Online food ordering application

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ABSTRACT

The main object of this review paper is to describe and review on online food ordering system (app). The first aims to provide a review on online food ordering application and food service business sector. This study research method with data collected along physical interviews with F&B business owners based on their knowledge, attitudes and perspectives to online food delivery application. The findings in this review paper which application are popular among each other. The main comparison between Food panda, Swiggy, Zomato and Faasos. There are comparison behalf on internet, physical interviews and past literature review. Currently Indian Online food market is$350billion.Food business in broad area, online food delivery apps are just part of it. From this review paper we would understand drivers of online food applications. Different services given by application that makes consumers happy and satisfied with online food ordering application. In this review paper we have an idea which online food ordering application is most popular.

Keywords: *Online Food Ordering Application, Online Service Provider, Zomato, Swiggy, Food Panda*

1. INTRODUCTION

In the online food ordering system both the Owner and the customer will find easier manual operation like ordering food providing bills. There is less chance to error. The main aim is that showing the how much customer is happy with online food ordering application. There are many different type of online food ordering application but we are review on these application Zomato, Swiggy, Food Panda and Faasos because there are currently four application trending in the food industry. In section [2] we are provide literature survey. In this survey we discuss about which application is follow up regarding the order and also discuss about Popularity, System types and Drawbacks. In section [3] we provide Existing and proposed system. In this section we are discuss about Existing System, Drawbacks of Existing System, advantage and disadvantage.

In section [4] we are discussing about system description which have customer module, server module, home delivery and restaurant module. The last section [5] we are discussing about the conclusion. In this all provides it is clear. It also easier to find and tracking past history as all bookings at a user account get saved easily. Also provide the feedbacks and recorded from each user account to get deliver better services. There is no need of the restaurant to take the orders on the call. Customers can easily scroll menus, add more orders to order list.Online food ordering application, as describe to mistake free, reliable and protected. It can help to the customer understand about the application which application performance is good and why.

2. LITERATURE SURVEY

There are currently 4 applications are in trend which are Food panda, Zomato, Swiggy, Faasos. By analysing the survey we come to decision that Swiggy and Faasos requires 30% of follow up regarding that order is placed or not? And order is dispatched or not? And in case of Food panda and Zomato requires less follow up. At present there are four types of system are available in which manual food ordering system and waiter making system are outdated whereas Online food ordering application on touch screen and touch pad ordering is latest. By observing chart we come to know that Food panda and Faasos are providing many features such as reward points, e-wallet, discounts, coupons, easy return policy, quality food. Whereas Zomato and Swiggy provides less features.

2.1 Different types of system:
1. Manual food ordering system: Waiter to take orders from customers in manual food ordering System. Waiter go to each customer and give a menu and take an order.

2. Waiter paging system: The Waiter Paging System allows customers to call for a waiter to take an order. The pager unit notifies the waiter via a buzzer that a request has been received or not and displays the request from the customer.

3. Online food ordering system: The Online food System also allows customers to send food orders directly to the kitchen. Each customer has the menu on the application that allowing customers to make an order by clicking the screen and get the bill at a time.

Compare the online food application by his popularity, system types.

Sr. No.	Applications \ Features	Popularity	No. of Follow Up	System Types	Drawback
1.	Food Panda	25%	25%	Manual	25%
2.	Zomato	25%	15%	Waiter Paging	15%
3.	Swiggy	20%	30%	Touch Screen	30%
4.	Faasos	25%	30%	Touch Pad Projection	30%

3. EXISTING AND PROPOSED SYSTEM
3.1 Existing System
In the current system of placing any orders, the user should visit Hotels or Restaurants to find out about the food and select a menu item and place an order waiting for the bill and sometimes the customer will even know how much his or her debt was. Storing important information in files and manuals is fraught with risks and tedious processes. Delivery tracking is not available for previous applications. Early table booking is also available with previous applications. Current order status, Custom Order is not available. Some systems contain obsolete database that says Restaurant is closed, yet visible in the app.3.1.1

Drawbacks of Existing System
1) Do not take mass order.
2) Does not indicate the famous dishes of a particular restaurant.
3) Nobody shows the current status of customer's delivery.
4) Mismatch in delivery expected time.
5) Location facility available in Swiggy only.
6) Outdated data.

3.2 Proposed system
The app is an online food ordering system that contains a GPS option where the application user can choose to see restaurants near his or her size. It is widely used using the Global Positioning System (GPS). Users with wireless device monitoring devices can inquire about their surroundings at any time, at any time. This android app allows end users to sign up for the app, and select food from the menu card and order food through the android app and get their credit on time. The user will receive a confirmation call from the restaurant, by selecting and ordering the food they want to have. The results after selecting food on the menu card will appear directly in the web application section of the administrator program. By using this application the waiter's activity is reduced or we can say that the function is not working. The advantage is that if there is a run in the restaurant then there will be a chance that the guards will be unavailable and users can order food directly through the android app. User is given a Username and Password to Log In.

The user can see a list of restaurants based on the User Rate provided. The user can see the different cuisines offered at restaurants and related food menus and their prices. The user can place the order correctly and after the order is placed a

confirmation email is sent to the user. Then a bill with an order value is generated and depending on the user's location, delivery costs are calculated. The other part will have a Manager request where hotel staff can enter and can update / change

The menu and prices accordingly. Of all the orders placed with the app, we assume that our site receives 20% of royalty revenue.

3.2.1 Advantages of proposed system
1. Tracking of orders.
2. One step registration with android application.
3. Instant notification of the order, when the order is confirmed, dispatched and delivered.
4. Advance ordering.
5. Customize food ordering.
6. Various secured payment methods.
7. Subscription-based registration of hotels, restaurant, and vendors.
8. Ability to order food from nearby restaurants and hotels.
9. Provision of restaurant owners to register themselves with their menus.
10. With the GPS, easy searching of nearby restaurants and hotels.
11. Tiffin services.
12. Table booking. 27%
13. Leftover food is given to NGO.

3.2.2 Disadvantages of proposed system
1. Once an order has been dispatched, it cannot be cancelled.
2. Availability of internet to use application.

4. SYSTEM DESCRIPTION
The program consists of four modules which are the Customer Module, the Server Module, the Kitchen Module and the Home Delivery Module. The Customer, Server and Kitchen module operates in the restaurant within the home network with the help of wireless fidelity while the Home Delivery and Booking module works anywhere with the appropriate internet connection.

4.1 Customer Module
Customer module is an android-based application that provides a friendly user interface. With the help of this module the customer can order food. This module contains food order details including menu price, ingredients and a visual representation of specialized food items (eg Chef's Choice) if anything can be easily changed and adjusted at any time by the director / manager and indicated. Any customization that a customer needs in a food item can be easily done under this module. The customer module is used on the tablet and the app to be used is running Eclipse and Android Studio using the Java application. The customer module is connected to the server module via a reliable wireless network.

4.2 Server Module
A server module is a web-based module managed by a administrator (restaurant manager) to manage a website and control the entire system. Here all the details of the item ordered by the customer, the order time, the bill amount, and the status of the bill etc. are stored. And the administrator can add and modify menus at any time (e.g. Special Today), its prices and advertise specific feeds including special discount and combo combo server Module is used on XAMPP server when database management is done on MySQL and editing is done using java server pages.

4.3 Home Delivery and Reservation Module
Home delivery and booking module is also an android based app where the customer can order food anywhere.

Via internet connection. Customers can re-book the table well in advance of dinner or lunch and can determine whether or not the table is available. This module will contact the server module and the website will be updated accordingly. This will be an android app that will be available on goggle play store for free.

5. CONCLUSIONS
In this case, we have set up a restaurant-based food ordering system. The system compares with traditional methods of ordering food such as traditional pen and paper methods etc. We have discussed the benefits of the proposed system in addition to the previous methods. The distinguishing feature of the proposed method is its adjustable efficiency from the technology it uses.
1. Allows users to view different product categories.
2. This is achieved by using easy-to-use interface interface options.
3. Allows users to save items from the ordered list and view detailed information about the order.
4. Users can add any number of items to the order list in any of the available food categories by clicking the Add to Order item on each item. Once an item has been added to an ordered list, the user is given a detailed order to review or continue.
5. Allows the user to continue logging out.
6. Allows the user to track delivery.
7. This is achieved when the user selects the "Continue exit" button and fills in the details of the payment item.
8. Allows the user to view the notification message after placing an order.
9. This is achieved when the user successfully places an order. The user is provided with an order confirmation number next to the success message.

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