



FOOD MAGIC: ONLINE FOOD ORDERING AND DELIVERING SYSTEM

Pradeep Suthar, Amrita Agrawal, KinalKukda, Kajal Joshi
Geetanjali Institute Of Technical Studies, Affiliated to Rajasthan Technical University
Department of computer science & engineering, Udaipur(rajasthan)
Vishal Jain(Assistant Professor ,CSE, GITS)
Dabok ,Udaipur(Rajasthan)

Abstract: A Food Magic System is proposed here which simplifies an online food ordering & delivery platform. It works by providing a complete food ordering & delivery solution that connects the existing restaurants nearby and provides the best and healthy food for the customers. The proposed system mainly focuses on the users that can order food online and update the menu with all available options so that it eases the customer work. It manages all the details of item category, food delivery, address, order and shopping cart. The online food ordering system gives restaurants the ability to increase sales and expand their business by giving customers the facility to order food online.

Keywords: -Online platform, Automated food ordering system, Dynamic database management

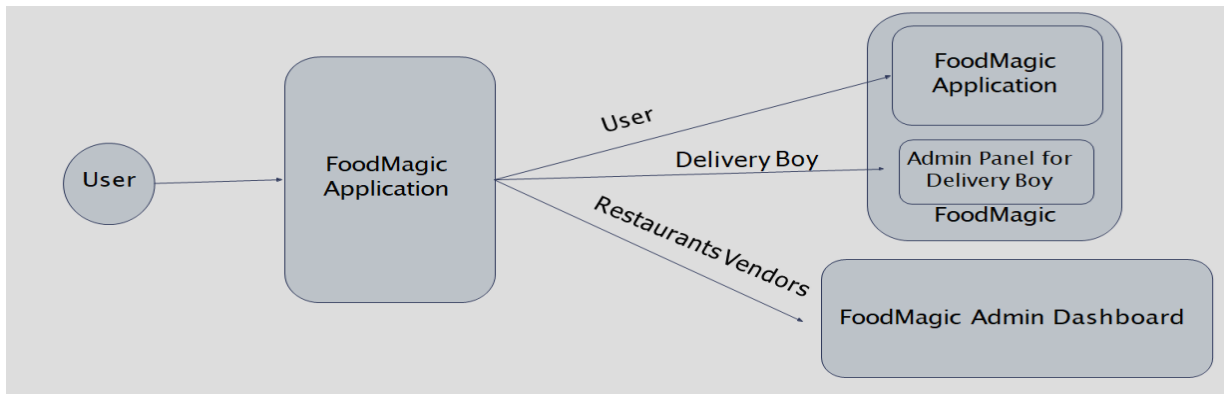
I. INTRODUCTION

An online food ordering system is a web based application that stimulates the foodies/customers to put orders through the internet by locating their favorite restaurants or nearest one. So Food Magic will be the best option for online ordering & delivering the food items. This simplifies the process of food ordering for both the customers and restaurants can place orders on the Food Magic application. The restaurant's vendors can list their own food menu and manage their own restaurant details using the admin panel. With an online food ordering system, we can set up a restaurant menu online and the customers can easily place orders. Also with a food menu online we can easily track the orders, maintain the customer's database and improve the food delivery service. The main goal of this project is to maintain the restaurants function in an effective and accurate manner and also it is reducing the use of manual entries. This software helps the food orders to maintain day to day records in the system. It is keeping a proper record of the database.

II. METHODOLOGY

This project contains two sides- an admin side and user side. All the management like editing site contents, updating food items, adding restaurants, and checking order details can be managed from the admin side. For the user section, the user can go through the homepage, about, and contents pages. Hence this project makes a convenient way for customers to buy/purchase food online without having to go to the restaurants.

The method first starts with the customer entering his/her Mobile number and verifying the number with OTP. Once that has been verified, the customer can put his/her details (first name, lastname, email ID) and place an order in our Food Magic application. 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 redirected to the payment window where the total price is displayed and the customer can select the payment method of their choice and then the customer gets a message of confirmation of order. Now if you are an admin, you can select the login option and enter the admin details (email ID and password). Restaurant vendors can manage all the food items, restaurant details and delivery boy using the Food Magic admin panel. Delivery boys can track the order details and update the order details using the Food Magic delivery app.



Fig(a): Users role in food magic application

● **SOFTWARE REQUIREMENTS**

Angular :Angular is a TypeScript-base open-source web application framework led by the Angular Team at Google. Angular is a platform for building mobile and desktop web applications.

Firebase :The Firebase Realtime Database is a cloud-hosted NoSQL database that lets you store and sync data between your users in real time and provide any authentication options like google sign, phone authentication, social media authentication etc.

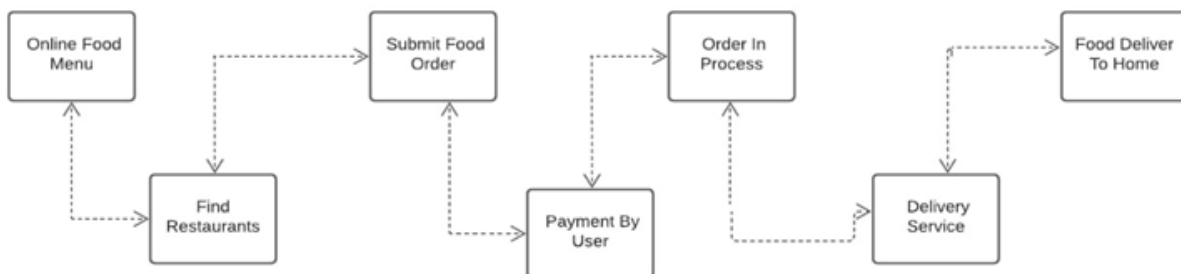
DjangoREST framework: Django REST framework is a powerful and flexible toolkit for building Web based RESTful APIs.

● **HARDWARE REQUIREMENTS**

A desktop computer with Intel Core i3 64 bit processor and Graphic card 1 GB RAM, and Microsoft Windows 10 operating system was used.

III. MODELLING AND ANALYSIS

Now-a-days, the Internet has seen tremendous growth in terms of coverage and awareness. So giving the business an online presence has become very crucial and important. By analysing this project gives the restaurants the ability to increase sales and expand their business. This application reduces manual work and improves efficiency of restaurants. This application helps to maintain the stock and cash flows. The software is provided with the facilities to find out the favorite food of the customers, seasonal foods or customers to add or modify and delete their feedback and suggestions.



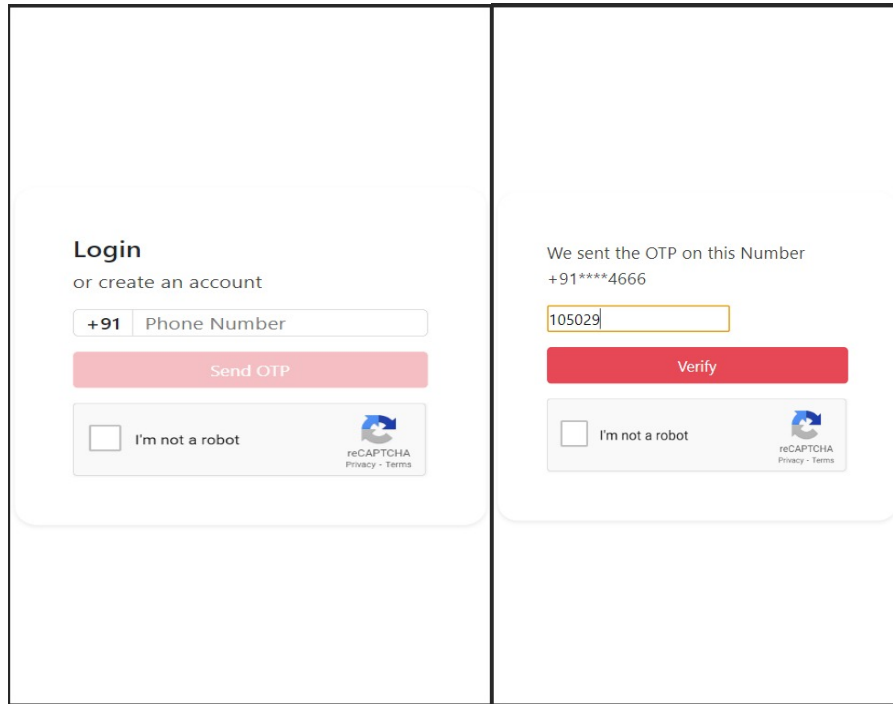
Fig(b)- Process model in a food magic application.

IV. RESULTS AND DISCUSSION

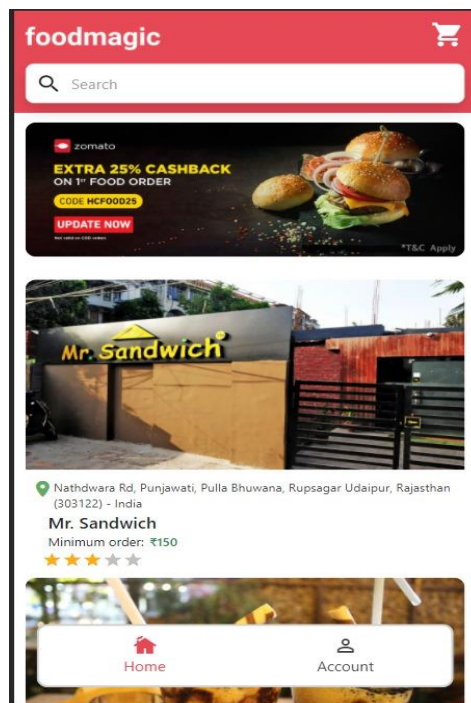
With the help of this system, customers can easily order food. It can also ensure that the people do not waste their precious time and use their time efficiently in the other works. In the long run, this will ensure that it helps to reduce labour cost. This system

proves to be more cost effective and reliable over other systems. . It is very easy to use and has the least maintenance. It does not require any human intervention and thus can be called fully automated.

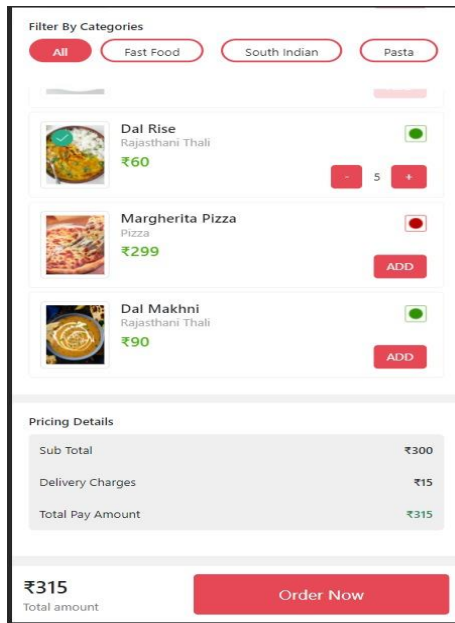
Following are the screenshots that can be described to this project-



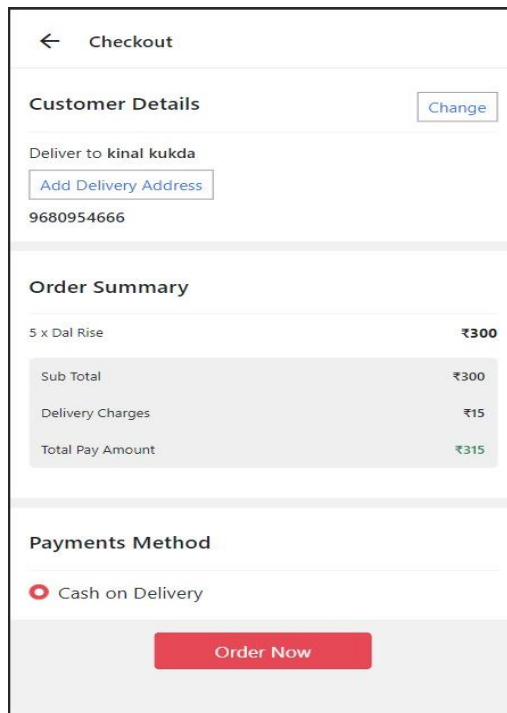
Fig(c):-This snapshot shows the login page of Food Magic Application.



Fig(d)-This snapshot shows Home page of a food magic application



Fig(e)-This snapshot shows the order page by which customers can order food.



Fig(e)- This is the snapshot of the checkout and payment page through which customers can order and pay the bill.

V. CONCLUSION

In conclusion , an online food ordering system is proposed which is useful for customers and through which restaurants can also run. This project can later be expanded on a larger scale. It is developed for restaurants to simplify their routine managerial and operational tasks and to improve the dining experience of the clients. This also helps the restaurant owners develop healthy customer relationships by providing reasonably good services. The system also enables the restaurant to know the items available in real time and make changes to their food and beverage inventory based on the orders placed and the orders completed.

VI. REFERENCES

- [1]. KirtiBhandge, TejasShinde, DheerajIngale, Neeraj Solanki, ReshmaTotare, "A Proposed System for Touchpad Based Food Ordering System Using Android Application", International Journal of Advanced Research in Computer Science Technology (IJARCST 2015).
- [2]. VarshaChavan, PriyaJadhav, SnehalKorade, PriyankaTeli, "Implementing Customizable Online Food Ordering System Using Web Based Application", International Journal of Innovative Science, Engineering Technology (IJSET) 2015.
- [3] Rituparna Das, Mayank Patel (2017), "Cyber Security for Social Networking Sites: Issues, Challenges and Solutions", Volume 5, Issue IV, International Journal for Research in Applied Science and Engineering Technology (IJRASET), ISSN : 2321-9653 Volume 12 Number 4, DOI : 10.22214/ijraset.2017.4153, pp. 833-838
- [3]. ReshamShinde, PriyankaThakare, NehaDhomne, Sushmita Sarkar, "Design and Implementation of Digital dining in Restaurants using Android", International Journal of Advance Research in Computer Science and Management Studies 2014.
- [4]. AshutoshBhargave, NiranjanaJadhav, Apurva Joshi, PrachiOke, S. R Lahane, "Digital Ordering System for Restaurant Using Android", International Journal of Scientific and Research Publications 2013.