

Online food Plaza

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Abstract: Online Food Ordering System is a part of e-commerce. E-commerce or business through net means distributing, buying, selling, marketing, and servicing of products or services over electronic systems such as the Internet and other computer networks. Thus if we own a restaurant we need to upload menu online to attract potential customers. The online food ordering system gives restaurants the ability to increase sales and expand their business by giving customers the facility to order food online.

With an online restaurant menu ordering system, customers can place orders online 24 *7. Thus it is a simple, fast and convenient food ordering system giving an edge over the competition at an affordable price. Internet has seen a tremendous growth in terms of coverage and awareness. So giving the business an online presence has become very crucial and important.

With [Online Ordering System], we can set up restaurant menu online and the customers can easily place order with a simple mouse click. Also with a food menu online we can easily track the orders, maintain customer's database and improve the food delivery service. We can receive order through e-mails/ fax or directly view on internet.

The restaurants' can even customize online restaurant menu and upload images easily. Having restaurant menu on internet, potential customers can easily access it and place order at their convenience.

1. INTRODUCTION

An online food ordering system is a web-based application that stimulates the foodies (customers) to put food orders through internet by locating their favorite restaurant or nearest one. Online ordering system that I am proposing here, greatly simplifies the ordering process for both the customer and the restaurant. System presents an interactive and up-to-date menu with all available options in an easy to use manner. The customers of today are not only attracted because placing an order online is very convenient but also because they have visibility into the items offered, price and extremely simplified navigation for the order. It is known globally that, in today's market, it is extremely difficult to start a new small-scale business and live-through the competition from the well-established and settled owners. In fast paced time of today, when everyone is squeezed for time, the majority of people are finicky when it comes to placing a food order. This is useful for people who do not like waiting for long in the store or to have to

call store to place an order especially during the peak lunch or dinner hours .

2. EXISTING SYSTEM

In existing system for giving any orders users should visit hotels or restaurants to know about food items and then give order and pay advance. In this method time and manual work is required. Maintaining critical information in the files and manuals is full of risk and a tedious process.

3. PROPOSED SYSTEM

This online application enables the end users to register online, select the food from the e-menu card, read the E-menu card and order food online. By just selecting the food that the user want to have. The results after selecting the food from the E-menu card will directly appear in the screen near the Chef who is going to cook the food for you. By using this application the work of the Waiter is reduced and we can also say that the work is nullified. The benefit of this is that if there is rush in the Restaurant then there will be chances that the waiters will be unavailable and the users can directly order the food to the chef online by using this application. The user will be given a username and a password to login

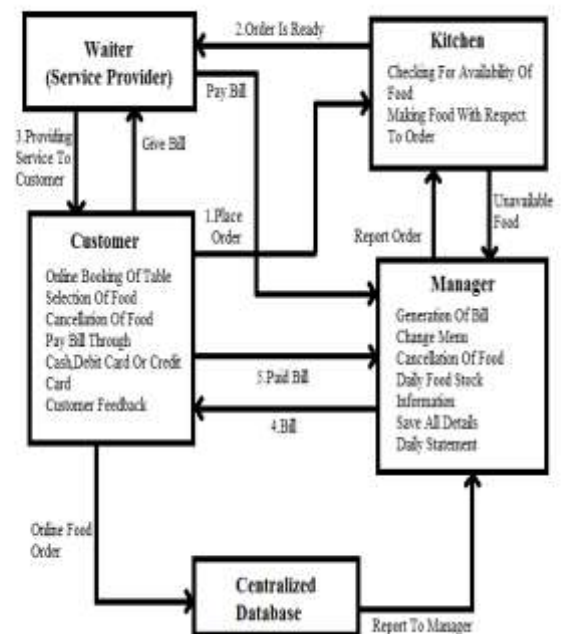


Fig1. Architecture

In this system customer orders the food by using android based touchpad. Figure shows the system architecture, which cover three main areas of the restaurant: the serving area , the restaurant owner’s working desk (cashier table), and the kitchen. Customer first orders the food from the touchpad looking at various combination of food which is further carried to the kitchen for fulfilling the order and the same is passed for billing at the each customers tablet.

4. WORKING

A. Registration Details

It first needs the personal information for ordering the food. Customer information such as the email or name , password and this entire information will be gathered to store in database.

B. Login Page

It is required to enter the email which is used as a user name and the password during the login of the customer.

C. Ordering Food

During the ordering process the whole food menu is been showed to the customer and the respected price of the food is been shown to the customer in food menu.

D. Food Bill Generation

When the food is been ordered, generation of the bill is been done, where the total bill is been generated of all the ordered food items and shown to customer.

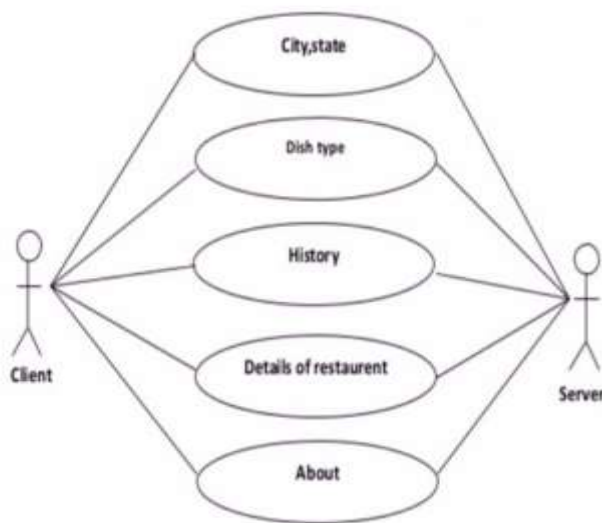


Fig2: Use Case Diagram

5. FUNCTIONAL REQUIREMENTS

A. Basic Functional Specification

- 1) All the food items present in food menu are available
- 2) Various food items at a time are been issued

B. The Following are some of the complex Requirements of Online Food Plaza that need to be Addressed

- 1) Callous work

- 2) No data loss – highly secured
- 3) All functions are provided
- 4) Operation flexibility
- 5) Changes in business Logic and rates frequently
- 6) Ease maintenance, implementation
- 7) User-friendly

C. Hardware requirements

NAME OF COMPONENTS	SPECIFICATION
PROCESSOR	DUAL CORE PROCESSOR
RAM	4GB
HARD DISK	20GB
MONITOR	15” COLOR MONITOR
KEYBOARD	122 KEYS

D. Software requirements

FEATURES	SPECIFICATIONS
LANGUAGE	JAVA ,SQL
DATABASE	MYSQL SERVER
BROWSER	MOZILLA, INTERNET EXPLORER ANY MANY OTHERS
WEB SERVER	TOMCAT 7
SOFTWARE DEVELOPMENT KIT	JAVA JDK 1.7 OR ABOVE
SCRIPTING LANGUAGE ENABLE	JSP(JAVA SERVER PAGES)
OPERATING SYSTEM	LINUX,WINDOWS

6. CONCLUSION

By implementing this system, it will minimize the number of employees at the back of the counter. Also the system will help to reduce the cost of labour. As there are lot of orders at the restaurants, there is possibility of human errors during calculations or taking orders. By using this system, such type of errors can be eliminated and controlled up to some level. But by using this system it will be less probable to make such mistakes. Addition to this, this will avoid long queues at the counter due to the speed of execution and number of optimum screens to accommodate the maximum throughput. And last but not the

least the system will be available 24 hours for 365 days, because the machine is not going to take any sick or vacation leave.

7. REFERENCES

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