



FOOD ORDERING APP

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Abstract—This research aims to develop an ordering food application based on mobile with new orders, a history of the orders, and delivery orders, with a payment gateway. Youngsters are coming up with new ideas and with innovative concepts. Previously, the traditional system is used by most of the food industry but after passing time, the customer is increasing more and more by which online food ordering system introduced. The increase in the use of smartphones has grown to a variation of mobile apps. Ordering food online has been traced to a significant increase in urban areas. Presently online foodstuff of India is \$350 billion. The arrival of firms in food delivery via mobile apps business is giving to be a profitable one. This paper further targets drivers of online food sites. The application gives fully completely different services that produce shoppers happy. Shoppers are further liable for online food ordering because of comfort and convenience. Online food ordering growing effectively by urbanization.

Keywords—food ordering, menu, food delivery

I. INTRODUCTION

Online food ordering is a procedure that delivers food from home cookers, original cafes, and other food cooperatives via mobile exertion or websites. This system of food carrying fashion capability with farther and farther people especially teenagers turning to mobile food ordering apps, thereby changing the system of food delivered and picked up. A food delivery app that gives food delivery at your door in a veritably small time and with the stylish profit. Guests prefer using the food ordering app over ordering food online. The customer can lay an order without having to explain it to another mortal being and have the food delivered to his doorstep. The apps are organized to search for original cafes and cuisine types. The entire menu is displayed on the app and the customer has to choose from the menu with a click of a button. Still, the app requires to be downloaded by the guests on their mobile phones, and register themselves on the app by creating their profile which will have their address and payment information. The payment is generally cashless via a credit or disbenefit card. The apps will vary from each other in terms of features offered and by perfecting the quest, predicated on utmost order, pricing, order history, customer review, elevation, etc. The number of food delivery mobile app businesses is developing at a fast-moving and contending with the food delivery section of the eatery request. The consumers are being choosy, given the number of options that are available for them in this member. Some of the most popular mobile delivery apps are Food Panda, Zomato, Swiggy, Tasty Khana, and Fresh Menu.

LITERATURE REVIEW

Ms. Pravina Kumari and Prof. anil kumar yadav etal. describes in their paper that consumers prospects for food delivery services have risen, as the volume of providers available and the quality of those services have bettered. The services are helpful in locating cafes that specialize in certain cookeries. The study tries to identify most favored app used by consumers for ordering food online and the factor leading to considered it a most preferable app. There are numerous factors related to the ordering gets of the consumer- similar as price, on-time delivery, packaging, eatery option, platform design etc.[2022].

R. Ramesh, sundramurthy V.P, Bashyam sasikumar, B.S Kirthika Devi, P. Prasath, S.P Rachel Kamala describes the study about characteristics that are food delivery, online food delivery, digital orders, mobile apps, the scientific achievement of urbanised locales with the relation of the lower classes and discovery to brainwashed culture is boosting the growth of food delivery operations and eatery diligence in india. The convenience of druggies is the primary ideal. Apps of food delivery have proven to be big success in india. As people are veritably well about all its operations and services. This papers action would be to review theoretical background in colorful aspect of food sector apps.[2022].

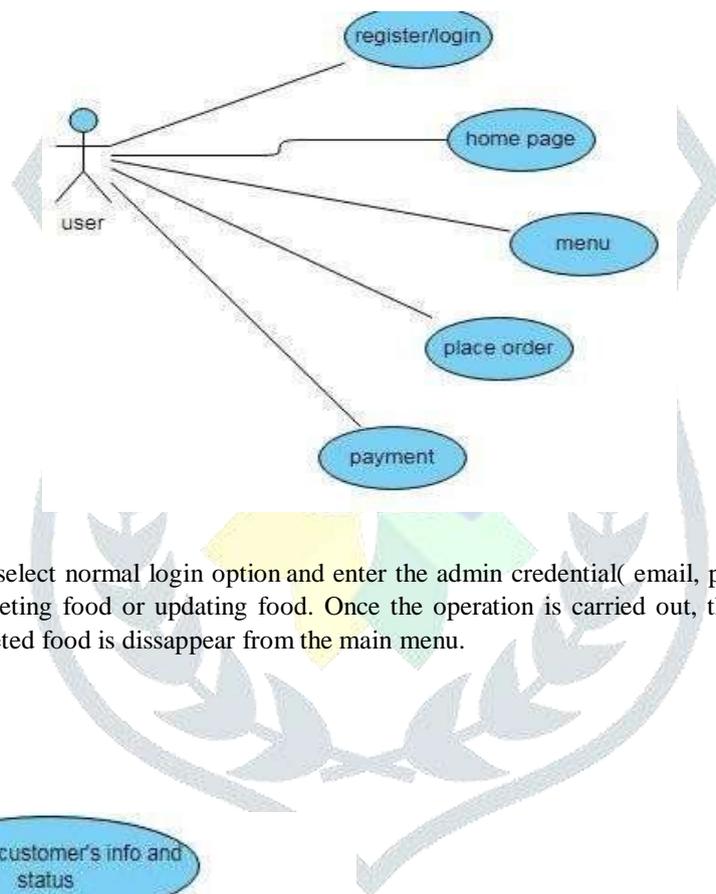
Shahedul hasan, md. Imran hossain shohang, imtiaz uddin chowdhury, rubab miswar and md. Ashaduzzaman describes the study about characteristics that are food delivery apps, covid-19, price value, service quality, delivery experience, ease of use, convenience. The primary goal of this research is identify the factors influencing consumer intension to use food delivery apps during COVID-19. Result show that price value and convenience are the most influential factors affecting the intention to use FDAs during COVID- 19.[2022].

Muskan jain etal. describes in their paper to make an online food ordering operation named “ Savorer ”. It includes the “ satisfaction of consumers by using online food services ”. It will help to deal with consumer gets and helps to assay their perception and will also help us to understand consumer equilibrium.[2021].

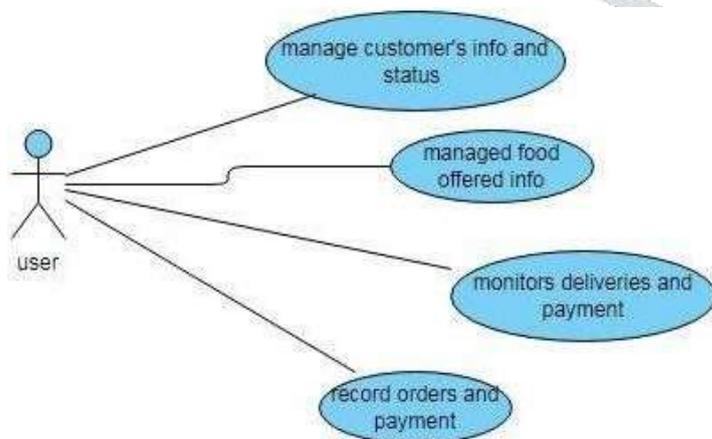
Prof. Rohini gurav etal. describes the online food ordering app designed for use in the food delivery assiduity. This system will allow hospices and cafes to increase compass of business by reducing the labour cost involved. The app also allows snappily and fluently manage an online menu which can consumer browse and use to placed order in just many click. Also, you can fluently track the orders, maintain client’s database and bettered your food delivery services. The allows numerous function like select asked food item from displayed menu[2021].

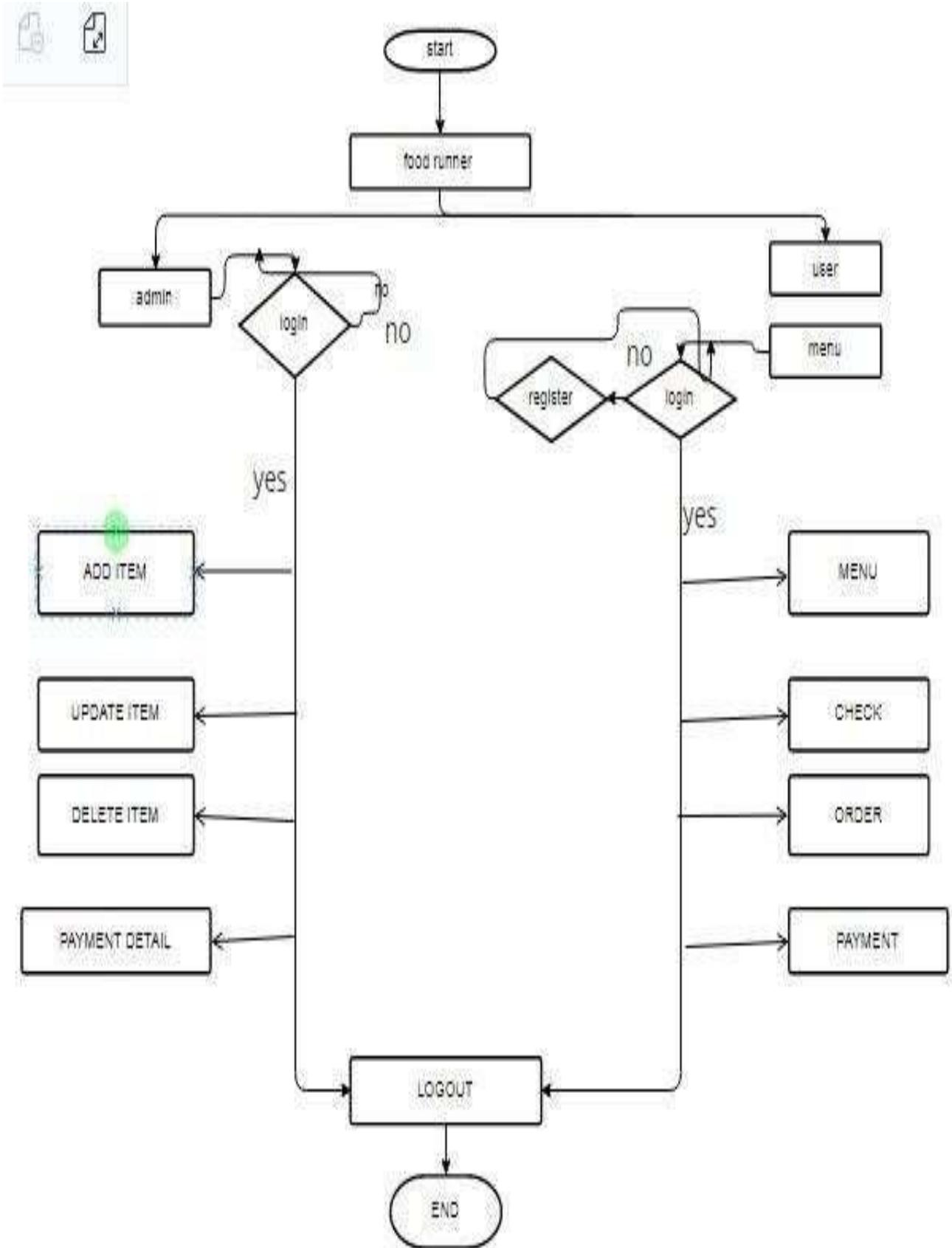
METHODOLOGY

order with volume. Now we get a window that displays the order number, client ID, food name, price and volume. Once A client follows while going through a operation are the order finalizes also client directly reach on the payment as follows In this process client entering his/ her window and do payment and get a evidence of order. The credentials like(name, ID, word). Once that has block illustration and ER illustration of the proposed online vindicated. They comes on home page.After comes on food ordering system. home runner, client select menu option and placed an



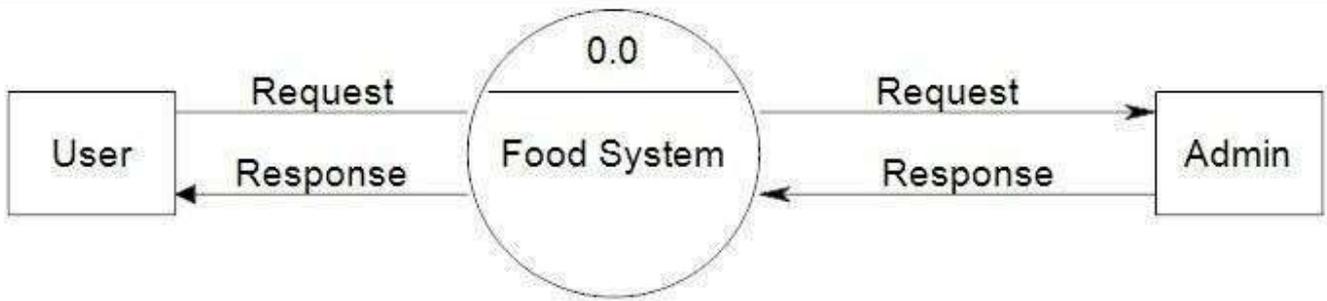
Now admin point of view , you select normal login option and enter the admin credential(email, password), you can enter the admin portal ,you can adding food, deleting food or updating food. Once the operation is carried out, the end result, all the updating and adding food is displayed and deleted food is dissappear from the main menu.





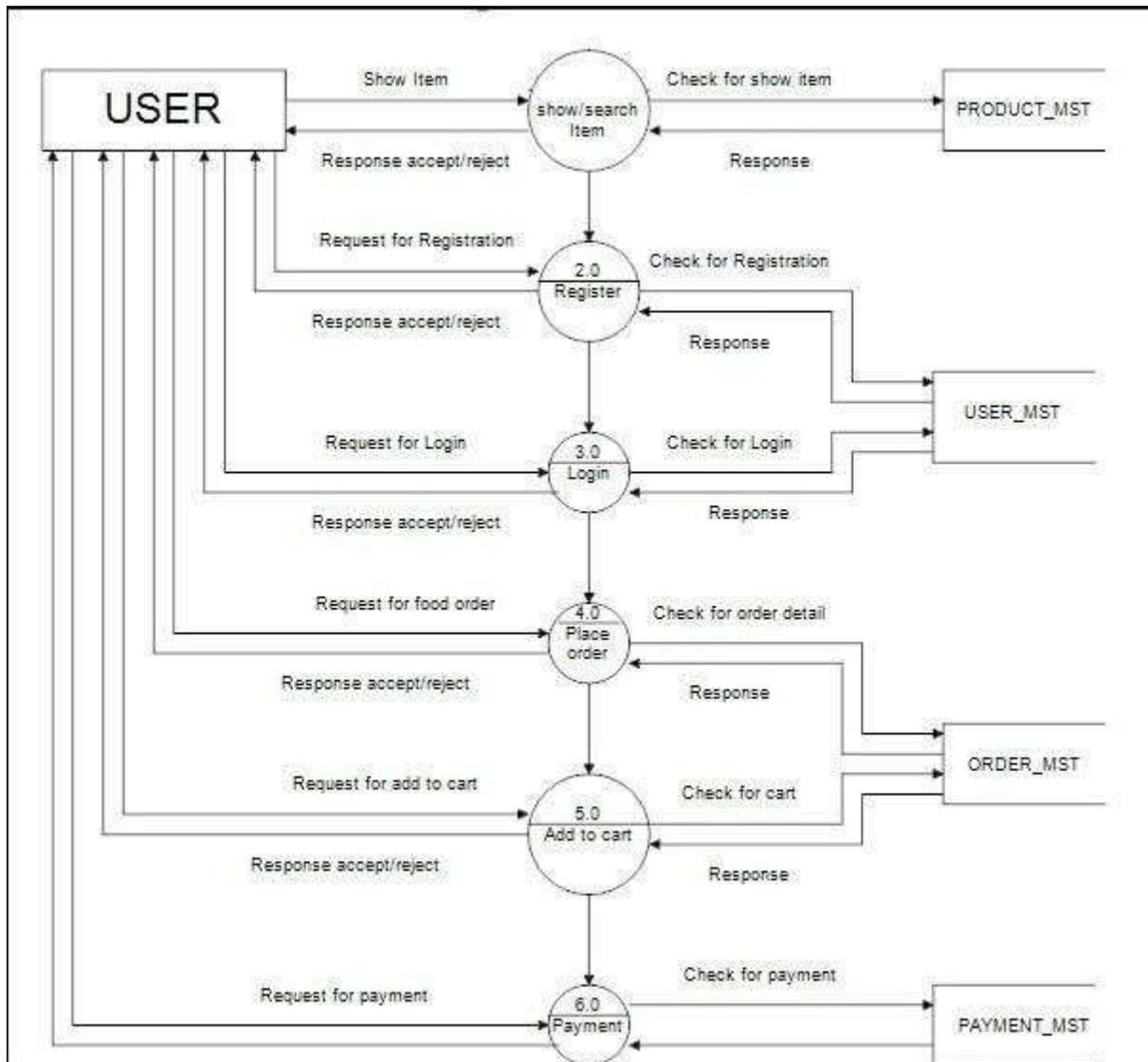
FLOWCHART OF FOOD ORDERING APP

Fig:3



DFD OF FOOD ORDERING APP

Fig:4



DFD 2 OF FOOD ORDERING APP

Fig:5

S.no	Title	Author	Journal	Abstract	Advantage
1.	The Online Food Ordering System (May – 2022)	Kondra Revathi Satya, Ch Teja, Ashish Shrivastava	International Journal of Creative Research Thoughts - IJCRT Volume 10, Issue 5 May 2022.	The net Food Ordering System delineated during this paper has been designed to fill a particular niche within the market by providing little restaurants with the facility to supply their customers a web ordering possibility	The advantage is that in a very jammed eating place there will be the probability that the waiters are overladen with orders and that they are unable to fulfil the wants of the client.
2.	Online Food Delivery App 'Foodie' (July - 2021)	Muskan jain	Journal of university of shanghai for science and technology volume 23, issue 7, july - 2021	In this research consumer satisfaction is included. It will also analyze consumer experience and perception by review	It is available 24*7 available.it saves time and money, paper waste is also reduced.
3.	Online Food Ordering Management System (Nov - 2020)	Prof. Rohini Gurav, Sonali Jathar, Ashravnti Lavhare , Omkar Khadul	International Journal of Innovative Research in Computer and Communication Engineering Volume 10, Issue 4, April 2021	The online food ordering application provides convenience for the customers. this technique increases the takeaway of foods than visitors. the web food ordering app set up menu online and the customers easily places the order with a simple click.	Online Payment, Registration and cancellation made it easier for customers.
4.	Online food ordering system(2022)	Shubham Patil	Ijreset journal for research in applied science and engineering technology.(2321-9653) 2022-07-05	The hotel personnel will also be advised of any quality and improvement issues. Both online and pay-on-delivery payment methods are available. By giving each user a unique ID and password, separate accounts are maintained for each user for more secure ordering.	this system has a feedback feature that allows users to rank the food products.
5.	A Study on Impact of Online Food delivery app on Restaurant Business special reference to Zomato and Swiggy (2019)	Dr. Mitali Gupta	International Journal of Research and Analytic al Reviews- (IRJAR) Volume 6, ISSUE 1 I JAN.– MARCH 2019	The recent development of the web has boosted the extension of on-line food services by facultative individuals to travel looking, compare costs and handily access these services	The food ordering mobile apps offer flexible payment options for customers
6.	Online Food Ordering System (July - 2019)	Adithya R., Abhishek Singh	International Journal of Computer Applications (0975 – 8887) Volume 180 – No.6, December 2017	It overcomes the disadvantages of the traditional queueing system. 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	an automated food ordering system is presented with features of feedback and wireless communication. The proposed system would attract customers and adds to the efficiency of maintaining the restaurant and mess ordering and billing sections.

7.	An Analysis of Online Food Home Delivery and its impact on restaurants in India (April 2019)	Anupriya saxena	International journal of advance research in computer and communication engineering – (IJARCCE) Volume 8, Issue 9, April 2019.	In this research, we would understand drivers of online food sites.	Ordering online is human error and intervention free.
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Table 1: Comparative Study

RESULTS

The colorful paper reviewed for the relative study for the food ordering operation has its own set of advantages and limitations. The Online Food Ordering System has the advantage is that in a truly jammed eating place there will be the probability that the waitpersons are overladen with orders and that they're unfit to fulfil the wants of the customer. Online Food Delivery App ' Foodie ' has the advantage is that this operation is it's 24 * 7 available; it saves time and plutocrat; paper destruction is also reduced. A Study on the effectiveness Of Online Food operations on Registered cafes has the advantage is that through the foreword of this online food delivery system the quantum of order which they entered and the deals have increased. Online Food Ordering operation has advantage is that online Payment, Registration and cancellation make it easier to use. Online Food Ordering Management System has advantage is that this operation is salutary to all the wallflowers who stagger to interact with others. An Analysis of Online Food Home Delivery and its impact on cafes in India has advantage is that ordering online is quick and mortal error and intervention free. A Review of the Usable Food Delivery Apps has advantage is that online food ordering eases the food delivery process. A Study on Consumer Satisfaction and Preference Towards Online Food Ordering operations has advantage is that guests order for food and get it delivered consequently and also to reduce the long ranges of guests at the counter ordering for food and to reduce the work weight on the workers.

CONCLUSION

The online food ordering system gives the menu online and the guests can fluently place the order by just clicking the food item. Also, people can fluently track their orders, and admin can maintain client's database and advance the food delivery system. This food ordering system allows the stoner to elect the asked food particulars from a list of available menu particulars given by the original hostel or eatery. The stoner can place orders for the food particulars of their suchlike from the list. The payment can be made online or pay- on delivery system. The stoner's details are maintained nonpublic because it maintains a separate account for each stoner. An id and word is handed for each stoner. A client follows while going through a operation are as follows In this process client entering his/her credentials like(name, ID, word). Once that has vindicated. They comes on home page. After comes on home runner, client elect menu option and placed an order with volume. Now we get a window that displays the order number, client ID, food name, price and volume. Once the order finalizes also client directly reach on the payment window and do payment and get a evidence of order. Now admin point of view, you elect normal login option and enter the admin credential(dispatch, word), you can enter the admin gate, you can adding food, deleting food or streamlining food. Once the operation is carried out, the end result, all the updating and adding food is displayed and deleted food is dissappear from the main menu.

REFERENCE

- [1]. Gan, K. H., Kuek, T. Y., Rout, K., Abd Manaf, N. N. S., Mohd Rased, N. Q., Mohd Shariff, O., & Ong, Y. R. (2022). The performance of Foodpanda: A study of customer's perspective and satisfaction in Malaysia and India. *Journal of Community Development in Asia*, 5(2), 76-89
- [2]. Jain Muskan , Kumar Hemant , Bajwa Manpreet Singh et al. "Online Food Delivery App 'Foodie' " - *Journal of University of Shanghai for Science and Technology* | Volume 23, Issue 7, July – 2020.
- [3]. Abrahm Anitta et al. "A Study on the effectiveness Of Online Food Applications on Registered Restaurants" - *International Journal of Creative Research Thoughts* | Volume 9, Issue 1 January 2021
- [4]. Gurav Prof. Rohini , Jathar Sonali , Lavhare Ashravanti , Khadul Omkar et al. "Online Food Ordering Application" – *International Journal of Innovative Research in Computer and Communication Engineering* | Volume 10, Issue 4, April 2021
- [5]. Hafiz U R Rahman , Mahmood Ashraf , Muhammad Abrar , Abid Mehmood [IJERTV8IS120052](#) [Volume 08, Issue 12 \(December 2019\)](#) IJERT
- [6]. Gupta Dr. Mitali et al. "A Study on Impact of Online Food delivery app on Restaurant Business special reference to Zomato and Swiggy" - *International Journal of Research and Analytical Reviews* | VOLUME 6 I ISSUE 1 I JAN.– MARCH 2019

- [7]. Tirupathi B, Rakshitha Raj R, J B Akshaya, Srilaxmi C P et al. "Online Food Ordering System" - International Journal of Recent Technology and Engineering | Volume-8, Issue-2S3, July 2019
- [8]. Saxena Anupriya et al. "An Analysis of Online Food Home Delivery and its impact on restaurants in India" - International Journal of Advance Research in Computer and Communication Engineering - (IJARCCE) | Volume 9, Issue 9, April 2019
- [9]. Mahmood Rahman Hafiz U R et al. "A Review of the Usable Food Delivery Apps" - International Journal of Engineering Research & Technology - (IJERT) | Volume 8, Issue 12, Dec 2019
- [10]. Rajalakshmy, Jeneefa et al. "A Study on Consumer Satisfaction and Preference Towards Online Food Ordering Applications" Journal of Emerging Technologie and Innovative Research - (JETIR) | Volume 6, Issue 3, March 2019
- [11]. Arora Kumar Rakesh, Badal Dharmendra et al. "Predicting Students Attrition using data mining" - International Journal of Computer Science & Engineering Technology (IJCSSET) | Volume 4, Issue 10, 2013
- [12]. Kumar Sandeep, Arora Kumar Rakesh et al. "Analyzing Customer Behaviour through Data Mining" - Journal of International Journal of Computer Applications Technology and Research | Volume 4, Issue 12, 2015
- [13]. Srivastava Shalini et al. "Online Food Shopping: A Conceptual Analysis for Research Propositions" - Journal of Frontiers in Psychology | Volume 11, Issue 9, 2020
- [14]. Prof More Upendra, Prof Patnaik Ria, Prof Shah Reema et al. "A Study on Online Food delivery services during the COVID -19 in Mumbai" - Journal of Archaeology of Egypt/Egyptology 18 | Volume 7, ISSN 1567-214x, Issue 2022

