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Online Food Ordering Application

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ABSTRACT: Restaurant-controlled online food ordering, the restaurants create their own website and app, or choose to hire a delivery vendor. If they choose to create their own website, they make sure to obtain software that manages the orders efficiently, meaning it has the capability to manage different orders at once. When they hire a vendor, the restaurant pays for a monthly fee or percentage-based fees. The vendor covers the developmental costs. A customer can choose to have the food delivered or for pick-up. The process consists of a customer choosing the restaurant of their choice, scanning the menu items, choosing an item, and finally choosing for pick-up or delivery. Payment is then administered by paying with a credit card or debit card through the app or in cash at the restaurant when going to pick up. The website and app inform the customer of the food quality, duration of food preparation, and when the food is ready for pick-up or the amount of time it will take for delivery.

KEYWORDS: online, food, delivery, app, Payment.

I. INTRODUCTION

Nowadays, every technical field is trying to style the human life at ease. The past couple years there has been enormous growth of internet restaurants. It's just a single window for ordering from varied series of restaurants. Basically, "Online Food Ordering App" can be defined as a simple and convenient way for the customers to purchase food online, without having to go to the restaurant. This system is very useful to those who are very busy in work or in home and do not have the time to go outside or cook the food. Customers doesn't really need to have technical knowledge to operate it. Because it is designed in very modest way. It provides complete dashboard with information about menus, orders, etc. This app can be used in any online food industry. In short, it's easy, convenient, completely transparent food software and also customer-friendly online ordering application.

II. LITERATURE REVIEW

1) Abhishek Singh, Adithya R, VaishnavKanade. "ONLINE FOOD ORDERING SYSTEM" in IEEE International Research Journal of Engineering and Technology.

Paper describes an online food menu is set up by the proposed food ordering system and as per their will customers can easily place the order. Also, customers can easily track the orders with the food menu. The management improve food delivery service and preserves customers database. Motivation to develop the system is from the restaurant management system. To get the services efficiently the users of the system provides various facilities. Restaurants as well as Mess facility is considered by our system for the customers. Mostly mess users are person who are shifted to new cities and this can be considered as a motivation to our system. Another motivation can be considered as the increasing use of smart phones by the customers, so that any users of this system get all service of the system. The system will be designed to avoid users doing fatal errors where users can change their own profile also where users can track their food items.

2) Prathamesh Jagannath Mane "Study of Online Food Delivery App like Zomato & Swiggy and their effect on Casual Dining." in International Journal of Scientific Research and Engineering Development.

In this Paper, Zomato and Swiggy are one of the well-known application that provides the services from Food Menus to Delivering Online Food to their homes. The main advantage of ordering food online is that everyone can order at their ease and there would not be any peer pressure while ordering the food because when going for casual dining there is also a pressure while ordering food we often ask the waiter what this food contains? It will be spicy or not? And sometimes we get into situation where the dish you ordered is not that up to the mark or sometimes we need to order as per the waiter's recommendation because we don't have a brief description about that dish on the menu. Nowadays

everyone is aware of this online food delivery app i.e. Zomato and Swiggy and why would people waste their time by calling the restaurant owner and will waste 8 to 10 minutes. And this online chain food delivery company is doing well in the market to lure the customers with their lip-smacking offers.

3) Dr. S. Preetha ,S.Iswarya “An Analysis of User Convenience towards Food Online Order and Delivery Application (FOOD App via Platforms).” In International Journal of Management, Technology And Engineering.

In this paper, The popularity of m-commerce technology, which involves the payment via wireless devices has also enhanced the purchase intension of people, as it involves less time and effort. The revenues from platform to consumer delivery amounts to \$ 484m, nearly 7 percent of total revenue on online food delivery segment. Here focus is at the market segment, which provides customers the food from their partner restaurants and the delivery of food managed by themselves. The revenue is further expected to grow to 25.2% by 2023. The user penetration is nearly 2.1% and is expected to strike 4.8 % by 2023 (The statista Portal). The digitalization has boosted the technology usage of Indians. Food is the biggest necessity of life and these online food order service lessens the efforts. The online food delivery seems to grow 30% over the normal food industry. There are many new entrants joining this segment day by day. The food tech is the burning talk in the town of start-up. The various food market players in India are Swiggy, Zomato, Food Panda, Fasoos, Box8, fast food delivery app etc. This paper is unique in analysing the quality of information in the mobile app, the system quality on navigation through the pages, user friendliness and the service quality on delivery and time.

4)Dr.SonaliJadhav, “Food Ordering Mobile Applications” in International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS) Volume VII, Issue IV, April 2018 | ISSN 2278-2540

In this Paper, online food ordering is a process that delivers food or take away, from home chefs, local restaurants and other food co-operatives through a mobile application or through a website. This style of food delivery is gaining popularity with more and more people especially the younger generation turning to mobile food ordering apps, thereby changing the way food is delivered and picked up. Customers prefer using the food ordering app over ordering food online. The customer can generate an order without having to explain it to another human being and have the food delivered at his doorstep. The apps are geared to search for local restaurants and the cuisine types. Entire menu is displayed on the app and the customer has to choose from the menu with a click of a button. However the app needs to be downloaded by the customers on their cell phones and register themselves on the app by creating their profile which will have their address and payment information. The payment is normally cashless through a credit or debit card if paid online or in cash against delivery. The apps will differ from each other in terms of features offered and by refining the search, based on most ordered, pricing, order history, customer reviews, promotions etc.

5) Anita Vinaik, RichaGoel, SeemaSahai, VikasGarg, “The Study of Interest of Consumers In Mobile Food Ordering Apps” in International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-1, May 2019

In this paper, With the emergence of 21st century, we could see India at a rising pace. Young minds of the country are exceptionally excelling in the era of latest technology and innovations. Working class wants to perform well in their organizations and technology is playing a vital role in helping them in achieving the same. The things which seemed to be impossible are now becoming possible because of the technological advancements. Today, various kinds of businesses are setting up online stores because of technology. Various factors such as cheaper smartphones and cheaper internet data packs, people have started using more of mobile phone apps. The apps have made a lot of things convenient for the users. Online food delivery can be defines a process of delivery of food or take out from a restaurant or a local food joint through a web page or mobile App. The customers can order food from their favorite restaurants, their choice of cuisines, can decide whether to get it delivered to pick up from the restaurant and can choose to pay from various modes such as cash on delivery, debit card, credit card, or any other mobile wallet.

6) Arji Mariam Jacob, N.V. Sreedharan, Sreena.K, “Consumer Perception of Online Food Delivery Apps in Kochi” in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-7S2, May 2019

In this paper, 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.

III. SOFTWARE DESIGN AND REQUIREMENT

➤ Software Design

1. Sign Up

The sign up should be very simple, the customers can sign up your their mobile number and password.

2. Sign In

The registered customers can sign in using their mobile number and password.

3. Browse Menus

The customers can browse categories, menus. They can filter the menu using veg/non-veg, categories, price.

4. Make Order

The core feature of any online ordering system is allowing the customers to make orders. The customers can add or remove items, increment or decrement quantity, add special information.

5. Online Payments

The platform should provide multiple payment options such as Cash, Card, etc. The most commonly used payment through app and internet banking.

6. Track Orders

The ordering app allows customers to track their orders. The customers can see the order status in real-time.

7. Notifications

The customers receive real-time notification about their orders. The notification can be sent as push notifications on the mobile app, as email or as SMS.

➤ Requirments

Hardware resources required

- Processor: Intel Core I3 or Above
- RAM: 4 GB or Above
- Hard Disk: 100 GB (min)

Software resources required

- Operating System: Microsoft Windows 7 or Above
- Language: Java
- Database : MySQL

Design Constraints

In this system user searches for Dishes in Restaurant list. User orders Food and then it is sent to the server. Then server schedules it as per request by user. Then as per scheduling server takes food order of user.

Software Interface Description

It uses Java/CSS as the front end programming tool and MySql as the back end application tool.

IV. RESULTS

The result of our application is an Android Application. Once a customer place an order for a restaurant, he/she will get the order Id on the screen dynamically. The customer can check the status of the order through the Order Status interface provided in the GUI of the application. We have developed the system application in such a way that the customer can order the food first and then enter the required credentials while checkout. Once the order is delivered to the customer.

The customer can track his order through the Tracking Interface provided in the GUI of the application. The restaurant owner as well as customer can track the order in our system application.

V.CONCLUSION

Finally, in Online Food Ordering app, we have developed secure, user-friendly food ordering Management Application. This app can take care of each member whether it is an Administrator or Customer. This app will help them to properly



manage the meals of the customers, the delivery boy's data and help in growth without creating any hassle. This app is completely secure since every user is provided with user ID and Password so there is no chance of any unauthorised access. Online Payment, Registration and cancellation make it easier to use. So, using this system will help in reducing the labour and provide more facility for Customer to like the services

VI.FUTURE SCOPE

Food delivery app gives opportunity to the restaurants and labors to doing work. In future this app can help lots of people that doesn't get time for cooking food and working people. Also, this app gives a scope to restarurants business.

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