

Online food Ordering System: Engineering College Prospective

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Abstract

Online Food ordering system is mainly designed for the use in the food delivery industry. This system will allow hotels and restaurant to increase online food ordering such type of business . The customers can be selected food menu items just few minutes .In the modern food industries allows to quickly and easily delivery on customer place. Restaurant employees then use these orders through an easy to delivery on customers place easy find out navigate graphical interface for efficient processing. The purpose of Online Food Ordering System is to automate the existing manual system by the help of computerized equipment's and full- fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with. Online Food Ordering System, as described above, can lead to error free, secure, reliable and fast management system.

Introduction

The labour rates are increasing steadily year on year thus making it difficult to find employees. The food industry is highly labour intensive and the biggest expense in the food industry is the cost of employing the right kind of people to do the work. One of the ways to reduce this expense is to use modern technology to replace some of the jobs done by human beings and make machines do the work. Here we propose an “Online Food Ordering System” that has been designed for Fast Food restaurant, Take-Out or College Cafeterias. The system can also be used in any food delivery industry. This simplifies the process of food ordering for both the customer and the restaurant, as the entire process of taking orders is automated. Thus, it will help organization in better utilization of resources. Every organization, whether big or small, has challenges to overcome and managing the information of Category, Food Item, Order, Payment, Confirm Order. Every Online Food Ordering System has different Food Item needs; therefore, we design exclusive employee management systems that are adapted to your managerial requirements. This is designed to assist in strategic planning and will help you ensure that your organization is equipped with the right level of information and details for your future goals.

II.EXPLORATORY DATA ANALYSIS (EDA)

- Online food ordering apps are the media by which local hotels and restaurants, chefs, canteens are delivering take away and food parcel directly to consumer's footsteps. Due to increase in working young generation in metro cities and hectic work life culture this type of idea is easily spreading. This system has generated a new dimension to working people's kitchen. Now days consumers are getting more attracted towards online ordering apps rather than home delivery of aspecific restaurants.
- . In a process of online food ordering apps there is no human intervention involved which gives it more privacy. Apps are having number of restaurant, chefs kitchens listed with their menu specifically. So the consumers need not to carry pamphlets and menu list for further orders. It gives convenienceto order food on click of a button. These apps can be directly downloaded to Smartphone which give them more accessibility. By giving your address and profile, payment information account can be created. However the app needs to bedownloaded by the customers on their cell phones and register them on the app. Creating profile on apps includes their address and payment Information. Apps are having different kind of mode of payments like credit cards,debit cards, cashless accounts and free home delivery.

III. LITERATURE SURVEY

[1]. Design implementation of food ordering system for restaurants were discuss in this paper. This system implements wireless data access to servers. The android application on user's mobile will have all the menu details. Kitchen and cashier receives the order details from the customer mobile wirelessly. These order details are updated in the central database. The restaurant owner can manage the menu modifications easily. In Paper [9], this research works on efforts taken by owners of restaurants to adopt information and communication technologies such as PDA, wireless LAN, costly multi-touch screens, etc. to enhance dining experience. This paper highlights some of the limitations of the conventional paper based and PDA-based food ordering system and proposed the low-cost touch screen-based Restaurant Management System using an android Smartphone or tablet as a solution.

an automated food ordering system is proposed which will keep track of user orders smartly. Basically, they implemented a food ordering system for different type of restaurants in which user will make order or make custom food by one click only. By means of android application for Tablet PCs this system was implemented. The front end was developed using JAVA, Android and at the backend MySQL database was used. In [2] Customer using a Smartphone is considered as a basic assumption for the system. When the customer approach to the restaurant, the saved order can be experience of customer.

IV. PROBLEM STATEMENT AND OBJECTIVE

1. Problem Statement

The Online Food Ordering System deals with placing orders of food from various restaurants . This system involves the following functionalities : 1.Collecting data : The data is collected from the customer through the application. 2. Verification of data : The data collected(food ordered) from the customer is cross verified with the specific restaurant for availability. 3. Order confirmation : The order is confirmed by sending a confirmation text to the customer. 4.Live tracker : The live tracker will help the customer track current order status . 5. Customer analytics : Based on orders placed in various regions, suggestions of similar restaurants will be given . 6. Customer feedback: The customers will be able to rate their experiences, recommend changes and improvements to the current system. 7. Modes of payment : Multiple modes of payment will be provided while ensuring safe and secure online transactions.In this system we receive orders of food from customers, confirm them with restrants ,provide live tracking facilities and ensure safe money transactions . The system also provides the customer the facility of rating their experience and suggesting improvements

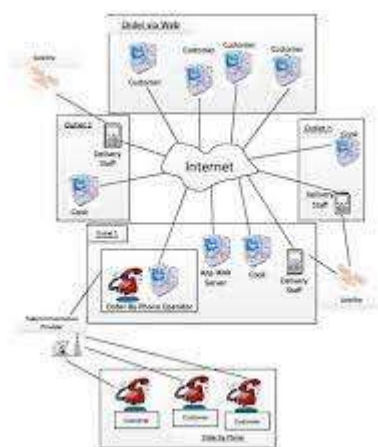
The main objectives are:

The main objective of the Online Food Ordering System is to manage the details of Item Category, Food, Delivery Address, Order, Shopping Cart. It manages all the information about Item Category, Customer, Shopping Cart, Item Category.

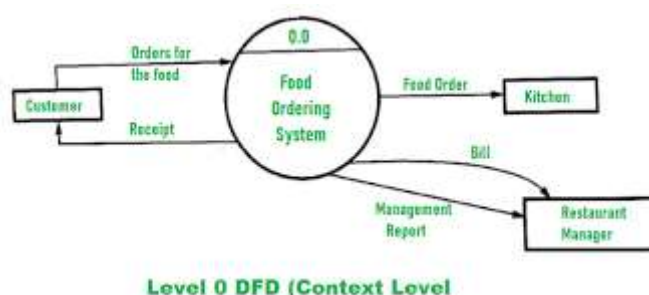
V. PROPOSED SYSTEM

- This system is a bunch of benefits from various point of views. As this online application enables the end users to register to the system online, select the food items of their choice from the menu list, and order food online.
- Also the payment can be made through online mode or at the time of home delivery depending upon the customer's choice and convenience. The selection made by the customers will be available to the hotel reception or to the person handling work assignment.
- Now this same person will assign the orders to the specialist chef to be completed within a fixed duration of time.
- As soon as the chef prepares the food, the later person forwards the parcels to the delivery persons assigned with the location and customer identity of the customer along with the bill status.
- With this application the work load of the waiter in the hotels are reduced or in some situations the work is abolished.
- One of the various benefits of this is system is that if there is rush or a huge crowd present in the restaurant then in that case sometimes unavailability of tables cut downs the restaurants customer.
- Also there will be chances that the waiters are unavailable as they are busy in handling others, so the customer can directly order the food to the chef online by using this application, by checking the seat availability in the restaurant.
- This system allow the staff to serve customer within less time as compared to the manual system.

VI. ARCHITECTURE DIAGRAM



VII. FLOW CHART REPRESENTATION



VIII. CONCLUSION

Online food ordering system is done to help and solve one of the important problems of customers' .Because large number of customer can use the internet and phone. Various issues related to Tiffin service will be solved by these system. Thus implementation of online food ordering system is done to help and solve one of the important problems of customers .It helps customers in making order easily and gives information needed in making order to customer place .The food website application made for restaurant massive one help to receiving orders.

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