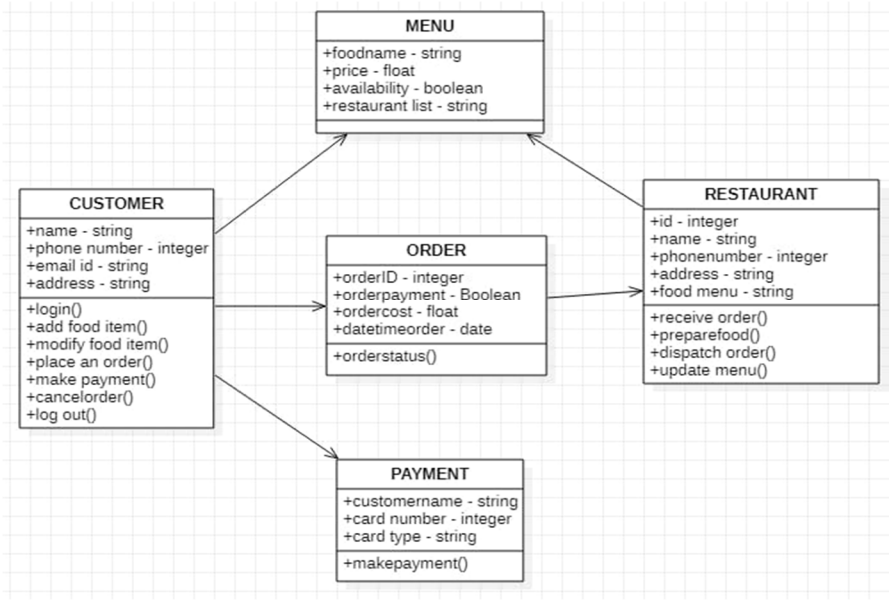


Figure 2: UML diagram

IV. EXPERIMENTAL RESULTS

Following are the results that one can draw from this system:

1) People can successfully order the food using the proposed system.
2) There will be a lesser requirement of staff at the back counter.
3) The customers can avoid the long queues at the counter, with a reasonable speed of execution and maximum throughput.
4) This system helps to do billing very easily.
5) Account maintenance becomes also easier and manager can keep track of their purchases, inventories, staff and customer details.
6) The software is provided with the facility to find out the food according to the customers preference.
7) As in existing systems customers cannot change location after ordering the food but in proposed system, they can change up to certain distance & time. [1]

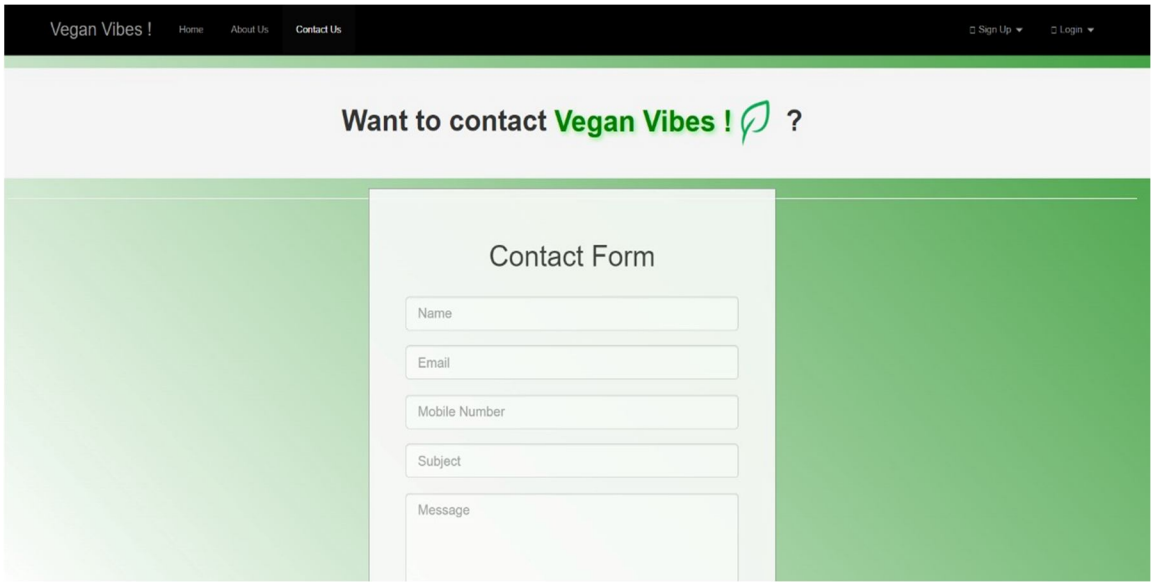


Figure 3: Homepage of Vegan Vibes (proposed system)

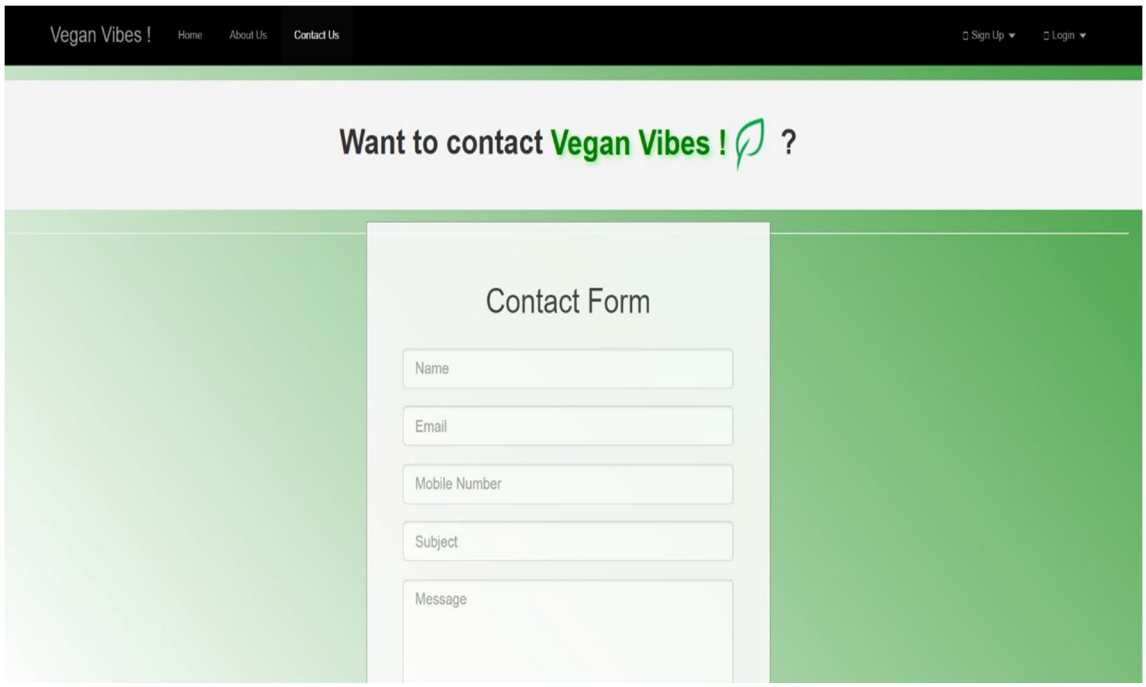


Figure 4: Contact form in case of any query

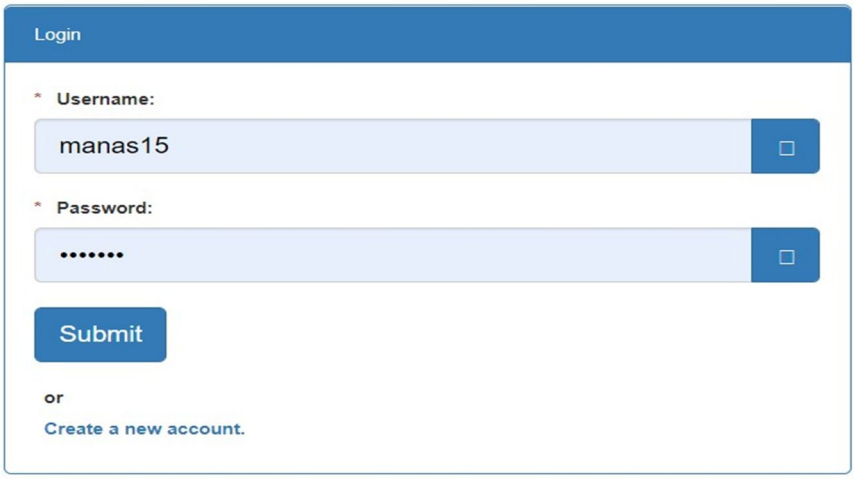


Figure 5: Login page

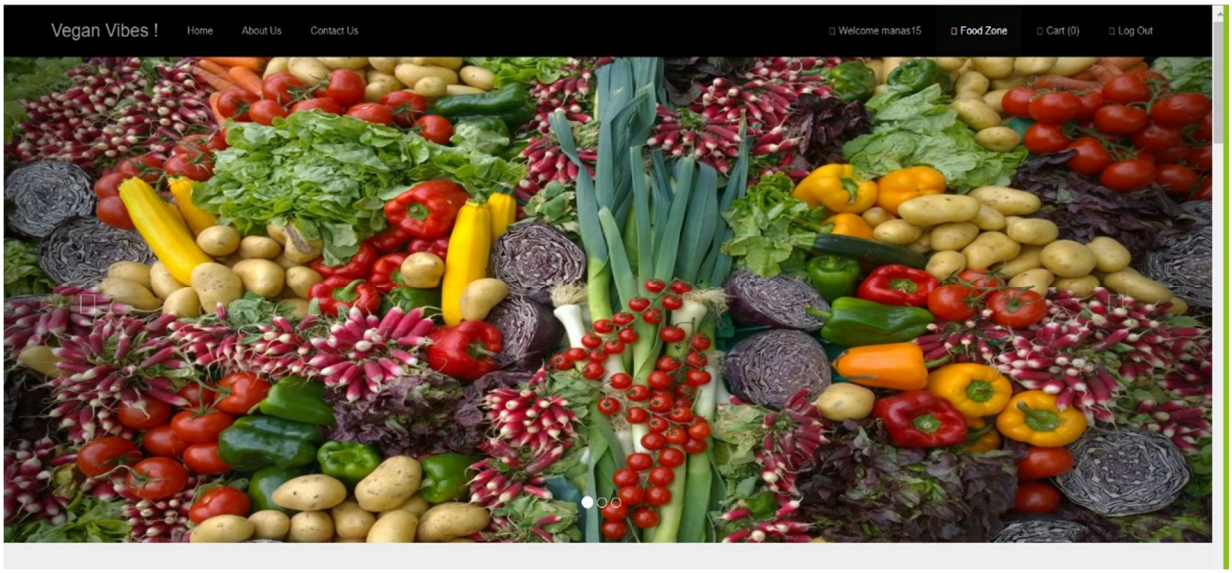


Figure 6: Food zone

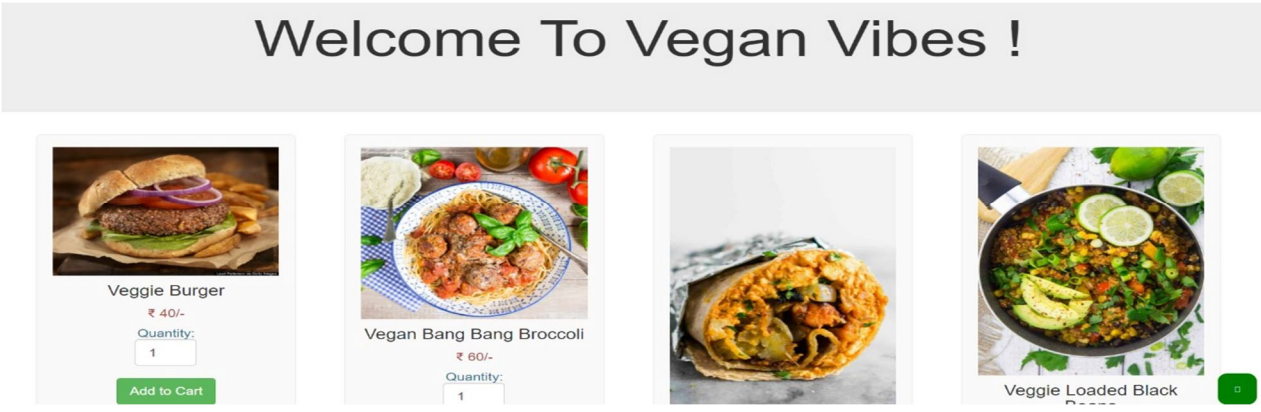


Figure 7 : Food Cart

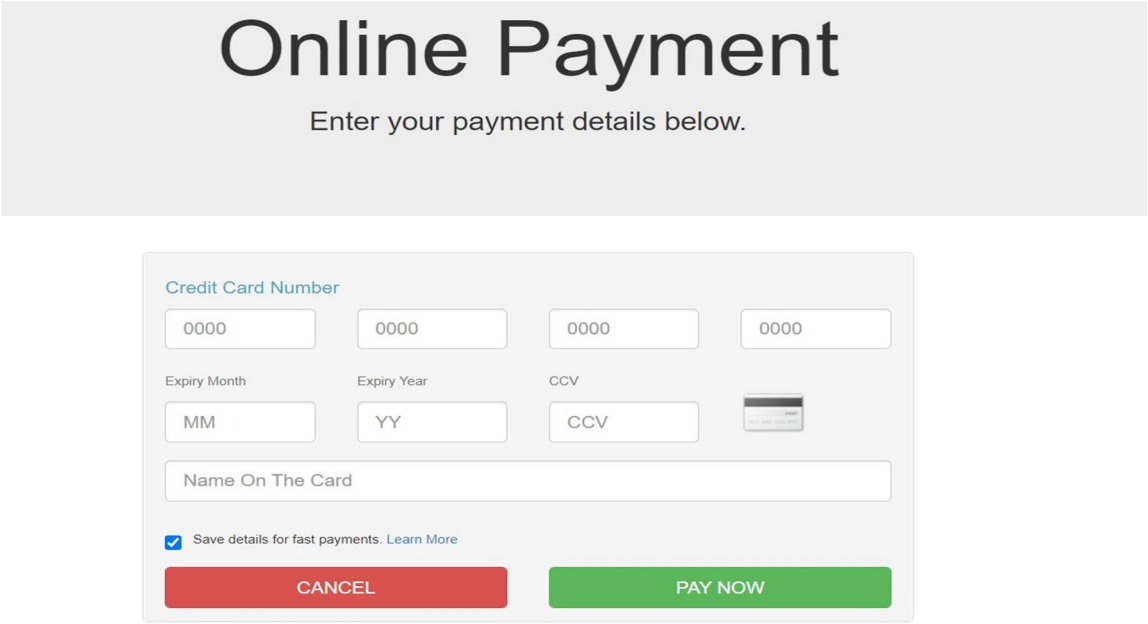


Figure 8: Payment mode

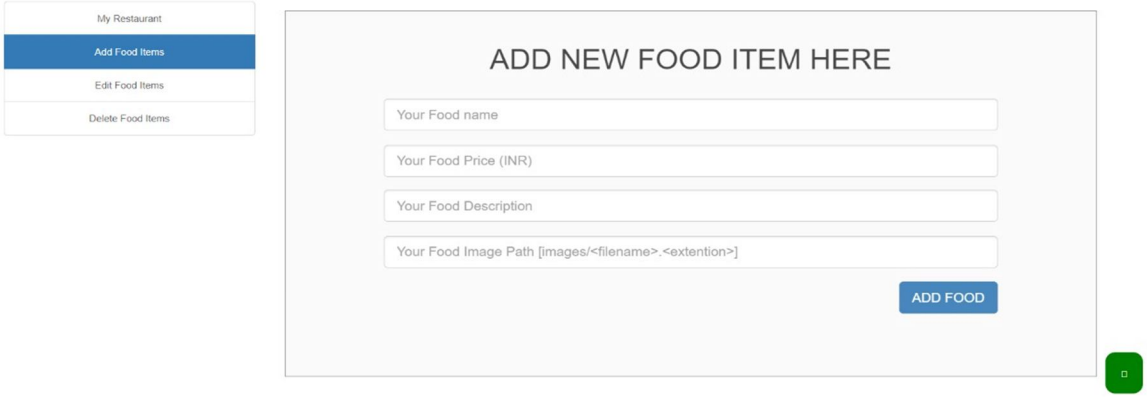


Figure 9: Manager login

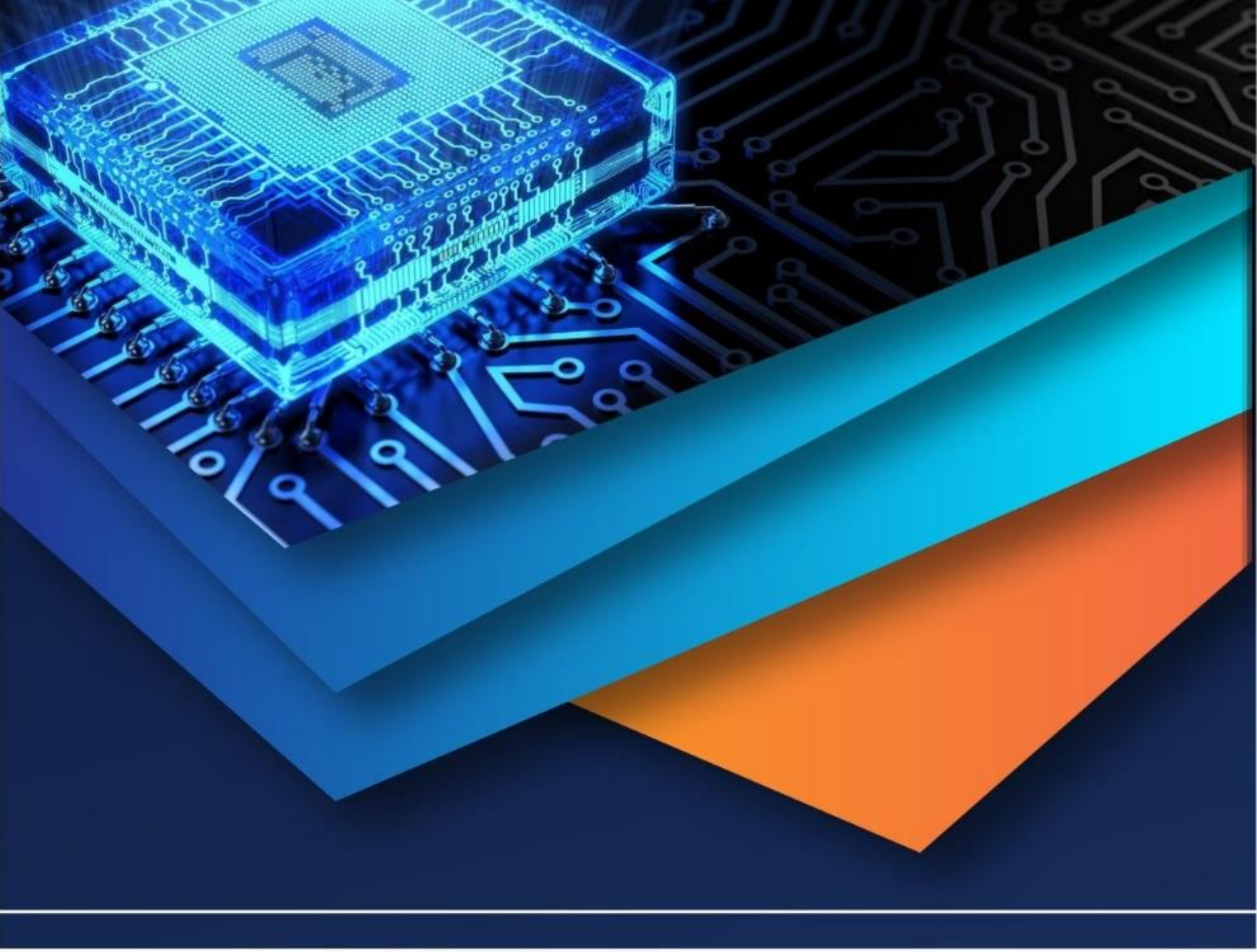
V. CONCLUSION

Online Food Ordering system is done to help and solve one of the important problems of customer [2]. Because Large number of customer can use the internet and phone. Various issues related to Mess/Tiffin Service will be solved by this system. Thus, implementation of Online Food Ordering system is done to help and solve one of the important problems of customer. It helps customer in making order easily and gives information needed in making order to customer place. Using the application, the end users register online, read the E-menu card and select the food from the e-menu card to order food online. Once the customer selects the required food item the chef will be able to see the results on the screen and start processing the food. This application nullifies the need of a waiter or reduces the workload of the waiter. The advantage is that in a crowded restaurant there will be chances that the waiters are overloaded with orders and they are unable to meet the requirements of the customer in a satisfactory manner. Therefore, by using this application, the users can directly place the order for food to the chef online.[1]

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