

Food Delivery Management System

A COURSE PROJECT REPORT

By

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In

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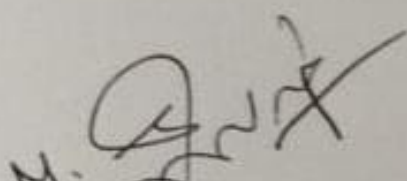
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BONAFIDE CERTIFICATE

Certified that this Course Project Report titled "**Food Delivery Management System**" is the bonafide work done by **Nagarjuna Chavali [RA2111003010069]** of VI Sem B.Tech CSE Core who carried out under my supervision for the course 18CSC303J - Database Management Systems. Certified further, that to the best of my knowledge the work reported herein does not form part of any other work.

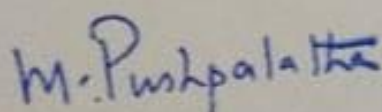

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CHAPTER-1

INTRODUCTION

“Food Delivery Management System” is a web-based application project developed in PHP and MySQL Database. It provides an online platform to order food in a certain restaurant. It allows the said business to manage its customers' orders and concerns. It has a pleasant user interface using Materialize Design Framework.

In Food Delivery Management System we use PHP and MySQL Database.

This project has two modules i.e., Administrator and customer.

ADMINISTRATOR MODULE:

The Administrator user is in charge of managing all the lists and records on this food ordering system. He/ She is the one who populates the list of food items on the site. The administrator can list and update the status of the customers' orders. This user role is also the one that can manage the list of users registered on the site.

CUSTOMER MODULE:

The Customer users are required to log in with their valid credentials to access the features and functionalities of the system. They can simply fill in all the required fields on the registration form to create an account on this ordering system. Customers are also required to enter their account number and security code for this site. Newly registered customers will have 2000\$ in their wallets by default and wallet balances can be only updated by the administrator.

CHAPTER-2

Project Features:

Administrator

- **Login and Logout**
- **Food Menu Management**
 - Add New Item
 - Modify Item Details
- **Orders Management**
 - List All Orders
 - Filtered List of Orders (Cancelled and Delivered)
 - Update Order Status
- **Tickets Management**
 - List All Tickets
 - Reply to the Customer's Submitted Ticket
 - Close the Ticket
 - Re-open the Ticket
- **User Management**
 - List All Users
 - Add New User
 - Modify User Details

Customers:

- **Register**
- **Login and Logout**
- **Order Food**
- **Checkout**
- **Confirm Order**
- **List All Orders**
- **Cancel Order**
- **Edit Account Details**

Project Objectives:

- **Efficient Order Management:** Develop a system that allows the Administrator to efficiently manage food orders, including adding new orders, updating order status, and listing/filtering orders based on their status (e.g., cancelled, delivered).
- **User-friendly Interface:** Create a user interface that is intuitive and easy to navigate for both Administrators and Customers, utilizing Materialize Design Framework for a modern and visually appealing experience.
- **Secure User Authentication:** Implement a secure login system for both Administrators and Customers, ensuring that only authorized users can access the system and perform actions relevant to their role.
- **Comprehensive Food Menu Management:** Enable the Administrator to easily manage the food menu by adding new items and modifying existing item details, providing flexibility to adapt to changing offerings.
- **Responsive Customer Support:** Facilitate effective communication between Customers and Administrators through a ticketing system, allowing customers to submit queries or concerns and Administrators to respond promptly.
- **Wallet Management:** Enable the Administrator to manage Customer wallet balances, ensuring accuracy and security in updating balances and restricting Customer access to this functionality.
- **User Management:** Develop features for the Administrator to manage user accounts, including listing all users, adding new users, and modifying user details as needed.
- **Ordering Process:** Implement a smooth ordering process for Customers, allowing them to easily browse the menu, add items to their cart, proceed to checkout, and confirm their order.

- Account Management for Customers: Enable Customers to register for an account, log in/out securely, view their order history, edit their account details, and cancel orders if necessary.
- Database Management: Ensure efficient data storage and retrieval using MySQL Database, optimizing performance for handling large volumes of orders, user accounts, and other system data

CHAPTER 3

BACK-END DESIGN

APACHE:

The Apache HTTP Server Project is an effort to develop and maintain an open-source HTTP server for modern operating systems including UNIX and Windows. The goal of this project is to provide a secure, efficient, and extensible server that provides HTTP services in sync with the current HTTP standards. The Apache HTTP Server ("httpd") was launched in 1995 and it has been the most popular web server on the Internet since April 1996. It has celebrated its 20th birthday as a project in February 2015.

PHP:

- PHP stands for PHP: Hypertext Preprocessor.
- PHP is a server-side scripting language, like ASP.
- PHP scripts are executed on the server.
- PHP supports many databases (MYSQL, Informix, Oracle, Sybase, Solid, Generic ODBC, etc.).
- PHP is an open-source software.
- PHP is free to download and use.

MYSQL:

- MYSQL is a database server
- MYSQL is ideal for both small and large applications
- MYSQL supports standard SQL
- MYSQL compiles on some platforms
- MYSQL is free to download and use
- How to access MySQL: <http://localhost/phpmyadmin>

Conceptual Database Design (ER-Diagram)



FRONT-END DESIGN

Front-end web development

HTML provides the *basic structure* of sites, which is enhanced and modified by other technologies like CSS and JavaScript.

CSS is used to control *presentation, formatting, and layout*.

JavaScript is used to control the *behavior* of different elements.

HTML

HTML is at the core of every web page, regardless of the complexity of a site or a number of technologies involved. It's an essential skill for any web professional. It's the starting point for anyone learning how to create content for the web. And, luckily for us, it's surprisingly easy to learn.

CSS

CSS stands for Cascading Style Sheets. This programming language dictates how the HTML elements of a website should appear on the front end of the page.

JavaScript

JavaScript is a more complicated language than HTML or CSS, and it wasn't released in beta form until 1995. Nowadays, JavaScript is supported by all modern web browsers and is used on almost every site on the web for more powerful and complex functionality.

Connectivity (front end and Back end):

PHP is an amazing and popular language

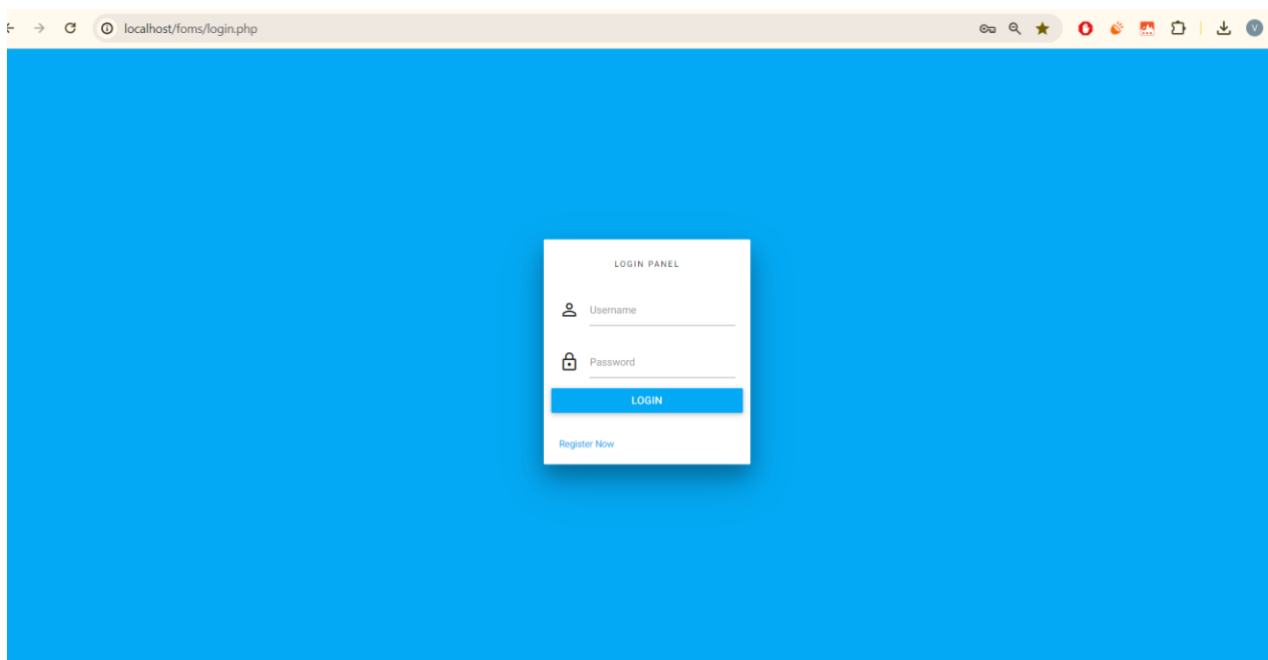
It is powerful enough to be at the core of the biggest blogging system on the web (WordPress)!, It is deep enough to run the largest social network (Facebook)!, It is also easy enough to be a beginner's first server-side language!

- PHP is an acronym for "PHP: Hypertext Preprocessor"
 - PHP is a widely-used, open-source scripting language
 - PHP scripts are executed on the server
 - PHP is free to download and use
 - PHP files can contain text, HTML, CSS, JavaScript, and PHP
-
- PHP code is executed on the server, and the result is returned to the browser as plain HTML
 - With PHP you are not limited to output HTML. You can output images, PDF files, and even Flash movies. You can also output any text, such as XHTML and XML.

OUTPUT

Project URL: <http://localhost/foms/login.php>

Login Page:



Menu Management Page:

Food Delivery Management System

Admin

Administrator

Food Menu

Orders

Tickets

Users

Food Menu

ADD ITEM

Food Menu

Add, Edit or Remove Menu Items.

MANAGE FOOD MENU

Name	Price	Available
<div>Name</div> <div>Item 1</div>	<div>Price</div> <div>3</div>	<div>Available</div> <div></div>
<div>Name</div> <div>Item 2</div>	<div>Price</div> <div>2</div>	<div>Available</div> <div></div>
<div>Name</div> <div>Item 3</div>	<div>Price</div> <div>5</div>	<div>Available</div> <div></div>

Showing 1 to 3 of 3 entries

MAKE CHANGES ✓

ADD ITEM

Name	Price
<div>Name</div>	<div>Price</div>

Order List Page:

Food Delivery Management System

Admin

Administrator

Food Menu

Orders

All Orders

Cancelled by Customer

Delivered

Yet to be delivered

Tickets

Users

#1 Item 1

1 (Quantity)

\$350

#2 Item 2

2 (Quantity)

\$426

Total

\$776

CHANGE STATUS

Order No. 3

Date: 2024-04-12 08:41:11

Payment Type: Wallet

Status: Yet to be delivered

Name: Vagdevi reddy

Address: chennai

Contact: 9381882433

Email: vagdeviredymarla@gmail.com

#1 Item 1

1 (Quantity)

\$3

#2 Item 2

2 (Quantity)

\$4

#3 Item 3

0 (Quantity)

\$0

Total

\$7

CHANGE STATUS

Tickets Details Page:

Food Delivery Management System

\$ 2000

Admin

Administrator

Order Food

Orders

Tickets

All Tickets

Open

Edit Details

Tickets

List of tickets by all customers

Sample ticket

Open

Support

2022-09-26 10:25:31

Customer Details:

NAGARJUNA

Customer

Order Food

Orders

Tickets

Edit Details

Logout

User Details

Edit your details here which are required for delivery and contact.

DETAILS

Username

Nagarjuna

Name

NAGARJUNA

Email

nn5126@srmist.edu.in

My Card Number

9370392110111111

My Card Number

111

Password


Contact

9370392110


Address


chennai,tamilnadu


Ordering Page:





NAGARJUNA
Customer

Order Food

Orders

Tickets

Edit Details

Logout


Order


Order your food here.

ORDER FOOD

Name	Price	Quantity
Item 1	\$ 3	<div>Value 0 for none</div> <div>0</div>
Item 2	\$ 2	<div>Value 0 for none</div> <div>0</div>
Item 3	\$ 5	<div>Value 0 for none</div> <div>0</div>

Showing 1 to 3 of 3 entries

Any note(optional)

ORDER 

MODULES

ADMINISTRATOR MODULE

CUSTOMER MODULE

APPLICATIONS:

This Food Ordering Management System seems comprehensive and well-designed, offering a range of features for both administrators and customers. Here are some points to consider for improvement or further development:

1. **Security Measures:** Ensure that proper security measures are in place, such as input validation, password encryption, and protection against SQL injection attacks to safeguard user data.
2. **Payment Integration:** Integrate payment gateways to allow customers to make payments online securely. This can enhance user experience and streamline the ordering process.
3. **Order Tracking:** Implement order tracking functionality so that customers can track the status of their orders in real-time, enhancing transparency and customer satisfaction.
4. **Reporting and Analytics:** Incorporate reporting and analytics tools for administrators to analyze sales data, customer trends, and popular menu items. This can provide valuable insights for business decision-making and optimization.
5. **Responsive Design:** Ensure that the web application is fully responsive across various devices and screen sizes to provide a seamless user experience for customers accessing the platform from different devices.
6. **Feedback System:** Implement a feedback system where customers can provide ratings and reviews for the food and service they received. This can help in improving service quality and addressing any issues promptly.

7. Email Notifications: Set up email notifications for order confirmations, status updates, and other important notifications to keep customers informed throughout the ordering process.

CONCLUSION

The Food Ordering Management System is a comprehensive web-based application designed to streamline the process of ordering food from a restaurant or fast-food chain. Developed using PHP and MySQL Database, along with HTML, CSS, and JavaScript, the system offers a user-friendly interface utilizing the Materialize Design Framework.

For administrators, the system provides robust tools for managing various aspects of the platform, including food menu management, order tracking, ticket handling, and user management.

Administrators can efficiently oversee the entire operation, from updating menu items to handling customer inquiries and managing user accounts.

On the other hand, customers benefit from a seamless ordering experience. They can register, login, browse the menu, place orders, and track their order status effortlessly. With features like order cancellation and account management, customers have the flexibility and control they need to tailor their experience to their preferences.

Overall, the Food Ordering Management System enhances efficiency for both administrators and customers alike, providing a convenient platform for food ordering and management. With its intuitive interface and comprehensive feature set, it stands as a valuable tool for restaurants and fast-food chains looking to streamline their operations and improve customer satisfaction.

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