ONLINE ORDERING SYSTEM

**Ahmed Hasan Alkaf**
Narotama University

ABSTRACT

The Online Food Ordering System described in this document has been designed to fill a specific niche in the market by providing small restaurants with the ability to offer their customers an online ordering option without having to invest large amounts of time and money in having custom software designed specifically for them. The system, which is highly customizable, allows the restaurant employees to easily manage the site content, most importantly the menu, themselves through a very intuitive graphical interface.
Visitors to the site, once registered, are then able to easily navigate this menu, add food items to their order, and specify delivery options with only a few clicks, greatly simplifying the ordering process. Back in the restaurant, placed orders are promptly retrieved and displayed in an easily readable format for efficient processing.

INTRODUCTION

Many restaurants have chosen to focus on quick preparation and speedy delivery of orders rather than offering a rich dining experience. E-commerce companies such as Amazon and eBay could deliver goods to customers very efficiently. Using digital business platforms could make it more convenient for shop owners to manage orders, collect and analyze data. The online food ordering system set up menu online and the customers easily places the order with a simple mouse click. With a food menu online you can easily track the orders, maintain customer's database and improve your food delivery service. The payment can be made online or pay-on-delivery system. The main objective of the Project on Online Food Ordering System is to manage the details of Food Item, Category, Customer, Order, Confirm Order. The project is totally built at administrative end and thus only the administrator is guaranteed the access. It tracks all the details about the customer, order, payment, Confirmation Order, Food Item. An order system on multi-platforms for customers to select dishes and place orders

1. An order system on multi-platforms for customers to select dishes and place orders
2. A convenient management dashboard for restaurant manager to easily manage the whole system
3. A smart delivering system for helping delivery staff improves the quality of delivery service.

Each of the three system components essentially provides a layer of isolation between the end user and the database. This isolation layer also protects the integrity of the database by preventing users from taking any action outside those which the system is designed to handle. It is essential to enumerate exactly which functions a user will be presented and these functions are outlined below, grouped by component.
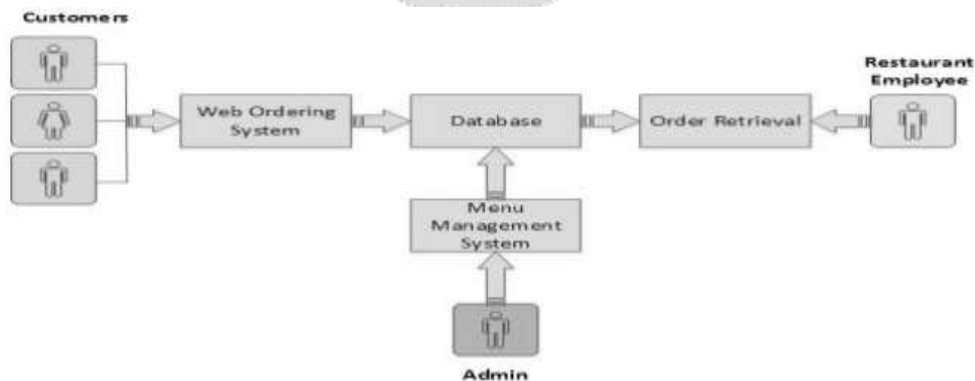
Discussion - System Model & System Design

a)   **System Model**

The structure of the system can be divided into three main logical components.

1- The first component must provide some form of menu management, allowing the restaurant to control what can be ordered by customers.
2- The second component is the web ordering system and provides the functionality for customers to place their order and supply all necessary details.
3- The third and final logical component is the order retrieval system. Used by the restaurant to keep track of all orders which have been placed, this component takes care of retrieving and displaying order information, as well as updating orders which have already been processed.

b)
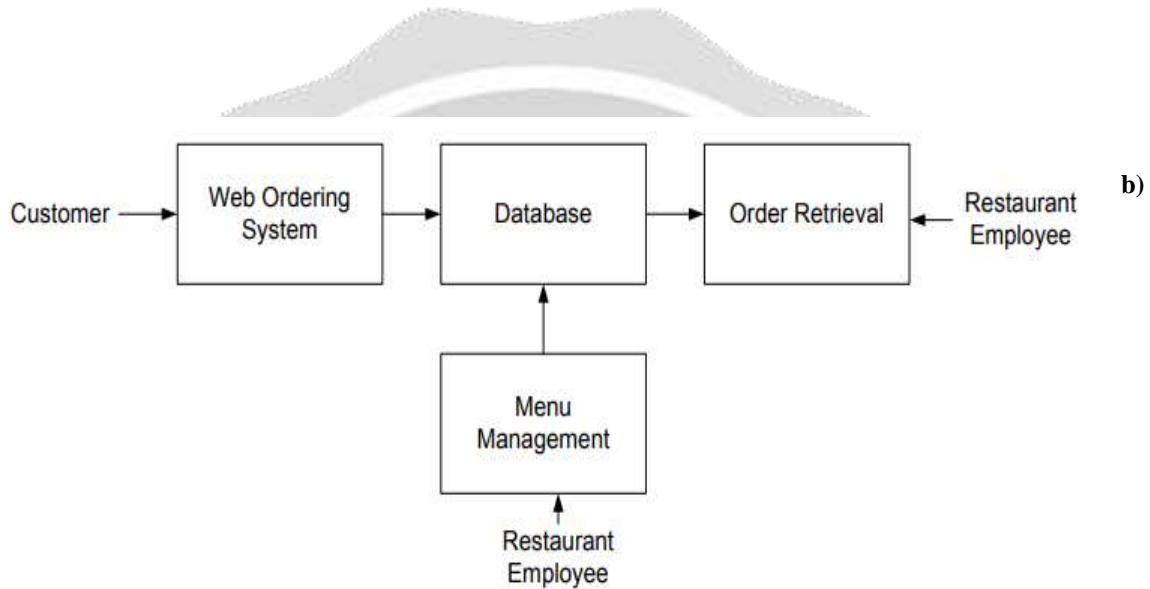
System Design

Design phase of software development deals with transforming the clients's requirements into a logically working system. In this phase, a logical system is built which fulfils the given requirements. It also includes the construction of programs and program testing. The design phase is the life cycle phase in which the detailed design of the selected system in the study phase is accomplished.

The design phase normally performed by two steps which are **Primary Design Phase and Secondary Design Phase**

1- **Primary Design Phase:** The blocks are created based on analysis done in the problem identification phase. Different functions are created for different functions and emphasis is put on minimizing the information flow between them.
2- **Secondary Design Phase:** In the secondary phase the detailed design of every block is performed

CONCLUSION

The objective of software planning is to provide a frame work that enables the manger to make reasonable estimates made within a limited time frame at the beginning of the software project and should be updated regularly as the project progresses. This package shall prove to be a powerful package in satisfying all the requirements of the school.

The purpose of this project was to develop a web application for purchasing items from a shop. The system has been developed with much care and free of errors, at the same time it is efficient and less time consuming. There could have been other approaches to implement the system. I have tried my level best to make the system an interactive as possible.

This project has given us great satisfaction in having designed an application which can be implemented to any nearby shops or branded shops selling various kinds of products by simple modifications. The entire system is secured. We learned how to test different features of a project and the software development life cycle.

REFERENCES

http://www.wampserver.com/en/

http://www.JSP.net/

http://www.javaworld.com/javaworld/jw-01-1998/jw-01-Credentialreview.html
Ray J. Paul. (2010). What an Information System Is, and Why Is It Important to Know This. Journal of Computing and Information Technology, 95-99. Ronald Maier. (2007).

Mihaela Muntean, Razvan Bologa, Ana-Ramona Bologa and Alexandra Maria Ioana Florea. (2016). Business Intelligence Systems in Support of University Strategy . Recent Researches in Educational Technologies , 1-7.