



# ONLINE FOOD ORDERING APPLICATION

**Prof. Rohini Gurav<sup>1</sup>, Sonali Jathar<sup>2</sup>, Ashravanti Lavhare<sup>3</sup>, Omkar Khadul<sup>4</sup>**

Professor, Department of Information Technology, AISSMS Polytechnic, Pune, India<sup>1</sup>

Final Year Student, Department of Information Technology, AISSMS Polytechnic, Pune, India<sup>2,3,4</sup>

**Abstract:** Online Food Ordering App is an application designed primarily for use in the food delivery industry. This system will allow hotels and restaurants to increase scope of business by reducing the labor cost involved. The system also allows to quickly and easily manage an online menu which customers can browse and use to place orders with just few clicks. Admin employees then use these orders through an easy to navigate graphical interface for efficient processing.

The online food ordering system provides convenience for the customers. This system increases the takeaway of foods than visitors. The online food ordering app set up menu online and the customers easily places the order with a simple 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 user's details are maintained confidential because it maintains a separate account for each user. An id and password are provided for each user. Therefore, it provides a more secured ordering.

**Keywords:** online food ordering app, menu, register, online.

## I. INTRODUCTION

The online food ordering application is one of the latest servicers most fast food restaurants in the western world are adopting. With this method, food is ordered online and delivered to the customer. Customers pay with their credit cards, although credit card customers can be served even before they make payment either through cash. So, the system designed in this project will enable customers go online and place order for their food. Due to the great increase in the awareness of internet and the technologies associated with it, several opportunities are coming up on the web. So many businesses and companies now venture into their business with ease because of the internet. One of such business that the internet introduced is an online food ordering application. In today's age of fast food and take out, many restaurants have chosen to focus on quick preparation and speedy delivery of orders rather than offering a rich dining experience. It is possible for anybody to order any goods via the internet and have the goods delivered at his/her doorsteps. Once an order placed in the app that will be designed, it is placed into the database and then retrieved, in pretty much real-time, by a desktop application on the admin send. Within this application, all items in the order are displayed, along with their corresponding options and delivery details, in a concise and easy to read manner. This allows the admin employees to quickly go through the orders as they are placed and produce the necessary items with minimal delay and confusion.

## II. LITERATURE REVIEW

In [1] 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.

In [2] 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.

In this [3] 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.

In this[4] 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.

### III. PROPOSED SYSTEM

The application is an online food ordering application which consists of GPS option where the application user can select the option to see the restaurants nearby his vicinity. It is mainly implemented using Global Positioning System (GPS).Users with location-aware wireless devices can query about their surroundings at any place, anytime. This android application enables the end users to register on the application, select the food from menu card and order food by an android app. The results after selecting food from menu card will directly appear in web application part on the system of a manager. By using this application the work of waiter is reduced or we can say that work is nullified. The benefit is that if there is a rush in a restaurant then there will be chances that the waiters will be unavailable and then the users can directly order the food by using android application. The user is given Username and Password to Login.

The User can see the list of Restaurants on the basis of the User Ratings given. The user can see the different cuisines offered at the restaurants and the related food menus along with their prices. The User can place the order accordingly and after the order is placed a confirmation mail is sent to the user. Then the bill is generated which has the order price and according to the user location, the delivery charges are calculated. Another module will be consisting of a Manager application where the hotel staff can log in and can update/change the menu and prices accordingly. For every order placed through the application, we have assumed that our portal gets a 20% of royalty.

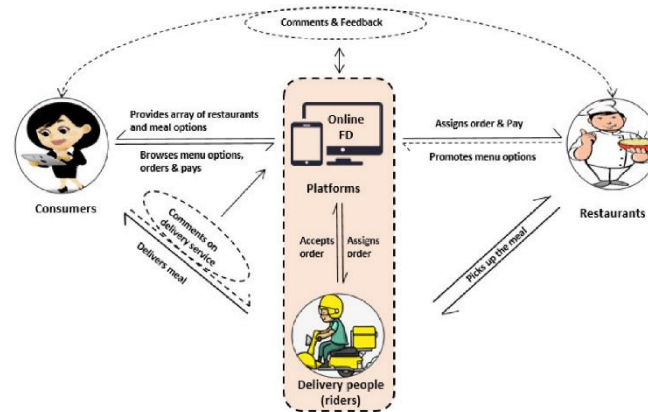
#### • Applications

1. help restaurants may be large or small to optimize.
2. complete control over their business.
3. helps the restaurants to do all functionalities more accurately and faster way.
4. very useful in keeping a proper record of the database.

### IV. SYSTEM DESIGN

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.

- ARCHITECTURAL DESIGN



## V. CONCLUSION

Online Food Ordering system, we have developed secure, user-friendly food ordering app. The online food ordering system will be helpful for the hotels and restaurants to increase the scope of the business by helping user's to give order through online. This app is completely secure since every user is provided with user ID and Password so there is no chance of any unauthorized access. Online Payment, Registration and cancellation make it easier to use.

## REFERENCES

- [1] Abhishek Singh<sup>1</sup>, Adithya R<sup>2</sup>, Vaishnav Kanade<sup>3</sup>, Prof. Salma Pathan<sup>4</sup> "ONLINE FOOD ORDERING SYSTEM" International Research Journal of Engineering and Technology (IRJET)
- [2] Prathamesh Jagannath Mane "Study of Online Food Delivery App like Zomato & Swiggy and their effect on Casual Dining." International Journal of Scientific Research and Engineering Development.
- [3] Shweta Shashikant Tanpure\* "Automated Food Ordering System with Real-Time Customer Feedback", International Journal of Advanced Research in Computer Science and Software Engineering, Volume 3, Issue 2, February 2013, Department of CSE, J.S.P.M, Pune
- [4] Varsha Chavan, Priya Jadhav, Snehal Korade, Priyanka Teli, "Implementing Customizable Online Food Ordering System Using Web Based Application", International Journal of Innovative Science, Engineering Technology (IJSET) 2015
- [5] Kirti Bhandge, Tejas Shinde, Dheeraj Ingale, Neeraj Solanki, Reshma Totare, "A Proposed System for Touchpad Based Food Ordering System Using Android Application", International Journal of Advanced Research in Computer Science Technology (IJARCST 2015).
- [6] Ashutosh Bhargave, Niranjana Jadhav, Apurva Joshi, Prachi Oke, S. R. Lahane, "Digital Ordering System for Restaurant Using Android", International Journal of Scientific and Research Publications 2013.
- [7] Khairunnisa K., Ayob J., Mohd. Helmy A. Wahab, M. Erdi Ayob, M. Izwan Ayob, M. Afif Ayob, "The Application of Wireless Food Ordering System" MASAUM Journal of Computing