



Food Ordering Web Application for the Fitness freaks

Tarun Garg¹, Ms. Meenu Garg², Dr. Bhoomi Gupta³

¹Research Author, Maharaja Agrasen Institute of Technology, Rohini, Delhi, India

^{2,3}Assistant Professor, Maharaja Agrasen Institute of Technology, Rohini, Delhi, India

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ABSTRACT

The online food ordering system provides convenience for the customers. It overcomes the disadvantages of the traditional queuing system. This system increases the takeaway of foods than visitors. Therefore, this system enhances the speed and standardization of taking the order from the customer. It provides a better communication platform. The user's details are noted electronically.

The online food ordering system set up menu online and the customers easily places the order with a simple mouse click. Also with a food menu online you can easily track the orders, maintain customer's database and improve your food delivery service. This system allows the user to select the desired food items from the displayed menu. The user orders the food items. 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. Therefore it provides a more secured ordering.

I. INTRODUCTION

Online food delivery is a service in which a store or restaurant delivers food to a customer through the restaurant's website. Many restaurants are witnessing an increase in business, as ordering food online becomes more and more popular across the country. An online food menu is created in each mobile application. Mobile applications like Zomato, Swiggy, Uber Eats provide the customers countless varieties of dishes from different nearby restaurants and customers can easily place the order

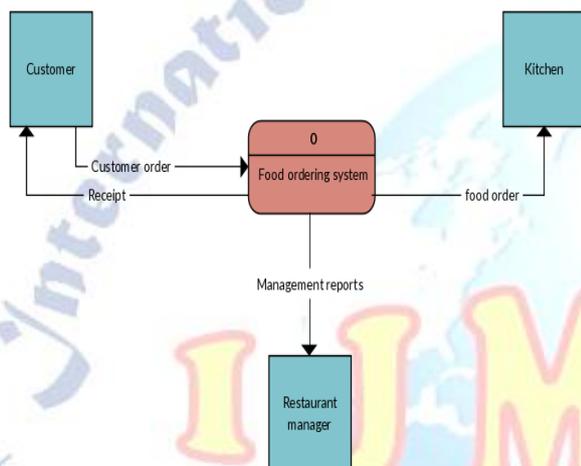
These mobile applications provide a tracking system where the customers become more acquainted with each progression of delivering. They place the order in the

respective restaurant and customers can track the order. The payment options include either online or by cash-on-delivery (COD) system. These apps also provide a feedback system where the users can provide feedbacks and recommendations, rate the food item and mode of delivering. Orders with discounted rates are more desirable for the customers. Besides, it is more convenient, reliable, and hassle free.

Another attractive feature of online food apps is that it is more cost-effective as it offers the users a large variety of expediency and preferences to pick from. Sources reveal that there has been a significant increase in restaurants and food businesses since users opt more for take-away and home delivery. Most users favor online apps as food-on-click feature makes it possible to get food

delivered right at their door instantly. This, in a way, has boosted the restaurant business widely. Unarguably, the increased reach of internet has benefited the customers in buying food online and the perception of online purchasing as well.

The main goal is to make people fit along with their daily lifestyle, user just have to choose 1 best suitable plan according to their diet and then everything is on us, we will make sure the most healthy, hygienic food will be delivered to them in least possible time.



II. METHODOLOGY

The online food ordering system provides convenience for the customers. It overcomes the disadvantages of the traditional queuing system. This system increases the takeaway of foods than visitors. Therefore, this system enhances the speed and standardization of taking the order from the customer. It provides a better communication platform. The user's details are noted electronically.

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Food Ordering is having many modules, which make the software more efficient and user friendly. The modules make the maintenance of the database easier. Every module is divided on the basis of the scenarios. The main three scenarios are

- User sign up
- Choose perfect subscription
- Payment Gateway

The different modules in this project are described below:

- Sign Up
- Plans.
- Reviews.

mouse click. Also with a food menu online you can easily

- Working of site.

track the orders, maintain customer's database and improve your food delivery service. This system allows the user to select the desired food items from the displayed menu. The user orders the food items. 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. Therefore it provides a more secured ordering.

The main idea of the project is to simply design and implement a website using HTML, CSS, JavaScript and

- Home delivery
- Our accessibility
- Payment

Menu Module:

In this module the number of food, their prices, offers etc. like details will store.

- Type of diet.
- Price.
- Duration of plan.

Express. The website consists of seven html pages namely

- Ratings.

the "Home", "Plans Page", "Signup Page", "Login Page",

- Delivery timings.

"User Profile", "Update User Profile" and "Update Password". Each page is designed using various concepts of HTML, CSS, Node, Express and MongoDB.

We use Node JS as a server and environment, Express as a middleware and MongoDB as the database to store the data. MongoDB is a cloud database (MongoDB Atlas) that is object based database. We use mongoose to make schemas that are set of rules upon which data is input and validated.

In modelling the website we used the MVC Architecture i.e. Model View Controller Architecture. Model deals with the data and business logic, View is the template part that is visible to the user and the controller controls input

and output and handles the functionality i.e. it is the actual engineering logic.

This application helps the user to do all functionalities more accurately and faster way. Food Set Go reduces manual works and improves health of user along with their regular routine. This application is helping users to maintain the diet.

III. FUNCTIONAL SPECIFICATION

Sources of Information

We have been to many users, to understand their process of maintaining diet and the level of efficiency they have in their healthy lifestyle and drawbacks of their existing diets. After visiting many such users and stores we thought of developing an application which will overcome the drawbacks of the existing systems.

Primary sources:

Web Sites

Discussion with owners of many restaurants. Suggestions from friends. Secondary sources: Reference Materials

EXISTING SYSTEM:

Description:

Many Restaurants stores and maintain their day to day transactions manually. But some of them are having automation system which is helping them to store the data. But such restaurants are storing the information about the orders and the customer information. They don't have facility to store the information of feedbacks and favorite orders of customers over some period of time.

Restaurants are having standalone applications so at one time, they have the facility of many screens or many operations which is happening at one time. So they are storing them and then at last, the restaurant managers will be able to see the data of last day.

The software which restaurants are using is very costly and their maintenance which is very high.

The software which we tried and get the information was called "Food Delivery". This software which is free for download but the user has to pay to choose their subscription.

Food Delivery:

Food Delivery aims to save trees by letting you manage reservations on a computer and, in the process, lets you keep track of regular customers. For such a high price tag, we weren't that impressed by its design and brief trial period; however, it gets the job done.

The user interface is pretty plain, but it's intuitive and easy to navigate even without the Help feature. Should you need it, it also contains helpful tutorials and tips for getting started and pinpointing any issues you might have. Command buttons for viewing and making reservations line the top of the window, along with buttons for viewing customer history and reports. We were able to jump right in and quickly create a new reservation. It was simply a matter of clicking the Make Reservation button and inputting all the required information, including name, time of reservation, and duration. There are also fields for entering the customer's address, phone, e-mail, and business information. It's not required, but will certainly come in handy for taking advantage of the customer history and report features. Our reservation immediately appeared in the program's main screen. Using the buttons at the bottom of the window, we were able to edit the entry, change the status (arrived, departed, seated, at bar, etc.), and even add a message.

Though we would have liked to have seen a longer trial period than the 10 uses offered, we were still able to get a grip on the program's functions and navigation. If you're looking for a way to enter and manage reservations, this is a good tool to have on-hand.

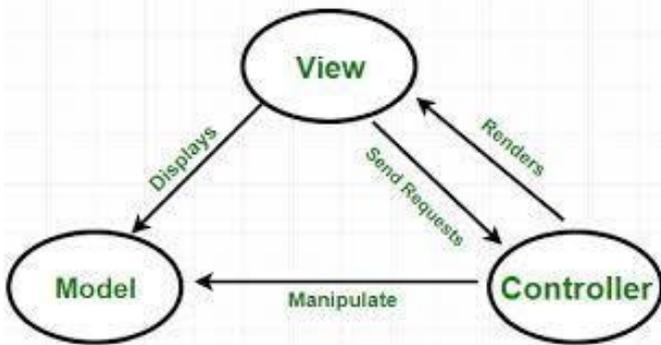
PROPOSED WORK

Being a web application, it will require some web hosting cost. Since there will only be transfer of 64 bits of data therefore bandwidth usage will be very low. Main technology and tools associated with like Node, React, MongoDB and IDE like Visual Studio Code

We have implemented MERN stack Development. What is MERN Stack Development?

MERN stack is the name given to a set of JavaScript based technologies used in developing web applications. MERN is the acronym name given to the set of technologies including MongoDB, Express JS, React JS/ Redux and Node JS. Among these technologies MongoDB is a database system, Node JS is a back-end runtime environment, Express JS is a back-end web

framework and React is a front-end framework.

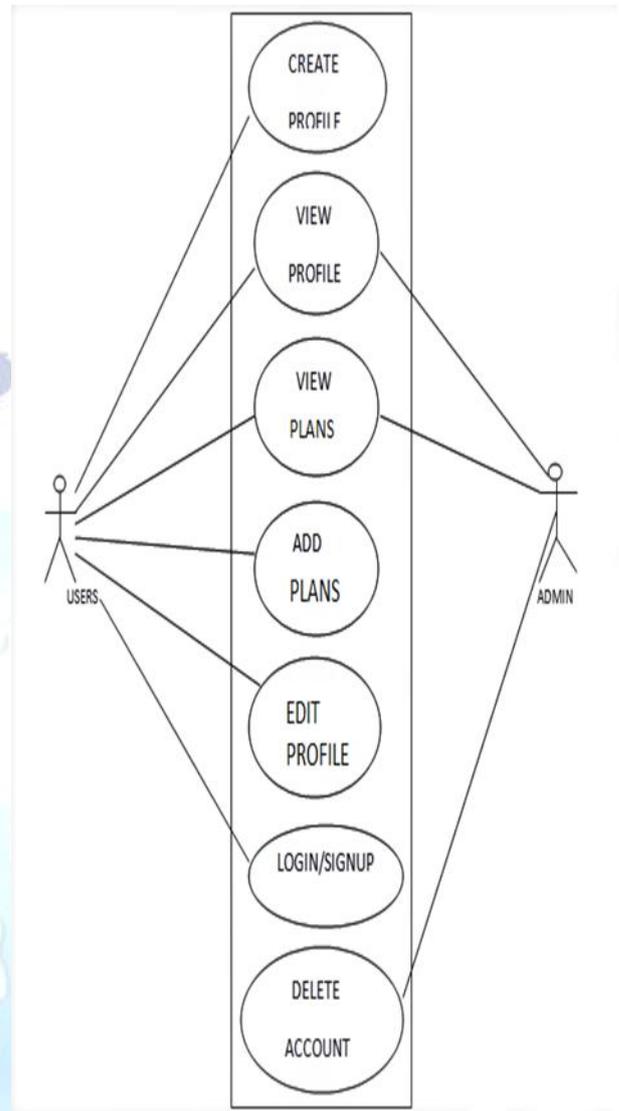


IV. DESIGN

Use Case Diagram

Use Case diagrams are used to identify the primary elements and processes that form the system. They are also great storyboard tools for user meetings. They define the requirements of the system being modeled and hence are used to write test scripts for the modeled system

Fig. 3.1 Use Case Diagram



Actors in our case is user and admin. And use cases are create profile, view profile, view posts, add posts, add like/comments on posts, login/signup, delete account.

Create profile: New user can create profile by providing his details.

View profile: User can view other developers' profile.

View plans: User can view other developers post.

Add plans: User can add post.

Login/signup: New user can sign up to create his account and an old user can login to view his dashboard.

Delete account: This is done by admin

6.IMPLEMENTATION

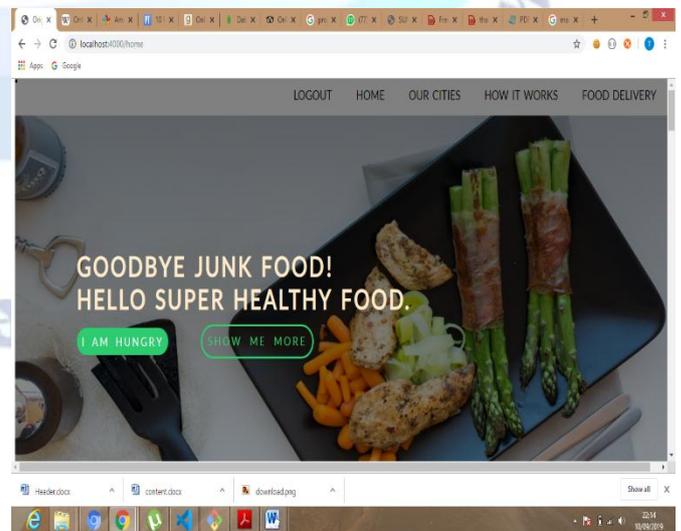


Fig HOME PAGE

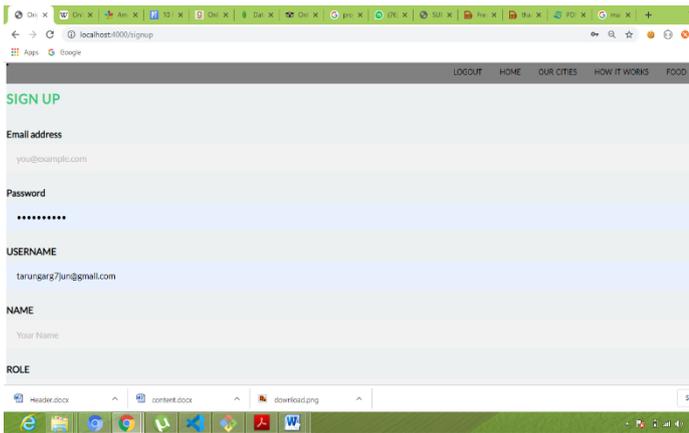


Fig Sign Up

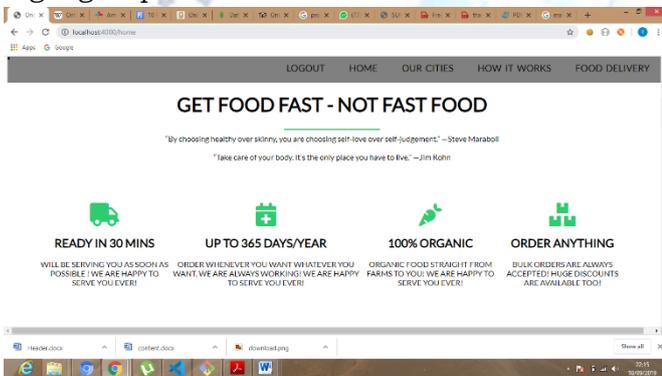


Fig ABOUT THE SITE

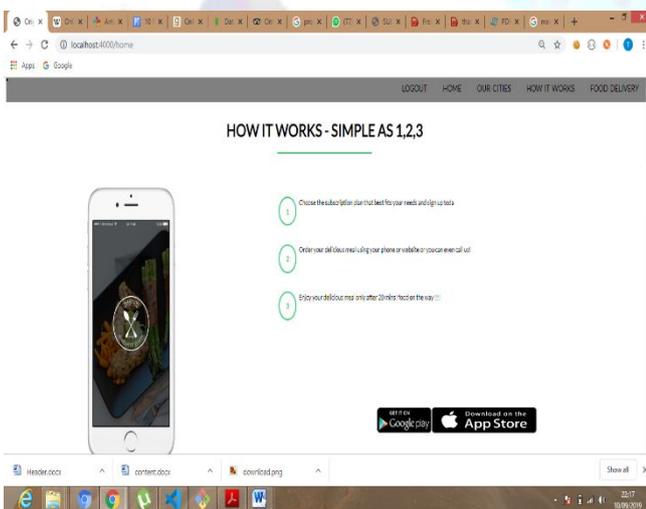


Fig WORKING

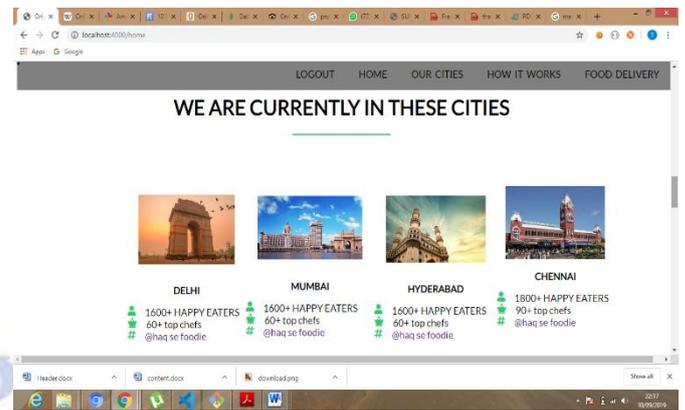


Fig 5.6 ACCESSIBILITY IN CITIES

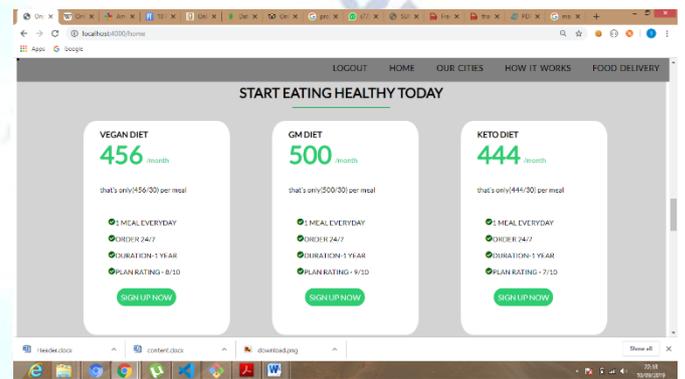


Fig AVAILABLE PLANS



Fig REVIEWS OF OUR CUSTOMER

7 .CONCLUSION

Apps for food delivery have now become a major hit in Indi

a. There are several food

delivery apps in India that can be downloaded from the comfort of homes on smart phones to order food on the go. On analyzing the consumer perception of online food delivery applications in Kochi, it can be concluded that online

food ordering system has its benefits and limitations. The chief reason of electronic ordering

is convenience. Based on the result of this research, it is understood that online food delivery application helps customers in the easy and fast ordering of food. It gives every detail of the customer's order, thereby providing the best customer service. The tracking system is an added advantage for the users. Online food ordering system maintains the service provider to keep a database and enhance the customer experience. Through the survey conducted, it was found that majority of users think that people opt for online food delivery applications as it requires only less human interaction and that online food ordering has made an impact on the traditional way of dining together.

The study discloses that youngsters are more inclined to online food delivering system as compared to elder people. The study poses ease and convenience as the most influencing

factor on online food ordering. The second most influencing factor is faster delivery and more restaurant option; the next most influencing factor is discounts and special offers.

The study highlights that users often place orders on weekends and holidays..

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