



# ONLINE FOOD ORDERING SYSTEM

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**Abstract:** 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. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. It will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information. The aim is to automate its 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. Basically the project describes how to manage for good performance and better services for the clients.

**Keywords:** Apache, PHP, MySQL, NetBeans

## I. INTRODUCTION

The aim of developing Online Food Ordering system project is to replace the traditional way of taking orders with computerized system. Another important reason for developing this project is to prepare order summary reports quickly and in correct format at any point of time when required. Online Food Ordering System has a very lot of scope. This PHP project can be used by any restaurants or fast foods for customers for keeping their order records. This project is easy, fast and accurate. It requires less disk space. Online Food Ordering System uses MYSQL Server as backend so there is not any chance of data loss or data security.

## II. OBJECTIVE OF PROJECT

The main objective of the Project on Online Food Ordering System is to manage the details of Food Item, Category, Customer, Order, Confirm Order. It manages all the information about Food Item, payment, Confirm Order, Food Item. The project is totally built at administrative end and thus only the administrator is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the Food Item, Category, Payment, Customer. It tracks all the details about the Customer, Order, Confirm Order.

## III. FUNCTIONALITIES PROVIDED BY ONLINE FOOD ORDERING SYSTEM

- Provides the searching facilities based on various factors. Such as Food Item, Customer, Order, Confirm Order.
- Online Food Ordering System also manage the Payment details online for Order details, Confirm Order details, Food Item.
- It tracks all the information of Category, Payment, Order etc.
- Manage the information of Category.
- Shows the information and description of the Food Item, Customer.
- To increase efficiency of managing the Food Item, Category.
- It deals with monitoring the information and transactions of Order.
- Manage the information of Food Item.
- Editing, adding and updating of Records is improved which results in proper resource management of Food Item data.
- Manage the information of Order.
- Integration of all records of Confirm Order.



## IV. SYSTEM ARCHITECTURE

The system architecture of digital restaurants and inter-restaurant navigation using smart phone is shown in figure i. The architecture includes the three main areas of restaurant: Server, the Kitchen, and the Cashier counter. Conceptually this system is built using following components:

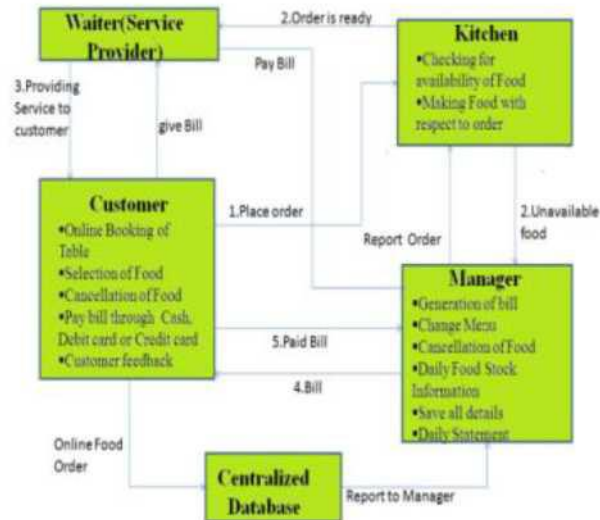


Figure 1: System architecture

## V. SYSTEM DESIGN

The restaurant owner or manager will have authority to log into the system and update the menu as per the availability of the dishes. The manager will also advertise the various offers of the day. After arrival of customer in restaurant, he or she select the information and menu from tablet then this order is sent to the system over wireless network. The restaurant manager or owner and the kitchen staff will receive the ordered lists from the customer tablet or system. The restaurant owner can update the order status into the system. The customer can also view the order status and he has authority to cancel the order. The whole application will already be installed and kept open on the tablets on the tables. Customer who is outside the restaurant will book table in restaurant or he will give order from his smart phone. The turn-off or shutdown option of the application will remain disabled for the customers i.e. the customers can not be able to turn off the application and do any other work on the tablets. After having the food, customer can make payment by online or by cash and enter feedback regarding to that restaurant system facility and services. Customer contact number will be saved in database for sending message about next offers.

This project consists of 3 main modules as follows:

> USER TABLET(module 1)

- This type of the tablets is especially made for the use of normal users coming in the restaurant.
- These tablets will consist of the whole menu of the restaurant. The items in the menu are non editable for these types of the tablets.
- They will be enabled with the Wi-Fi connectivity.
- Customer from any layer of the society should be able to handle and operate all the functions easily.

> MANAGER'S TABLET(module 2)

- These desktops are especially for the use of the restaurant manager.
- The manager should be able to control the function of whole restaurant from a single desktop/tablet.
- He can access any tablet and should be able to make changes to the menu.
- Also he can change price of particular item or disable particular item which is not available at that particular time.

> KITCHEN DISPLAY(module 3)

- These are present at the kitchen near chef so that he should be able to see what a particular has ordered.
- All the ordered items are displayed on the screen giving the table number below.
- They should be sufficiently large to be seen by chef at a reasonable distance.



- Chef should be able to notify when a particular item is ready.

## VI. REQUIREMENT DEFINITIONS

Analyzes based on similar application and determines the necessary features in the application, as well as do the details about the features that will be created with function of each features. Features that are needed in application for customer are as follows:

- **New Order:** New Order is the main feature of the customer side application that will be used to make orders. An order can be made in two separate ways, the one is by using My Favorites feature to make an order by choosing one of the top three favorites restaurant and the other one is by using Make a new order feature to make an order by choosing restaurant and menus provided easily.
- **Order History:** Customer's order history is shown by this feature namely order history.
- **Restaurant Profile:** Restaurant's profile is shown by this feature. Through this feature customer can make call to the restaurant directly.
- **Order Status:** This feature is used to show that order status that includes "order received" means that restaurant has received the order, "order confirmed" means that restaurant has confirmed the order, "cooking" means restaurant is preparing the order, "delivering order" means that delivery of the order is done. While the status is on "delivering order" the customer can also show the delivery map.
- **Profile Setting:** To show and to change customer profile this feature is used that comprise of name, address, email, and phone number. Features required in website for admin are:
  - **Resto:** Restaurant list is shown by this feature. Admin can modify restaurant data and insert new restaurant including transformation from restaurant active or inactive status through this feature.
  - **Order:** Order list which has been done by each restaurant is shown by this feature.
  - **Menu:** Menu list of each restaurant is shown by this feature. Through this feature admin can also alter each menu.
  - **Courier:** Courier list of each restaurant is shown by this feature. Through this feature admin can also amend each courier data.
  - **Customer:** Customer list in this application is shown by this feature. Through this feature admin can also modify customer profile.

## VII. RESULTS

The result of our system application includes an Android Application as well as a Web-based application. Once a customer place an order for a restaurant / mess, 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, a feedback mail is send to the customer regarding his experience with the entire application. The feedback mail consists of the star rating as well as comments of the customer. The customer can track his order through the Tracking Interface provided in the GUI of the application. The restaurant / mess owner as well as customer can track the order in our system application.

## VIII. CONCLUSION

The application is based on user's requirement and is user centered. All issues related to all user which are included in this system are developed by this system. if people know how to operate android smart phone wide variety of people can use the application. This system will solve the various issues related to Mess/Tiffin service. To help and solve important problems of people implementation of online Food ordering system is done. it can be concluded that, based on the application: orders are made easily by this system; information needed in making order to customer is provided by the system. Receiving orders and modifying its data is possible through the application and it also helps admin in controlling all the Food system.

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