

Project Phase III Report

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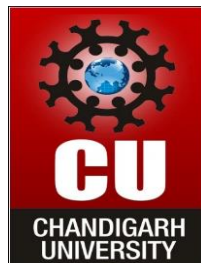
Online Food Ordering System

Submitted for the requirement of

Project course

BACHELOR OF ENGINEERING

COMPUTER SCIENCE & ENGINEERING



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ABSTRACT

Online Food Ordering System:

Our proposed system is an ONLINE FOOD ORDERING SYSTEM that enables ease for the customers. it Overcomes the disadvantages of the traditional queueing system. Our proposed system is a medium to order online food hassle free from restaurants as well as mess service. This system improves the method of taking the order from customer. The online food ordering system sets up a food menu online and customers can easily place the order as per their wish. Also with a food menu, customers can easily track the orders. This system also provides a feedback system in which user can rate the food items. Also, the proposed system can recommend hotels, food, based on the ratings given by the user, the hotel staff will be informed for the improvements along with the quality. The payment can be made online or pay-on-delivery system. For more secured ordering separate accounts are maintained for each user by providing them an ID and Password. It is mainly designed primarily function for use in the food delivery industry. This system will allow hotels and restaurants to increase online food ordering such type of business. The customers can select food items from menu just in few minutes. A food ordering application that consists of modules for the chef, the customer, and the delivery person, will be developed by us. It is a software with elements consisting of a sign-in page, registration chores with to be had meals items, details about the restaurants and the order status, to add dishes to the cart and the status of deliveries. All of these features are made by us, and the code is written in a variety of languages, such as JavaScript, HTML, Node.js, MySQL, CSS. We utilized XAMPP and MVC framework as well for better functionality and working status. A set of comprehensive development tools are featured in a software development kit (SDK). These help you develop your application efficiently.

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1. Introduction:

In this project we have designed a web application project on **ONLINE FOOD ORDERING SYSTEM** that enables ease for the customers. It overcomes the disadvantages of the traditional queueing system. Our proposed system is a medium to order online food hassle free from restaurants as well as mess service. This system improves the method of taking the order from customer. The online food ordering system sets up a food menu online and customers can easily place the order as per their wish. Also with a food menu, customers can easily track the orders. This system also provides a feedback system in which user can rate the food items. Also, the proposed system can recommend hotels, food, based on the ratings given by the user, the hotel staff will be informed for the improvements along with the quality. The payment can be made online or pay-on-delivery system. For more secured ordering separate accounts are maintained for each user by providing them an **ID and Password**.

Software and Hardware tools required for Project:

1.1 Bootstarp:

- Bootstrap is the most popular HTML, CSS and JavaScript framework for developing a responsive and mobile friendly website.
- It is absolutely free to download and use.
- It is a front-end framework used for easier and faster web development.
- It includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many others.
- It can also use JavaScript plug-ins.
- It facilitates you to create responsive designs.

1.2 Java Script:

JavaScript often abbreviated as JS, is a programming language that conforms to the ECMAScript specification. JavaScript is high-level, often just-in-time compiled, and multi-paradigm. It has curly-bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions. Alongside Bootstrap, JavaScript is one of the core technologies of the World Wide Web. Over 97% of websites use it client-side for web page behavior, often incorporating third-party libraries. All major web browsers have a dedicated JavaScript engine to execute the code on the user's device.

1.3 PHP:

PHP was started as a small open source project that evolved more and more and people found out how useful it was. Rasmus Lerdorf unleashed the first version of PHP way back in 1994. PHP is a recursive acronym for "PHP: Hypertext Preprocessor". PHP is a server side scripting language which is used in HTML. It is used to manage dynamic content, databases, and session tracking.

We can even build an entire e-commerce site in PHP. It is integrated with a number of popular databases, including MySQL, PostgreSQL, Oracle, Sybase, Informix, and Microsoft SQL Server. The MySQL server, once started, executes even very complex queries with huge result sets in record-setting time. PHP supports a large number of major protocols such as POP3, IMAP, and LDAP. PHP4 added support for Java and distributed object architectures (COM and CORBA). PHP performs system functions, i.e. from files on a system it can create, open, read, write, and close them. PHP can handle forms, i.e. gather data from files, save data to a file, through email you can send data, return data to the user. You add, delete, modify elements within your database through PHP. Using PHP, you can restrict users to access some pages of your website.

Characteristics of PHP:

Five important characteristics of PHP are: Simplicity, Efficiency, Security, Flexibility and Familiarity.

1.4 MySQL Database:

Oracle MySQL Database Service is a fully managed database service that lets developers quickly develop and deploy secure, cloud native applications using the world's most popular open-source database. MySQL Database Service is the only MySQL cloud service with an integrated, high-performance analytics engine—Heatwave—that enables customers to run sophisticated analytics directly against their operational MySQL databases, eliminating the need for complex, time-consuming, and expensive data movement and integration with a separate analytics database.

1.5 Visual Studio Code:

Visual Studio Code is a streamlined code editor with support for development operations like debugging, task running, and version control. It aims to provide just the tools a developer needs for a quick code-build-debug cycle and leaves more complex workflows to fuller featured IDEs, such as Visual Studio IDE. VS Code is free for private or commercial use. VS Code gives you the option to install Microsoft and third party extensions.

1.6 XAMPP Server:

XAMPP is an abbreviation for cross-platform, Apache, MySQL, PHP and Perl, and it allows you to build WordPress sites offline, on a local web server on your computer. This simple and lightweight solution works on Windows, Linux, and Mac – hence the “cross-platform” part. XAMPP is an open source package that is widely used for PHP development. XAMPP contains MariaDB, PHP, and Perl; it provides a graphical interface for SQL (phpMyAdmin), making it easy to maintain data in a relational database. XAMPP is a local server, which runs Apache, Php and MySQL for developing and testing websites and apps on your local machine. It replicates a LAMP web server locally on your laptop/computer.

1.7 FIELD OF PROJECT:

It falls in the category of the Web Development. Web service once deployed on server can run on any browser that can be accessed on any device and uses database like MySQL DB. Back bone of the web service will be created on Java.

1.8 TECHNICAL TERMS:

MySQL Database

JavaScript

HTML and CSS

VS code

XAMPP Server.

Node Js

2. Literature Review:

In an automated food ordering system is proposed which will keep track of user order 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 Customer using a Smartphone is considered as a basic assumption for the system. when the customer approach to the Smartphone. The list of selected preordered items shall be printed for further order processing. The solution provides easy and convenient way to select pre-order transaction form customers. along with customer feedback for a restaurant a design and execution of wireless food ordering system was carried out. It enables restaurant owners to setup the system in wireless environment and update menu presentations easily. Smart phone has been integrated in the customizable wireless food ordering system with real-time customer feedback implementation to facilitate real-time communication between restaurant owners and customers.

3. Problem Definition:

The online food ordering system sets up a food menu online and customers can easily place the order as per they like. Also, the online customers can easily track their orders. The management maintains customer's database, and improve food delivery service. This system also provides a feedback system in which user can rate the food items. Also, the proposed system can recommend hotels, food, based on the ratings given by the user, the hotel staff will be informed for the improvements along with the quality. The payment can be made online or cash or pay-on-delivery system. For more secured ordering separate accounts are maintained for each user by providing them an ID and a password.

4. Objectives:

This web Application is mainly designed primarily function for use in the food delivery industry. This system will allow hotels and restaurants to increase online food ordering such type of business. The customers can select food items from menu just in few minutes. A food ordering application that consists of modules for the chef, the customer, and the delivery person, will be developed by us. It is a software with elements consisting of a sign-in page, registration chores with to be had meals items, details about the restaurants and the order status, to add dishes to the cart and the status of deliveries. All of these features are made by us, and the code is written in a variety of languages, such as JavaScript, HTML, Node.js, MySQL, CSS. We utilized XAMPP and MVC framework as well for better functionality and working status.

5. Conclusion:

Therefore, conclusion of the proposed system is based on user's need and is user centered. The system is developed in considering all issues related to all user which are included in this system. Wide range of people can use this if they know how to operate android smart phone. Various issues related to food Service in restaurants will be solved by providing them a fully functional online Ordering system. That is

why we designed it a way to help and solve one of the important problems of people and to provide them the best quality service with ease and convenience.

References:

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[2]. Mayur D. Jakhete, Piyush C. Mankar," Implementation of Smart Restaurant with e-menu Card," International Journal of Computer Applications 2015 of Smart Restaurant with e-menu Card, "International Journal of Computer Applications 2011.