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E-Food Ordering System for AIET

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ABSTRACT--- The purpose of this research is making an ordering food application based on android application and website for the same with new order, payment and tracking order features. It is mainly designed for use in the food industry. The application allow people to place any order in hostels and restaurants. The customer can view the menu from selected hotels or restaurants in just few minutes. The result of this research is an ordering food application for customer, and a website for restaurant and admin user. The conclusion of this research is to help customer in making order easily, to give detail information needed by customer, to help restaurant in receiving orders and to prepare the same.

Index Terms — PHP, MYSQL, WAMPP, CSS, JAVASCRIPT

I. INTRODUCTION

Food Ordering is a system that allows eatery nosiness' to accept to manage order and place over the internet from guests. This kind of food ordering is gaining fissionability with further and further people especially the youngish generation turning to mobile food ordering operation or websites because it saves time of client and increases rest time of client. It substantially correspond of two main factors. First is a website or android operation to view the menu and place the order according to it. Second is an admin operation interface for the eatery to admit and manage the client's order. The system will come main tool for hospices to ameliorate the operation aspect by use computer system to connect directly to its client. It also give effectiveness for the eatery by reducing time consuming, minimize mortal error and give good quality and service to client. The client needs to register themselves on the operation by creating their profile which includes the introductory information of them and payment information.

The number of food delivery mobile app startups are growing at a quick pace and contending with the food delivery section of the eatery request. The guests are being choosy, given the quantum of options that are available for them during this member. Originally there was some disinclination amongst the investors to take a position in any food related business but this view has changed over the quantum of your time with the belief that there's a enormous eventuality for this request sector. Some of the foremost popular mobile food delivery are Food Panda, Zomato, Swiggy, Tasty Khana, Just Eat, Uber Eats, Fresh Menu and Scootsy

II. LITERATURE REVIEW

Karan Kashyap has opined that using online food ordering services is gaining popularity in Tier 1 cities. The customers prefer eating in, as compared to going out to a restaurant when there are issues of traffic congestions. This segment has therefore seen a growth of almost 100% in the last couple of years.

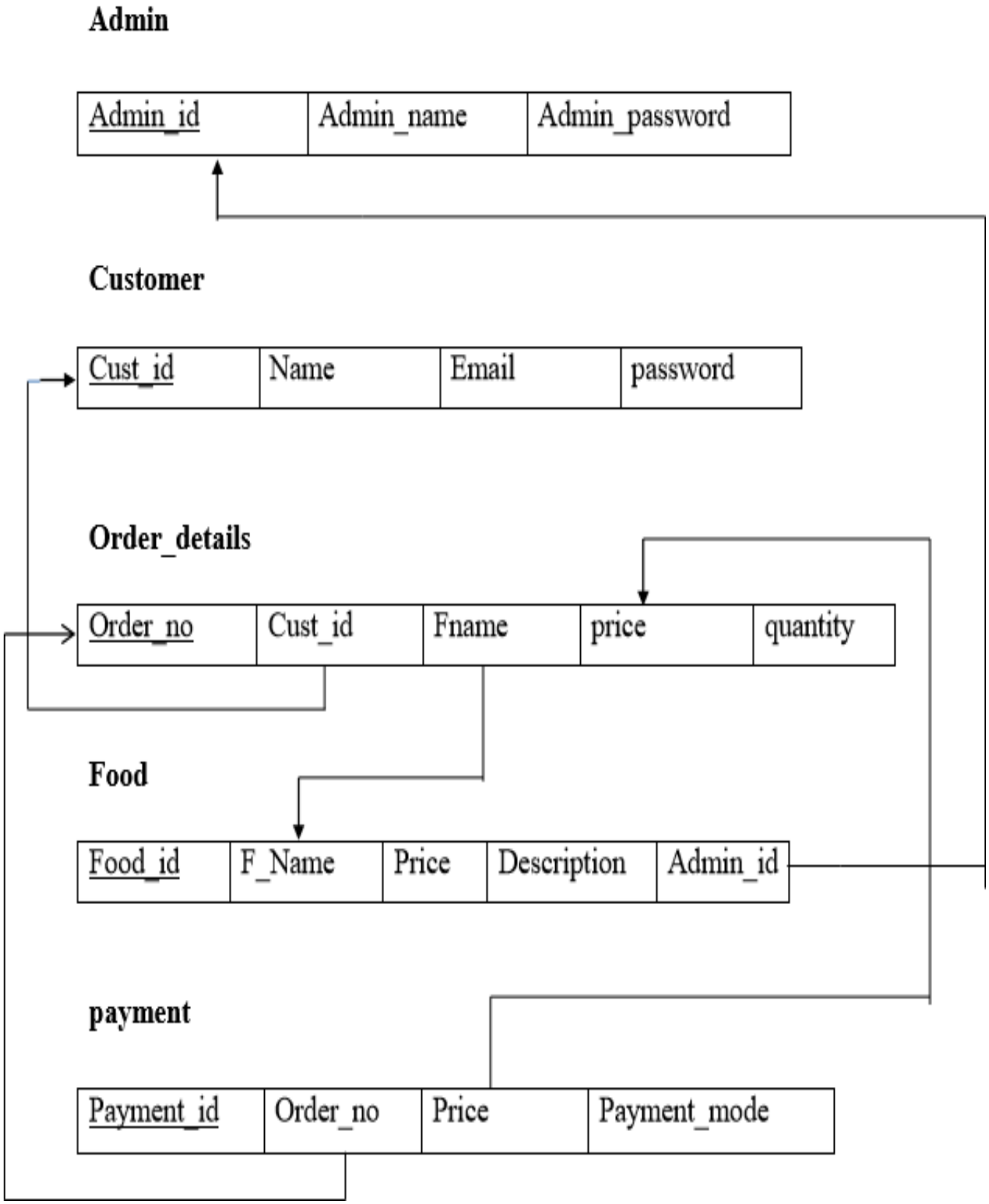
Redseer, a research firm has claimed that the online food ordering and delivery segment grew almost 150% in 2016 in comparison to 2015, with an estimated Gross Volume (GMV) of $300 million in 2016. The major chunk of the online food delivery business is from the top 5 cities in India, although this segment is active in almost 20 Indian cities. The players in this segment are consolidating their business by concentrating on increasing their operational efficiency and profitability rather than searching for newer markets in other cities. But with large number of players in the market like Swiggy, Food Panda, Zomato etc the customer is spoilt for choice. It has become very convenient for them to browse through the list of eateries and cuisines in different parts of the city and order by just clicking a button on the app.

Zamarud Ansari and Dr. Surbhi Jain, stated the success of online food delivery startups is mainly because there is a steady growth in the ecommerce industry. Some of the challenges faced by the online food delivery businesses is delivering within the time frame and optimization of the resources as well as the technical skills of the employees. India has more than 400 food delivery apps with more than $120 million funding from venture capital firms and other investors. Food industry is a repetitive business since a minimum 3 meals are consumed by each individual in a day increasing the frequency of food ordering. This makes the investors and entrepreneurs optimistic about the growth of this segment.

III. METHODOLOGY:

The simulation first starts with the customer entering his/her credentials (name, ID and password). Once that has been verified, the customer can place an order 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 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. The block diagram and the ER Diagram of the proposed Online Food Ordering System is given in Figure 1 (a) and (b).

The above mentioned simulation flow is with respect to the customer's point of view. Now if you are an admin, you can select the normal login option and enter the admin credentials (email ID and password). Once you enter the admin portal, you get the option of adding food, deleting food or updating food. Any option of choice leads you to the food menu. Once the selected operation is carried out, the end result, i.e, 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.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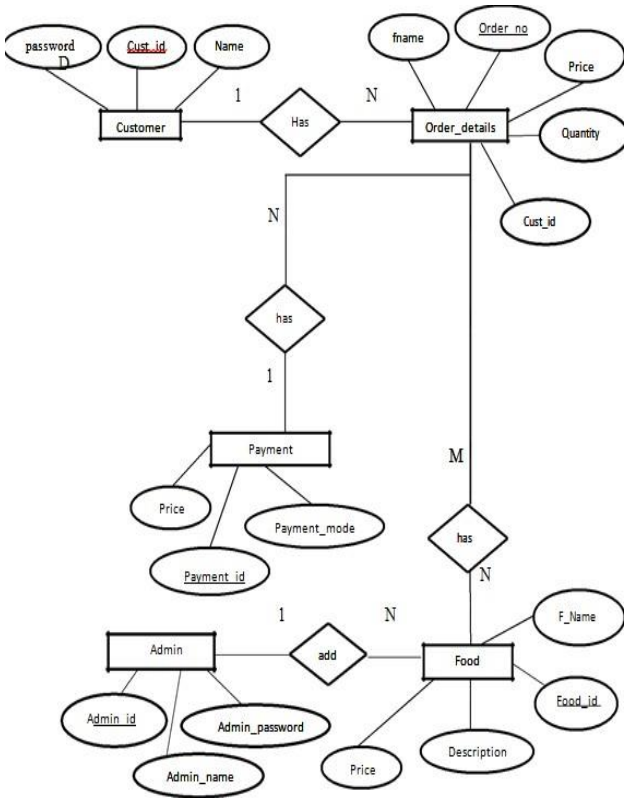
ONLINE FOOD ORDERING SYSTEM



(b)

Fig. 1 (a) The block diagram of the Online Food Ordering System, (b) The ER Diagram of the Online Food Ordering System.

IV. SOFTWARE REQUIREMENTS

PHP: Hypertext Pre-processor is language which began for developing web applications, is also a general-purpose programming language. PHP code is executed in a given order where it is first started by a PHP interpreter, which is then implemented as a web server module. The output of both of the interpreted and executed PHP code is combined by web server, which may be any type that is associated with the created web page [6].

MySQL: It is an open source relational database management system (RDBMS). MySQL is the central component of the WAMP open-source web application software stack. WAMP is an acronym for "Windows, Apache, MySQL, [7] and Perl/PHP/Python". From source code MySQL can be built and installed manually, but it is always installed from a binary package due to customization. Although further steps is required to alert the security and optimization settings.

V. 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.

VI. RESULTS

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

i. People can successfully order the food using the proposed system. There will be a lesser requirement of staff at the back counter.
ii. The system will help in reduction of labour cost involved and also reduces the space required to set up cafeterias in the restricted area.
iii. As it is an automated system it is less probable to make any mistakes.
iv. The customers can avoid the long queues at the counter, with a reasonable speed of execution and maximum throughput.

Advantages of online food ordering application

1. Makes the ordering process easier:

Traditionally, client had to make calls to place order or drive to the cafes for a take- eschewal, also stay for the food to be prepared and delivered. Occasionally, placing an order on the phone means that there could be miscalculations in order. Easily, these are not really the stylish results to order food from caffs especially for people with busy cultures. The stylish result is switching over to online ordering. Caffs possessors can produce a website or an app or both that won't only make the ordering process. Its easier for guests but also streamline eatery operations. Having an online ordering system can make day-to- day operations more effective for a eatery

2. Better customers data:

Who are your regular guests? What do they like ordering from your eatery? Which food particulars are popular? Are they apprehensive of the elevations and offers on the website? These and numerous other affiliated questions can be answered using analytics and perceptivity handed by a robust online ordering system for caffs. This data is precious if you use it to shoot targeted elevations to your guests and allure them to keep coming back. In- house results allow you to dissect ordering trends and client preferences in depth so you can customize your menu, immolations, and deals prices, and so on to give a acclimatized experience to everyone

3 Effective client and order operation:

An online ordering system for Caffs helps enhance the client- eatery relationship by furnishing end to end Client Relationship Management (CRM) system. It provides a complete deals dashboard with information about new/ active/ canceled orders, continuance deals details, etc. It also comes with an order operation system that streamlines the entire ordering process starting from order placement to final delivery. Whenever guests place an order, an effective online ordering system sends announcements via dispatch or SMS to help the eatery staff make the order prosecution briskly. On the other hand, similar software is also equipped with GPS systems that help you capture the entire address that in turn insure timely and fast deliveries.

4 Online Ordering System make orders more Accurate:

Misconstructions can be in any eatery, whether an order is being taken over the phone or in person. Honest miscalculations can lead to wasted food, and indeed more importantly, frustrated guests who might not come back. One of the benefits of online ordering for caffs is that the client has lesser control. When the client has control, they feel lesser clarity and understanding about their conduct. Since everything's in jotting, there is no real chance for blend-ups. For guests with disinclinations or salutary restrictions, this is especially important. Numerous online ordering systems have simple, clear checkboxes to indicate disinclinations making it easy for kitchen staff to acclimate constituents grounded on the guest's selection. Not only does this result in a better experience for the client, but a better functional result for the eatery. With smaller miscalculations, there are likely to be smaller comped particulars to make up for the misreading. This saves your eatery plutocrat and stress

5 The Convenience of Mobile ordering:

From meetings to crowded areas, there are times when one may not be suitable to make a phone call to order food. Online ordering allows guests to order anytime, anywhere using their mobiles, tablets or other handheld bias. There's no need for the client to reach out and make a call meanwhile disturbing their sequestration or dismembering a meeting for a lunch order. With a mobile app, the client can still place an order without the hassle of talking over the phone. A mobile-friendly website or app will make sure that you noway lose a client.

6 Time Saving:

The online food ordering is now days popular among the youthful generation comfortable, time saving and accessible. It's recent check a consumer makes a mind to buy online food he or she's multiple food particulars or menu card. The main linked factors are time saving, and convenience. People compare prices in online food delivery website and apps selection of the dish. the caffs have to make proper strategies to increase the consumer position of satisfication

Disadvantages of Food Ordering System

1. Cost of Increase:

Online food ordering system service know days increase your budget. Because of need a new delivery platoon to give the services and you need to spend redundant charges. In this system all type expenditure can be transfer on consumers.

2. Change of terrain:

The main different between the online food ordering and dining in a eatery is the terrain around us. If one person eats within home or he may not feel a change in terrain and refreshment and relax. But comfort is really high position of online food take down. If he dine-in luxury eatery with super design and light music that terrain gives more relax compared to the other.

3. Juggling With Your Health:

Another disadvantage of an online ordering system for caffs is indeed though when you go to a eatery you wo n't be seeing the material they use in that mouth- soddening Pasta dish that they bring to your table, still, you can get it replaced if you find any faults.

VII. DISCUSSION

With the help of this system, people can easily order the food. It can also ensure that the people do not waste their precious time and use their time productively in the other works. This system proves to be more cost effective and reliable over other systems. This system is difficult to forge or cheat when compared to other systems in terms of payment for the food. It is very easy to use and has least

maintenance. It does not require any human intervention and thus can be called fully automated. There isn't any limitations as such for this system, however one needs to take care of the smaller parameters like server breakdown while this system is implemented

VIII. CONCLUSION

The food marketing is within the unorgainized sector with percent of quite 50%. However this market is growing in leaps and bounds thanks to growing urbanization, working women and also drastic increase within the use of smart phones. While new restaurants are arising and technology being the necessity of the hour. Also it's reducing and solving the issues of customer also as restaurant admins. It helps customer to order easily and provides information needed in making order to customer place.

In conclusion an online food ordering system is proposed which is useful for all the people in the college. This project can later be expanded on a large-scale.

REFERENCES

[1] KirtiBhandge, TejasShinde, Dheeraj Ingale, 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] Kashyap, K. (2017). The food Delivery aps that are competing to get Market Share in India.The little black book of Billionaire secrets.

[3] Food Ordering Mobile Applications – A new wave in Food Entrepreneurship Dr. Sonali Jadhav AISSMS College of Hotel Management and Catering Technology, Pune, Maharashtra, India.

[4] Online Food Ordering System T.Deepa, Assistant professor., P. Selvamani., Department of commerce CA Hindusthan college of Arts and Science Coimbaore.

[5] https://www.cloudwaitress.com/blog/what-is-online-food-ordering-system

[6] https://www.spaceotechnologies.com/online-food-ordering-system-advantages- disadvantages/

https://www.restolabs.com/blog/9-advantages-online-ordering-restaurants