

ONLINE FOOD ORDERING MANAGEMENT SYSTEM

INTERNSHIP PROJECT REPORT

By

Nagaraj Hegde

USN: 4SU18IS020

Purushothama Karanth

USN: 4SU18IS029

Shrinivasa Prasad

USN:4SU18IS041

Skanda U G

USN:4SU18IS042

**IN THE DOMAIN
OF
WEB DEVELOPMENT**

COMPANY PROFILE

e-Brain Softech Pvt. Ltd. Is a leading software development firm and training body, has been operational in Karnataka with a dedicated panel of experts from IT industry. We provide services on Management, Education technology and guidance to anyone looking on any areas of interest. We are a team of qualified, experienced trainers & IT Professionals motivated to educate people by training & nurturing them to the best of their strengths.

About Domain

Web development is the work involved in developing a website for the internet (World wide web) or an internet (a private network). Web development can range from developing a simple single static page of plain text to complex web-based internet application (web apps), electronic businesses, and social network services. A more comprehensive list of tasks to which web development commonly refers, may include web engineering, web design, web content development, client liaison, client-side/server-side scripting, web server and network security configuration.

Among web professionals, "web development" usually refers to the main non-design aspects of building websites: writing markup and coding. Web development may use content management system (CMS) to make content changes easier and available with basic technical skills.

For larger organizations and businesses, web development teams can consist of hundreds of people (web developers) and follow standard methods like Agile methodologies while developing websites. Smaller organizations may only require a single permanent or contracting developer, or secondary assignment to related job positions such as a graphic designer or information systems technician. Web development may be a collaborative effort between departments rather than the domain of a designated department. There are three kinds of web developer specialization: front-end developer, back-end developer, and full-stack developer. Front-end developers are responsible for behavior and visuals that run in the user browser, while back-end developers deal with the server.

ABSTRACT

ONLINE FOOD ORDERING SYSTEM is a website designed primarily for use in the food delivery industry. This system will allow hotels and restaurants to increase scope of business by reducing the labor cost involved. The system also allows to quickly and easily manage an online menu which customers can browse and use to place orders with just few clicks. Restaurant employees then use these orders through an easy to navigate graphical interface for efficient processing. 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. Customer can choose one or more items to place an order which will land in the Cart. Customer can view all the order details in the cart before checking out. At the end, customer gets order confirmation details. Once the order is placed it is entered in the database and retrieved in pretty much real time. This allows Restaurant Employees to quickly go through the orders as they are received and process all orders efficiently and effectively with minimal delays and confusion.

TABLES OF CONTENTS

Chapter:	Page No.
1. Introduction.....	1
1.1 Problem statement and solutions.....	2
1.2 Applications.....	2
2. Literature Survey	3
2.1 Introduction to DBMS	3
2.2 My SQL.....	3
2.3 XAMPP	3
2.4 PHP.....	3
3. Methodology	6
3.1 Proposed System	4
3.2 Scope	4
3.3 Feasibility Study	4
4. Requirement Specifications	5
4.1 Software Requirement Specification.....	5
4.2 Hardware Requirement Specification.....	5
5. System Design.....	6
5.1 ER Diagram	7
5.2 Schema Diagram.....	8
6. Implementation	9
6.1 Implementation of HTML Page	9
6.2 Implementation of PHP Page	9
6.3 Implementation of CSS	10
6.4 Implementation of Query	12
7. Results.....	14
8. Conclusion and Future Work.....	18
9. References	19

Chapter 1

INTRODUCTION

Online food ordering is the process of ordering food from a website .The product can be either ready-to-eat food (e.g., direct from a certified home-kitchen, restaurant) or food that has not been specially prepared for direction consumption (e.g., vegetables direct from a farm/garden, frozen meats. etc).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. A customer can choose to have the food delivered or for pick-up. The process consists of a customer choosing the restaurant of their choice, scanning the menu items, choosing an item, and finally choosing for pick-up or delivery. Payment is then administered by paying with a credit card or debit card through the app or website or in cash at the restaurant when going to pickup. The website and app inform the customer of the food quality, duration of food preparation, and when the food is ready for pick-up or the amount of time it will take for delivery.

1.1 Problem statement and solution:

In the present system all work is done on paper. The order report, food category and food are stored in register and at the end of the session the reports are generated. We are not interested in generating report in the middle of the session or as per the requirement because it takes more time in calculation. The existing system is not user friendly because the retrieval of data is very slow and data is not maintained efficiently. We require more calculations to generate the report so it is generated at the end of the session. All calculations to generate report is done manually so there is greater chance of errors.

- For placing any orders customers have to visit hotels to know about food items. The online food ordering system sets up a food menu online and customers can easily place the order as per they like.
- For more secured ordering separate accounts are maintained for each user by providing them ID and a password.
- Going back to the miscommunication that often occurs when taking orders over the phone, online ordering systems allow the customer to select and modify their food order exactly the way they like it.

1.2 Applications:

- Makes the ordering process easier
- Efficient customer and order management
- Quick and easy order cancellation process
- Fast and quick order processing
- Cash on delivery service
- It's just one click away
- It's fast, easy and comfortable
- 24/7 service
- Increase in sale
- Easy management
- More efficiency
- Positive customer service
- Delivery at door-steps
- Affordable service

Chapter 2

LITERATURE SURVEY

2.1 Introduction to Database Management System

DBMS stands for Database Management System. We can break it like this DBMS=Database+Management System. Database is a collection of data and management system is a set of programs to store and retrieve those data. Based on this we can define DBMS like this: DBMS is a collection of inter-related and set of programs to store and access those data in an easy and effective manner. Database systems are basically developed for large amount of data.

2.2 MySQL

MySQL is free and open-source software under the terms of the GNU General Public License, and is also available under a variety of proprietary licenses. MySQL was created by a Swedish company, MySQL AB, founded by David Axmark, Allan Larsson and Michael "Monty" Widenius. Original development of MySQL by Widenius and Axmark began in 1994. The first version of MySQL appeared on 23 May 1995. MySQL is offered under two different editions: the open source MySQL Community Server and the proprietary Enterprise Server.

2.3 XAMPP Server:

XAMPP is quite a well-known term among Website Hosting Services industry. XAMPP is acronym for the combination of Windows, Apache, MySQL and PHP/Python/Perl. In this combination the first three are constant ones and for the fourth one it varies among PHP, Python and Perl. There may be a few occasions in which Python and Perl can be used together. The reason behind the popularity of XAMPP is because it provides four important elements Operating System, Database Web Server and scripting application which are required for a web hosting .

2.4 PHP:

PHP: Hypertext Pre-processor (or simply PHP) is a server-side scripting language designed for Web development, but also used as a general-purpose programming language. It was originally created by Rasmus Lerdorf in 1994 the PHP reference implementation is now produced by The PHP Group. PHP originally stood for Personal Home Page, but it now stands for the recursive acronym PHP: Hypertext Pre-processor. PHP code may be embedded into HTML code, or it can be used in combination with various web template systems, web content management systems, and web frameworks PHP code is usually processed by a PHP interpreter implemented as a module in the web server or as a common Gateway Interface (CGI) executable. The web server combines the results of the interpreted and executed PHP code, which may be any type of data, including images, with the generated web page.

Chapter 3

METHODOLOGY

3.1 Proposed System:

The proposed system is designed and developed to solve the entire problem statements. The objective is to overcome all the limitations and drawback of the existing system. An online food ordering system is a wireless food ordering system using android services that enables ease for the customers

3.2 Scope:

Our project has a big scope to do. The online food ordering system will allow hotels and restaurants to increase scope of business by reducing the labour cost involved. The system also allows to quickly and easily managing an online menu which customers can browse and use to place orders with just few clicks.

3.3 Feasibility Study:

In feasibility analysis, we have to study the following:

3.3.1 Technical Feasibility:

Technical feasibility measures the feasibility of the particular technical solution and the availability of technical resource and expertise. The level of technology consists of the programming language, the hardware resources, other software tools etc.

3.3.2 Operational Feasibility:

Operational feasibility study tests the operational scope of the software to be developed. It is the measure of how well the project will support the customer and the service provider during the operational phase.

3.3.3 Economic Feasibility:

It is the measure of cost effectiveness of the project. The economic feasibility is nothing but judging whether the possible benefit of solving the problems is worthwhile or not. At the feasibility study level, it is impossible to estimate the cost because member's requirements and alternative solutions have not been identified this stage. However, when the specific requirements and solutions have been identified, the analyst weighs the cost and benefits of all solutions, this is called "cost benefit analysis".

Chapter 4

REQUIREMENT SPECIFICATIONS

Requirement specification is a specification of software requirements and hardware requirements required to do the project.

Software Requirements Specification:

Software Requirements are the software resources that are necessary in the project work. These resources are installed on a computer in order to provide functions, services, and hardware accessing capabilities to do the project. Our project includes following software resources.

- Operating System: Windows 10
- A standard web browser
- Microsoft Windows XP or latest versions
- Apache Tomcat server
- MYSQL 5.5.25 database server

Hardware Requirements Specification:

Hardware Requirements are the hardware resources that are necessary for the project work. These resources are computer resources which provide functions and services to complete the project. Hardware resources required for our project are shown below.

- Processor : Intel i3 core
- Clock speed : 2.00GHz
- Monitor : 1024*768 Resolution, Colour
- RAM : 1GB
- Hard disk : Minimum 10GB
- Keyboard : QWERTY
- Input output console for interaction

Roles assigned to the different team members

Team Member	Role Assigned
Nagaraj Hegde	Frontend and Backend 1. Home Page 2. Order confirmation page
Purushothama Karanth	Frontend and Backend 1. Admin Login 2. Dashboard
Shrinivasa Prasad	Frontend and Backend 1. Manage Admin
Skanda U G	Frontend and Backend 1. Manage Category

Chapter 5

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. Manager will dynamically add different categories of food. The restaurant owner can update the order status into the system. The customer can also view the order status. Customer can make payment online or by cash and enter feedback regarding the service. Customer contact number will be saved in database for sending message about next offers.

5.1 E-R Diagram

5.1.1 E-R Modelling:

The schemas for the database application can be displayed by means of graphical notation known as E-R Diagram. The E-R model describes data as entities, relationships and attributes.

5.1.2 Entities and Attributes:

An entity may be an object with a physical existence or it may be an object with a conceptual existence. Each entity has attributes i.e., the particular properties that describe it. The attribute value that describe each entity becomes a major part of the data store in the database.

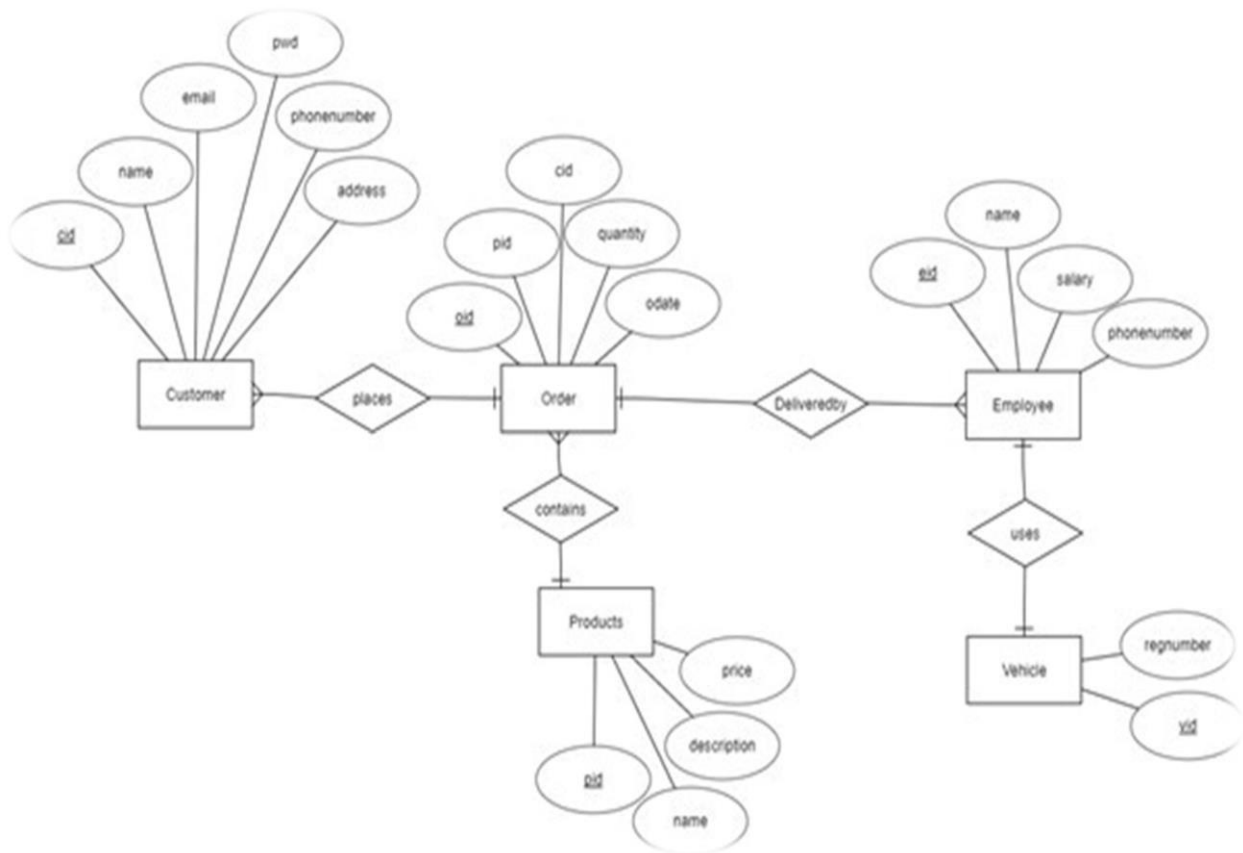


Fig 5.1 E-R Diagram

5.2 Schema Diagram

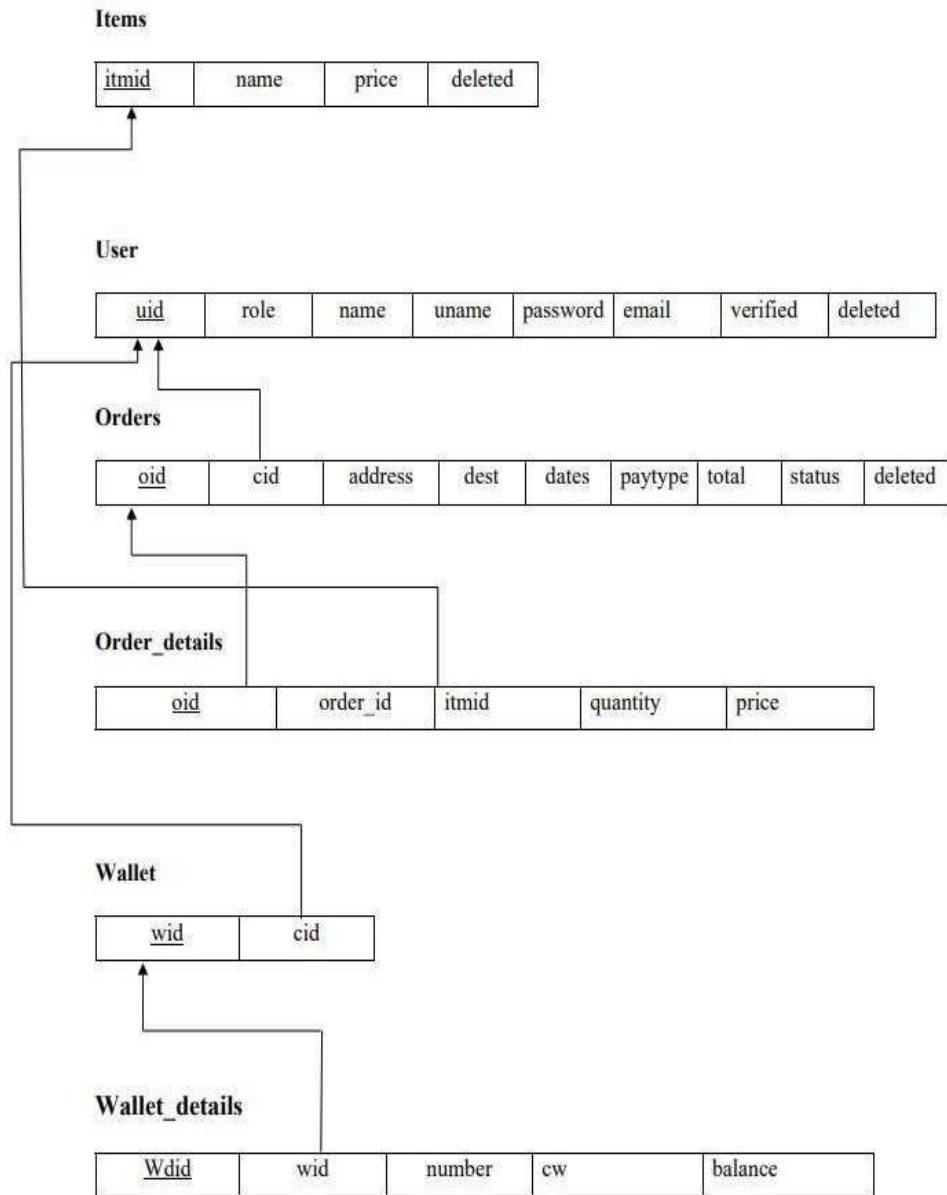


Fig 5.2 Schema Diagram

Chapter 6

IMPLEMENTATION

Implementation is a process of development of an application. Once the system design is completed then actual development of system will start. The development of application using system design is called the implementation phase. In this phase, largest system is divided into small modules. For each module, algorithms are developed and each algorithm is coded using programming languages. Implementation of proposed system includes the following phases or modules.

6.1 Implementation of HTML Page:

```
<!DOCTYPE html>
<html>
<head>
<title Title of the page</title>
<style>I/CSS code to be written here</style>
<script>//JavaScript code to be written here</script>
</head>
</body>//html code to be written here</body>
</html>
```

The above code represents skeleton of HTML implementation. The title is within titletag. The HTML code is written within body tag. Formatting of contents of HTML is done by CSS which is written within the script tag. Whole HTML code is enclosed within htmltag.

6.2 Implementation of PHP Page:

PHP code can be embedded within an html file. PHP file will usually have the extension php. The code below represents PHP code for user registration. The values inserted are stored in database.

```
<?php
session_start();
error_reporting(0);
```

```

        include('includes/dbconnection.php');
    if(isset($_POST['login'])) {
        $adminuser=$_POST['username'];
        $password=md5($_POST['password']);
        $query=mysqli_query($con,"select ID from tbladmin where
        UserName='$adminuser' && Password='$password' ");
        $ret=mysqli_fetch_array($query);
    if($ret>0){
        $_SESSION['vpmsaid']=$ret['ID'];
        header('location:dashboard.php');
    }
    else{
        $msg="Invalid Details.";
    }
    }
    ?/

```

6.3 Implementation of CSS:

CSS is used to define the presentation of HTML documents. With CSS, we can assign font properties, colours, size, borders, background images, and even position elements on the page. CSS uses a special tag called <style> inside which CSS elements are written.

```

<style>

#weatherWidget .currentDesc {

color: #ffffff !important;

}

.traffic-chart {

min-height: 335px;

}

```



```

        #flotPie1      {
height: 150px;
        }

        #flotPie1 td {

        Padding:3px;
        }

        #flotPie1 table {
top: 20px!important;
right:-10px!important;
        }

        .chart-container {
display: table;           min-width:
270px ;           text-align: left;
padding-top: 10px;
padding-bottom: 10px;
        }

        #flotLine5      {
height: 105px;
        }

        #flotBarChart      {
head: 150px;
        }

        #cellPaiChart      {
height: 160px;
        }

</style>

```

6.4 Implementation of Query:

Media Query is CSS technique introduced in CSS3. It uses @media rule to include a block of CSS properties only if certain condition is true. It is used to achieve Responsive Web Design. The code below represents one of media queries used in the implementation of webpage.

```
//Dashboard

if(isset($_POST['submit']))
{
    $parkingnumber=mt_rand(100000000, 999999999);
    $catename=$_POST['catename'];
    $vehcomp=$_POST['vehcomp'];
    $vehreno=$_POST['vehreno'];
    $ownername=$_POST['ownername'];
    $ownercontno=$_POST['ownercontno'];
    $enteringtime=$_POST['enteringtime'];

    //Change Password
    if(isset($_POST['submit']))
    {
        $adminid=$_SESSION['vpmsaid'];
        $cpassword=md5($_POST['currentpassword']);
        $newpassword=md5($_POST['newpassword']);
        $query=mysqli_query($con,"select ID from tbladmin where ID='$adminid'
and Password='$cpassword'");

        $row=mysqli_fetch_array($query);

        if($row>0){
```

```
$ret=mysqli_query($con,"update tbladmin set Password='$newpassword'
where ID='$adminid'");

$msg= "Your password successfully changed";
} else {
$msg="Your current password is wrong";
}
```

Chapter 7

RESULTS

Results basically refer to any particular output that comes as a result of the completion of the activities that have been performed as part of the project or a particular project component.

7.1 Home Page:

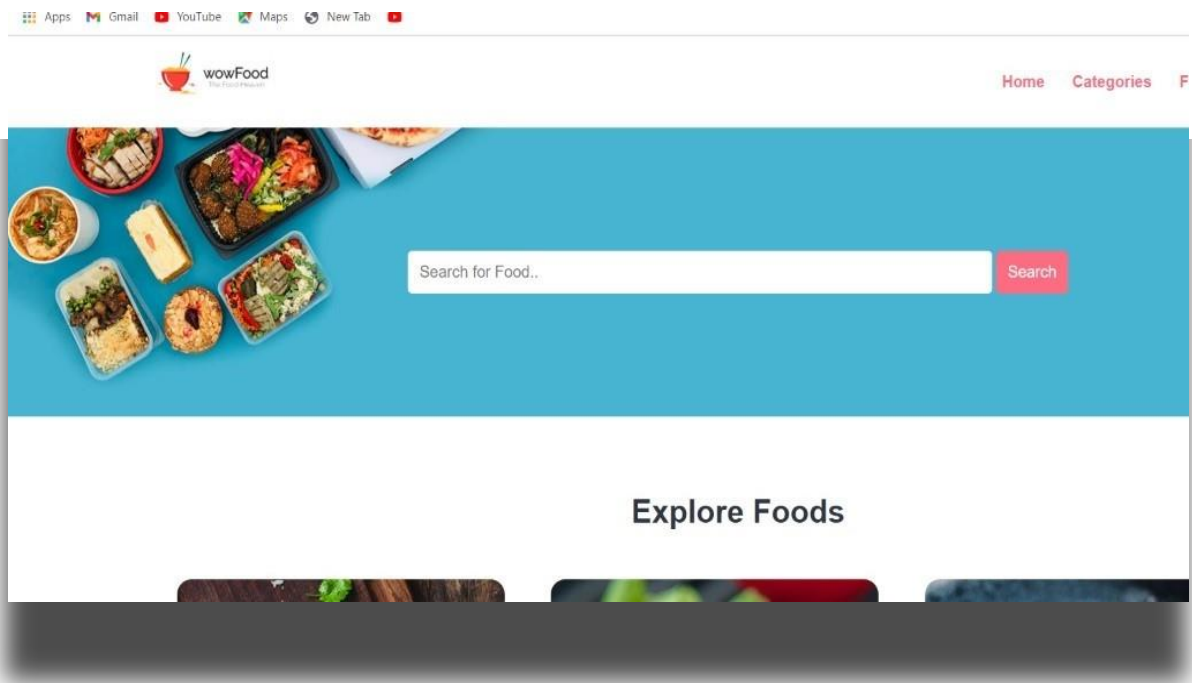


Fig 7.1

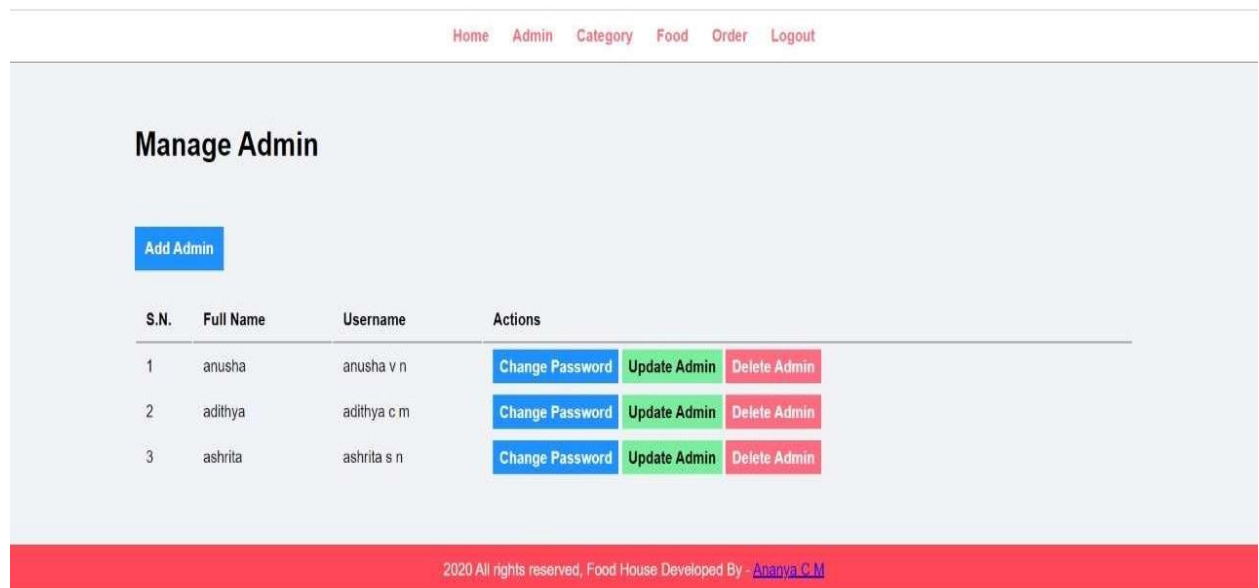
7.2 Admin Login :



The login form is titled "Login". It contains two input fields: "Username" with a placeholder "Enter Username" and "Password" with a placeholder "Enter Password". Below these fields is a blue "Login" button. At the bottom, it says "Created By - [Ananya C.M](#)".

Fig.:7.2

7.3 Manage admin:



The "Manage Admin" interface features a navigation bar with links: Home, Admin, Category, Food, Order, and Logout. Below the navigation bar is a section titled "Manage Admin" with a blue "Add Admin" button. A table lists three administrators with columns for S.N., Full Name, Username, and Actions. Each row has three action buttons: "Change Password" (blue), "Update Admin" (green), and "Delete Admin" (red). The footer contains the text "2020 All rights reserved, Food House Developed By - [Ananya C.M](#)".

S.N.	Full Name	Username	Actions
1	anusha	anusha v n	Change Password Update Admin Delete Admin
2	adithya	adithya c m	Change Password Update Admin Delete Admin
3	ashrita	ashrita s n	Change Password Update Admin Delete Admin

Fig.:7.3

7.4 Manage category:

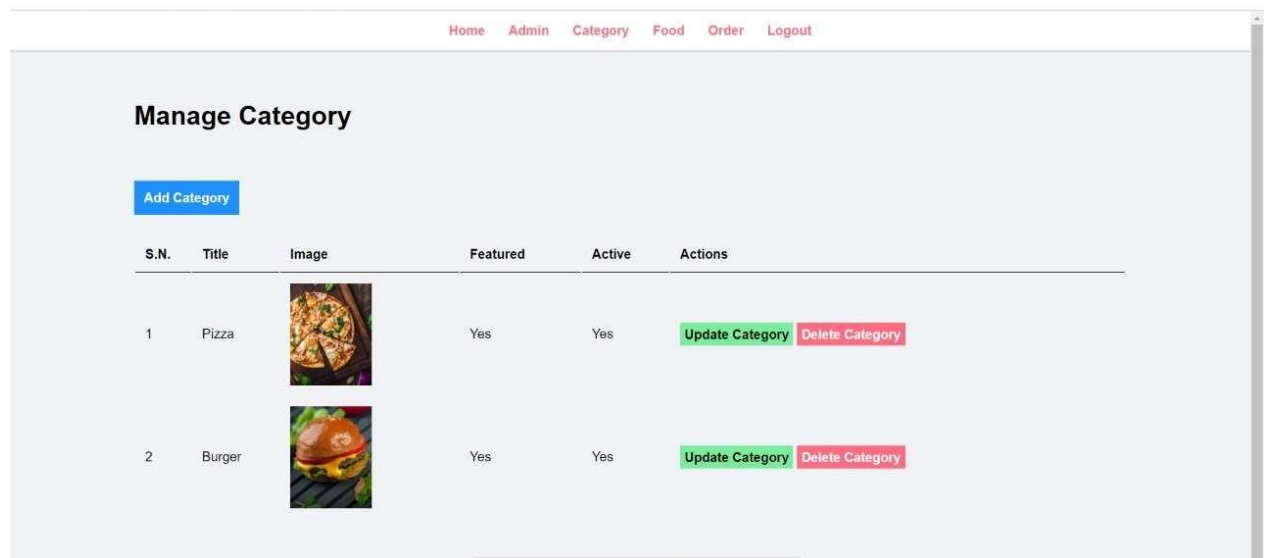


Fig.:7.4

7.5 Order confirmation page:

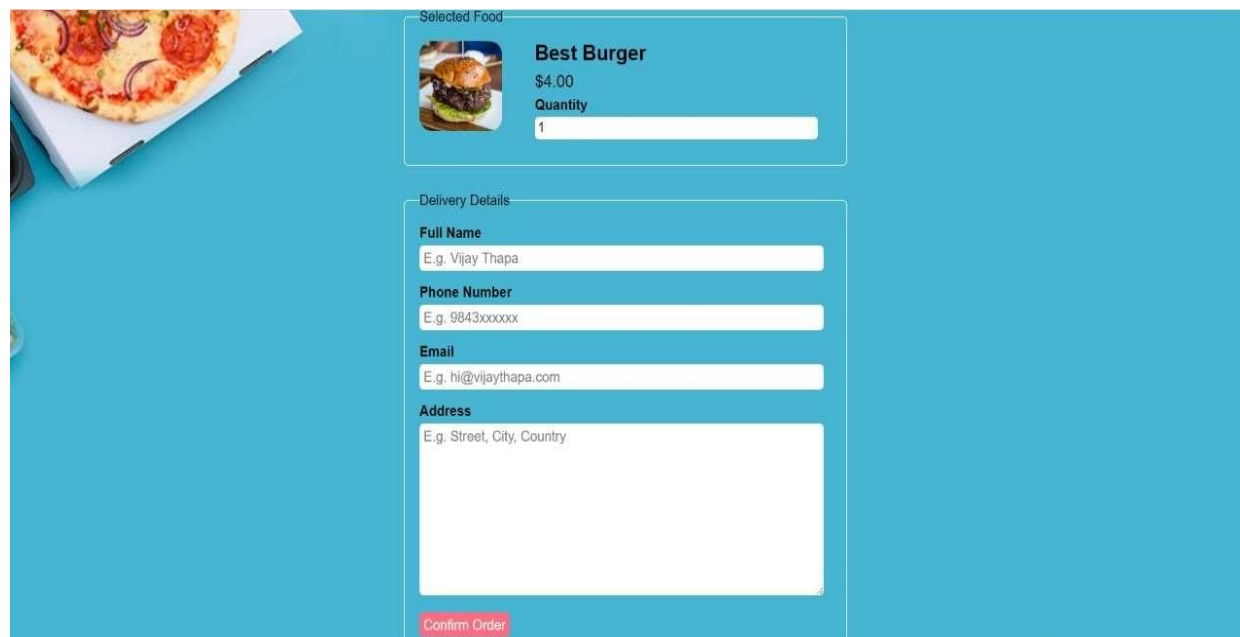


Fig.:7.5

7.6 Dashboard:

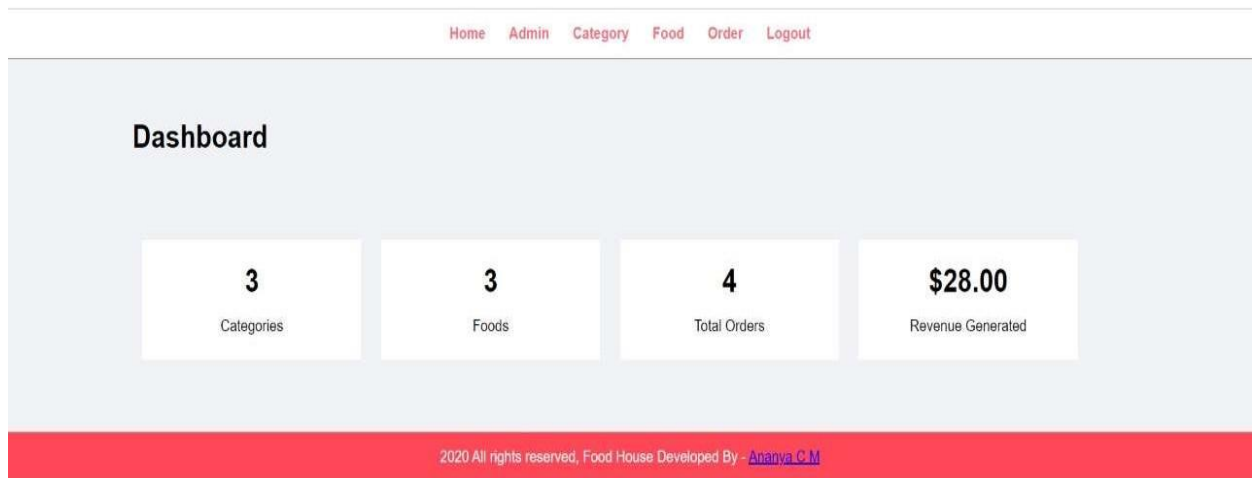


Fig.:7.6

Chapter 8

CONCLUSION AND FUTURE WORK

The main objective of the application is to help Computer Science students understands the basics of Java, JavaScript and HTML. The following results have been achieved after completing the system and relate back to the system's objective.

- Should allow Computer Science students to browse through the code and application.
- Should allow users to browse through different product categories.
- Sould allow users to save items to the cart and view detailed information about the orders.
- Should allow the user to CheckOut the item(s).
- Should allow the user to process the payment.
- Should allow the user to see Success message after placing an order.

Chapter 9

REFERENCES

1. <http://getbootstrap.com/>
2. Thereon Willis wrox publications (2000)-“Beginning SQL server”
3. https://www.youtube.com/watch?v=oepmLGQP1m4&list=PLUoqTnNH-2Xz_BURjcahKWDhPcUj-FTOt
4. <http://www.javazoom.net/jzservlets/uploadbean/uploadbean.html>
5. http://www.java2s.com/Tutorial/Java/0360_JSP/JSPDummyShoppingCar t.htm
6. https://docs.oracle.com/cd/E24628_01/server.121/e41484.pdf
7. https://www.dcc.fc.up.pt/~zp/aulas/0405/es/geral/bibliografia/O'Reilly%20-%20JavaServer%20Pages_2nd%20Edition.pdf
8. Fundamentals of Database System, Ramez Elmasri and Shamkant B Navathe 7th Edition, 2011 Pearso

