NMAM INSTITUTE OF TECHNOLOGY

(A unit of Nitte Education Trust)

Nitte - 574 110, Karkala taluk, Udupi Dist., Karnataka

Department of Computer Science and Engineering

RDBMS PROJECT REPORT ON

RESTAURANT DATABASE MANAGEMENT SYSTEM

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PROJECT GUIDE

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ABSTRACT

The purpose of the project "RESTAURANT DATABASE MANAGEMENT SYSTEM" is to manage the online transactions made by users from a particular restaurant. The system is aimed to make it as easy for the users to place online orders at a restaurant in the simplest and quickest way possible. The frontend of this system displays all the available menu items on a particular day along with its price and a brief description about the same. The website is accessible by customers/managers of the restaurant (admins). Users are required to login with their already existing account credentials or create an account if they may wish to. Customers are then redirected to the main website wherein they may select the item and quantity of the same at the end of which they are redirected to the transaction page where the final bill is displayed.

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CERTIFICATE

Certified that the project work carried out by SHREELATA .S. KINI (4NM18CS175) and SHREEMA .S. SUVARNA (4NM18CS176) bona fide students of NMAM Institute of Technology, NITTE in fulfilment for the Relational database Management System Lab (18CS502) in Computer Science and Engineering during the academic year 2020-2021.

Signature of the Examiners:

Signature of the Guide:

1.

2.

ACKNOWLEDGEMENT

The satisfactions that accompany the successful completion of any task would be incomplete without the mention of the people who made it possible. So we acknowledge all those whose guidance and encouragement served as a beacon of light and crowned our efforts with success.

We are thankful to our project guide, Mr. Pradeep Kanchan, Dept. of CSE for his valuable guidance and advice. His willingness to motivate us contributed tremendously to our project.

We would like to place on record our deep sense of gratitude to Dr. K. R. Udaya Kumar Reddy, HOD-Dept. of Computer Science and Engineering, NMAMIT, Nitte for his generous guidance, help and useful suggestions. We also acknowledge and express our sincere thanks to our beloved Dr. Niranjan. N. Chiplunkar, Principal, NMAMIT, Nitte who is a source of inspiration to us.

We thank all the Teaching and Non-Teaching staff members of the department of CSE for providing resources for the completion of the project. A special thanks goes to our parents, friends and relatives for supporting and encouraging us in all ways thus making our project successful. Finally, we thank all those who have contributed directly or indirectly in making this project a grand success.

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CHAPTER 1

INTRODUCTION

INTRODUCTION

The first online food ordering service, World Wide Waiter (now known as Waiter.com), was founded in 1995. By the late 2000s, major pizza chains had created their own mobile applications and started doing 20–30 percent of their business online. With increased smartphone penetration, and the growth of both Uber and the sharing economy, food delivery start ups started to receive more attention. By 2015, online ordering began overtaking phone ordering. Online ordering services over the last few months have seen a record high surge in their market share owing to the lockdown, as most restaurants and independent food website owners moved from "dine in" for their customers to selling food online.

WHAT IS RESTAURANT MANAGEMENT SYSTEM ?

Restaurant Management system is developed to automate day to day activity of a restaurant. This system is developed to provide service facility to restaurant managers and also to the customers. This restaurant management system can be used by employees in a restaurant to handle their customers, help them easily place orders their orders, and check the delivery status of these orders.

FEATURES

- Login page for Admin
- Login page for Customers
- Menu page for displaying items on the menu, location of restaurant and special items of the day
- Admin page for adding, updating or deleting items on the menu
- Page for editing the items in the order before placing the order
- Transaction page for the final bill

GENERAL OBJECTIVES

- To provide fast, efficient and reliable system by the way of managing the records of all their transaction.
- To provide users the ease of ordering food on their fingertips and having food delivered at their doorstep as quickly as possible.

CHAPTER 2

PROBLEM STATEMENT

PROBLEM STATEMENT

To manage the information of all online orders of a particular restaurant. The details of the existing orders (along with delivery status) are retrieved by the system. New customers place orders using the website which are added to the system. Along with order details, employee and customer information is also maintained. Admin may insert, update or delete an item off the menu at any time.

SIGNIFICANCE OF RESTAURANT DATABASE

Restaurant Database is mainly used to store customer order details. We collect information about customers like address, phone number and email number and store it in the database. Customers may only place orders after having logged into the website. The information later helps us deliver to their location.

We also store all the employee's details. These are helpful in retrieving order status as to whether a particular order has been delivered or is still pending to be delivered.

Admin is given the permissions to change anything on the menu on a particular day subject to its availability, or disable the existing menu items.

Apart from the people working at the restaurant, we store information about the food items being served on the menu on a particular day.

CHAPTER 3:

ER DIAGRAM

SCHEMA

CHAPTER 4:

FRONT END TECHNOLOGY

In our project, we have made use of:

HTML5

HTML5 is a markup language used for structuring and presenting content on the World Wide Web. We have made use of it in laying out the webpage.

CSS3

Cascading Style Sheets is a style sheet language used for describing the presentation of a document written in a markup language such as HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript. We have used it to stylise our webpages.

BOOTSTRAP

Bootstrap is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS- and JavaScript-based design templates, some of which have been used for our interface components like Glyphicons, forms and navigation bars on our website.

CHAPTER 5:

BACK END TECHNOLOGY

In our project the following back end technologies have been used:

PHP

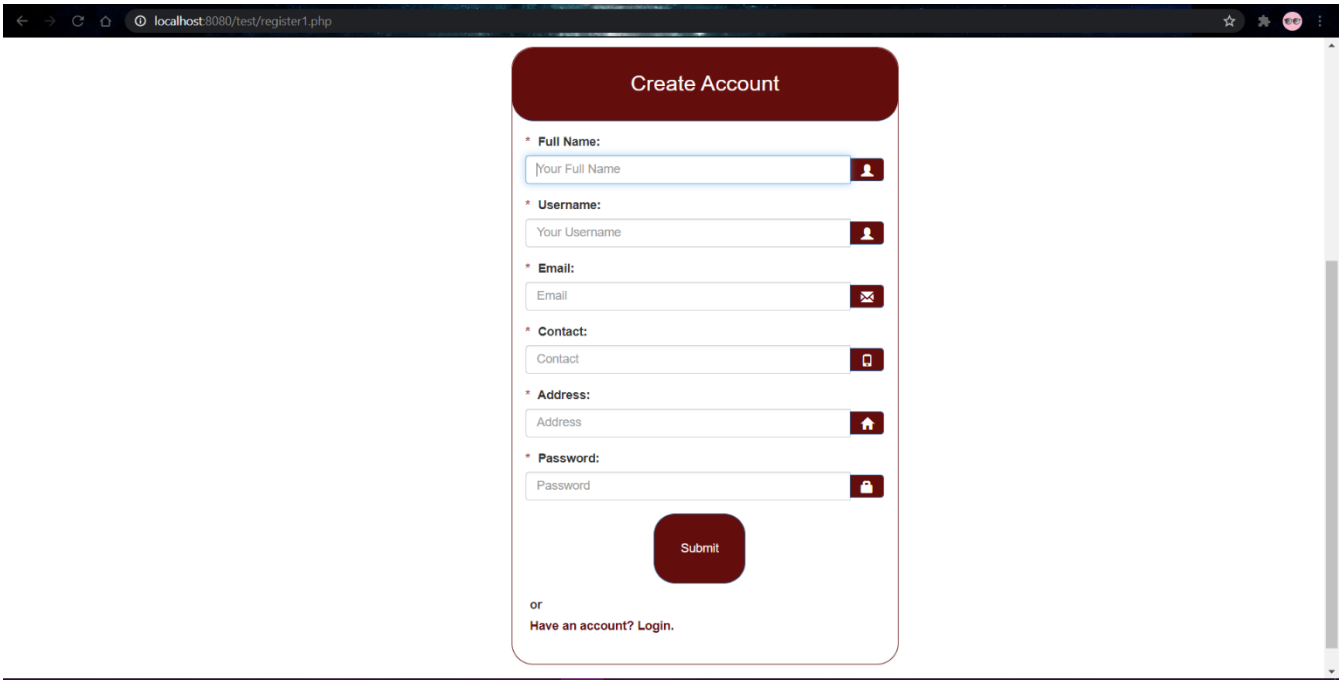
PHP is a server side scripting language. that is used to develop Static websites or Dynamic websites or Web applications. PHP stands for Hypertext Pre-processor, that earlier stood for Personal Home Pages.

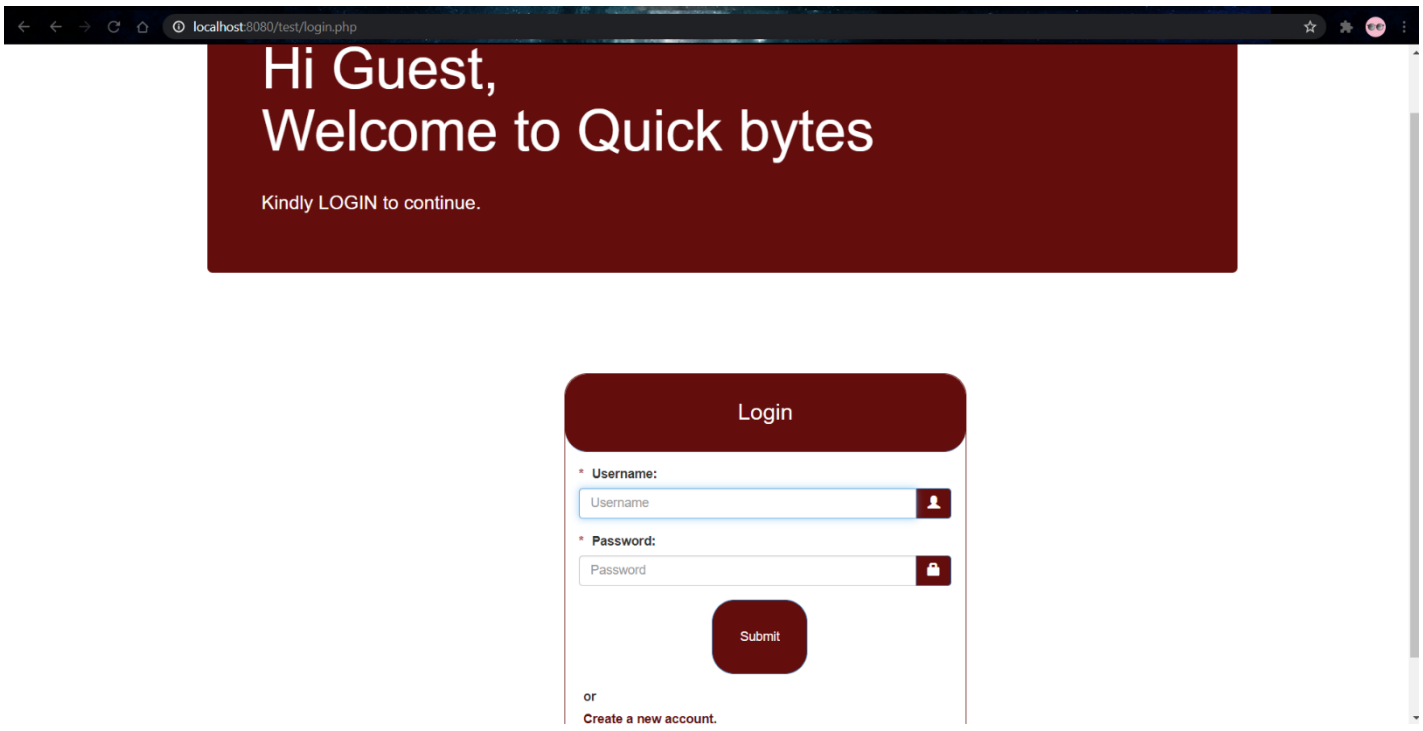
XAMPP Server

XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for scripts written in the PHP and Perl programming languages.

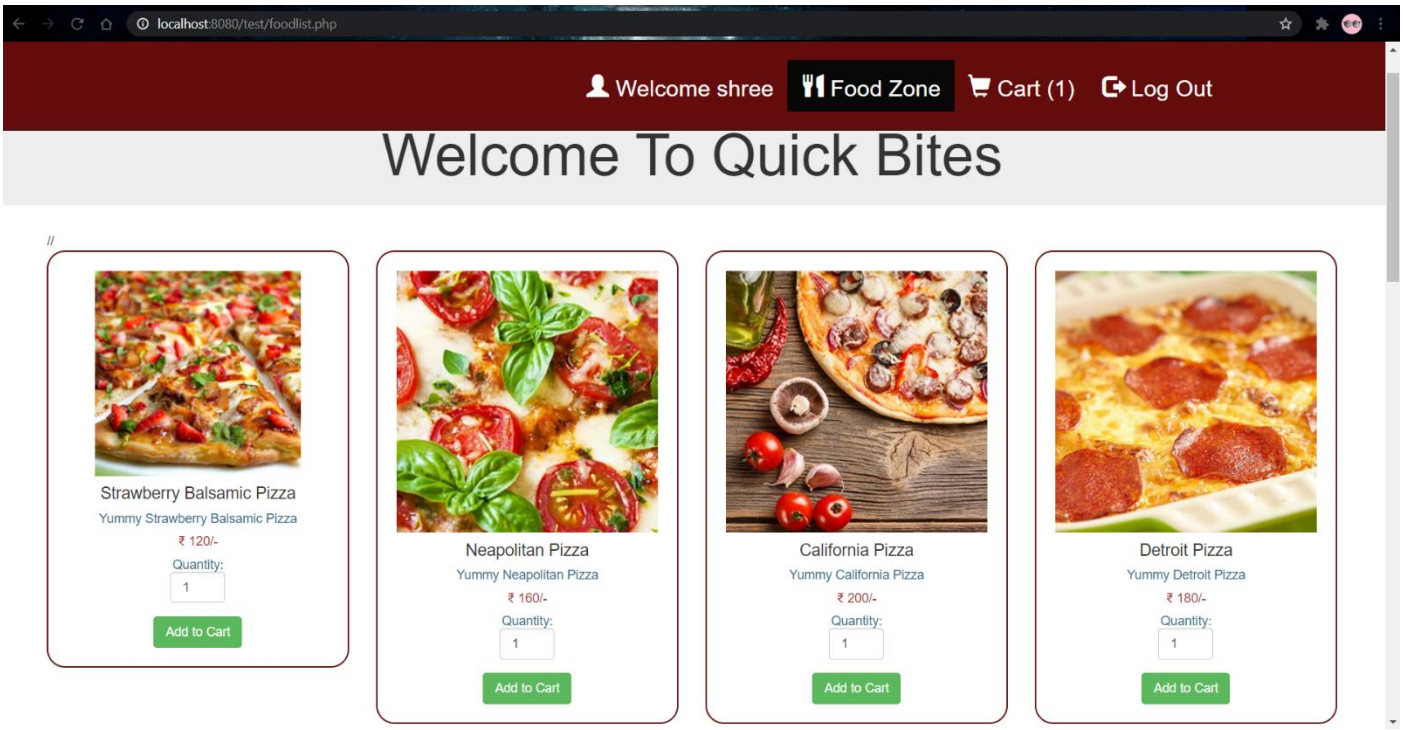
CHAPTER 6: SCREENSHOTS

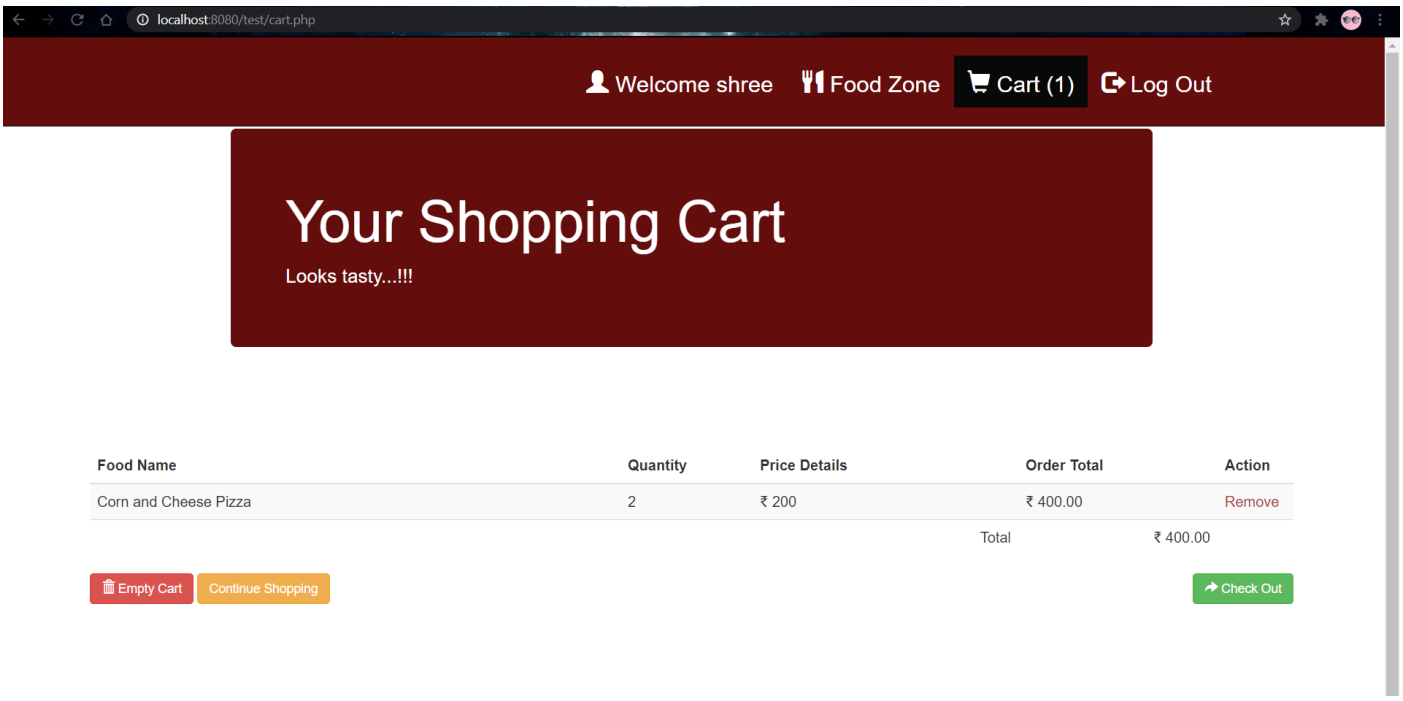
Customer View:



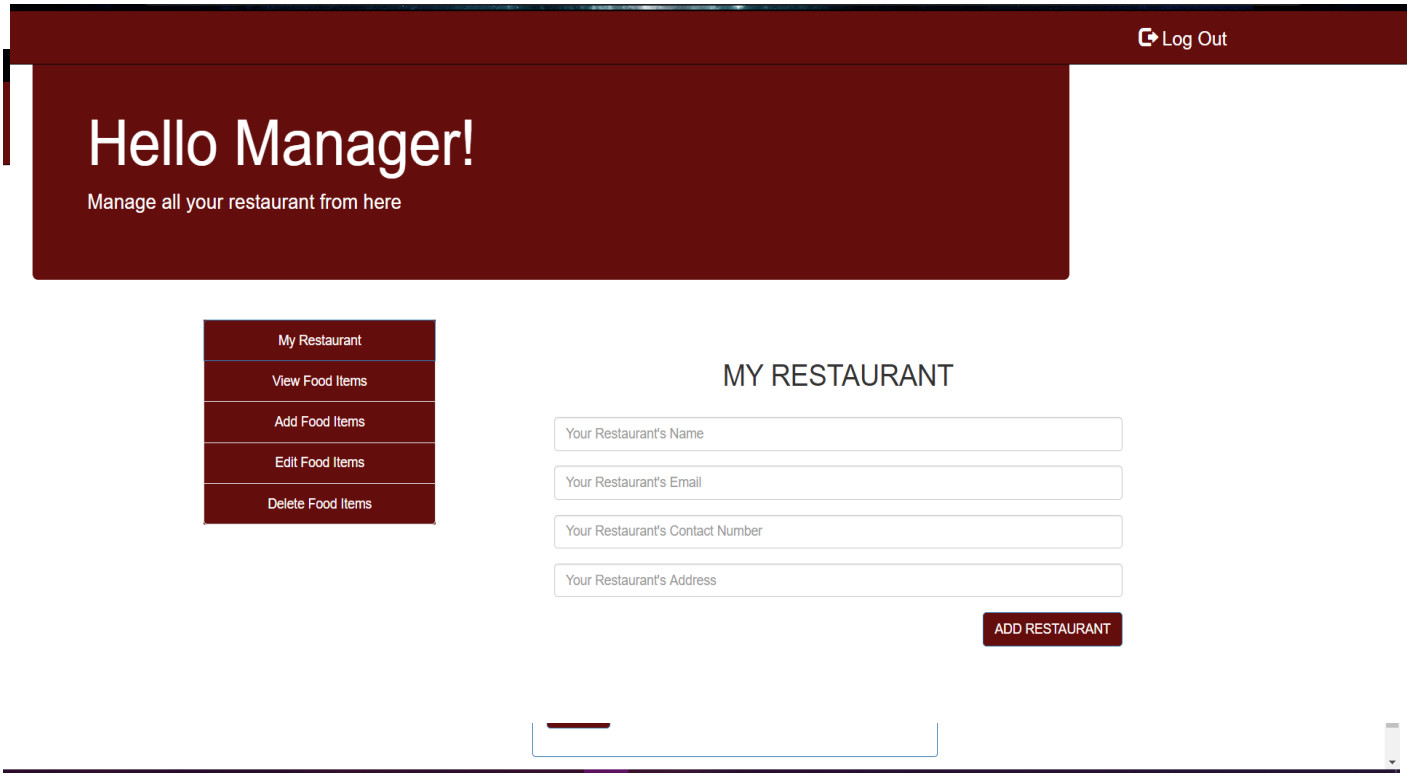


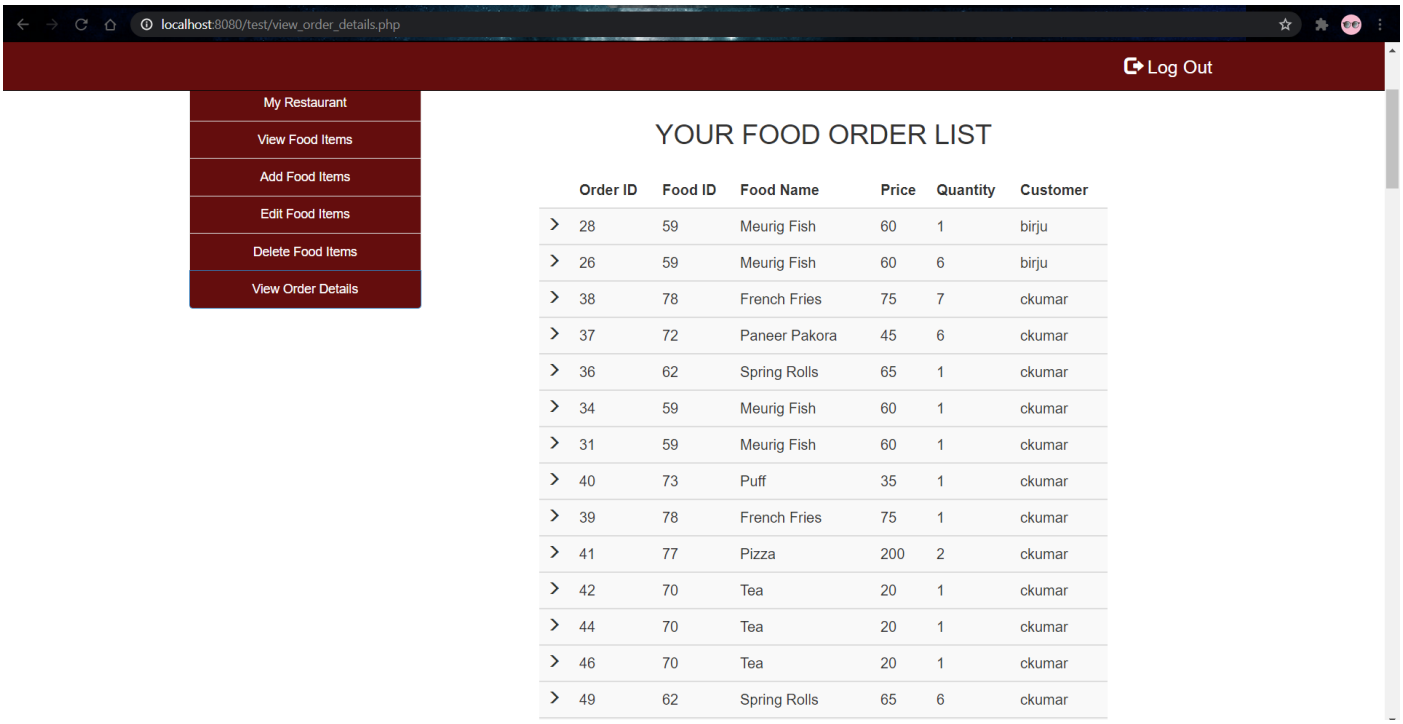
Customer order:



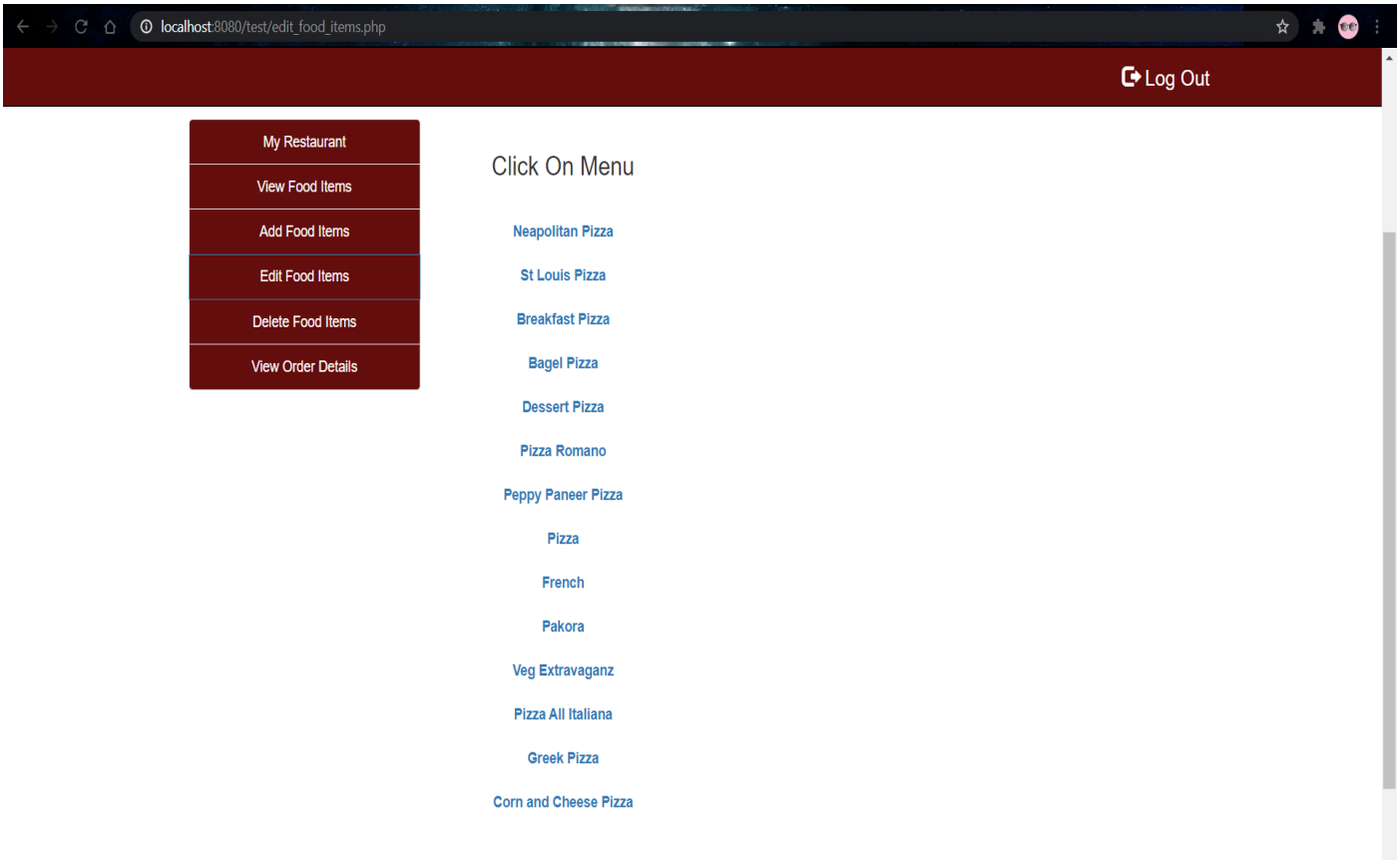


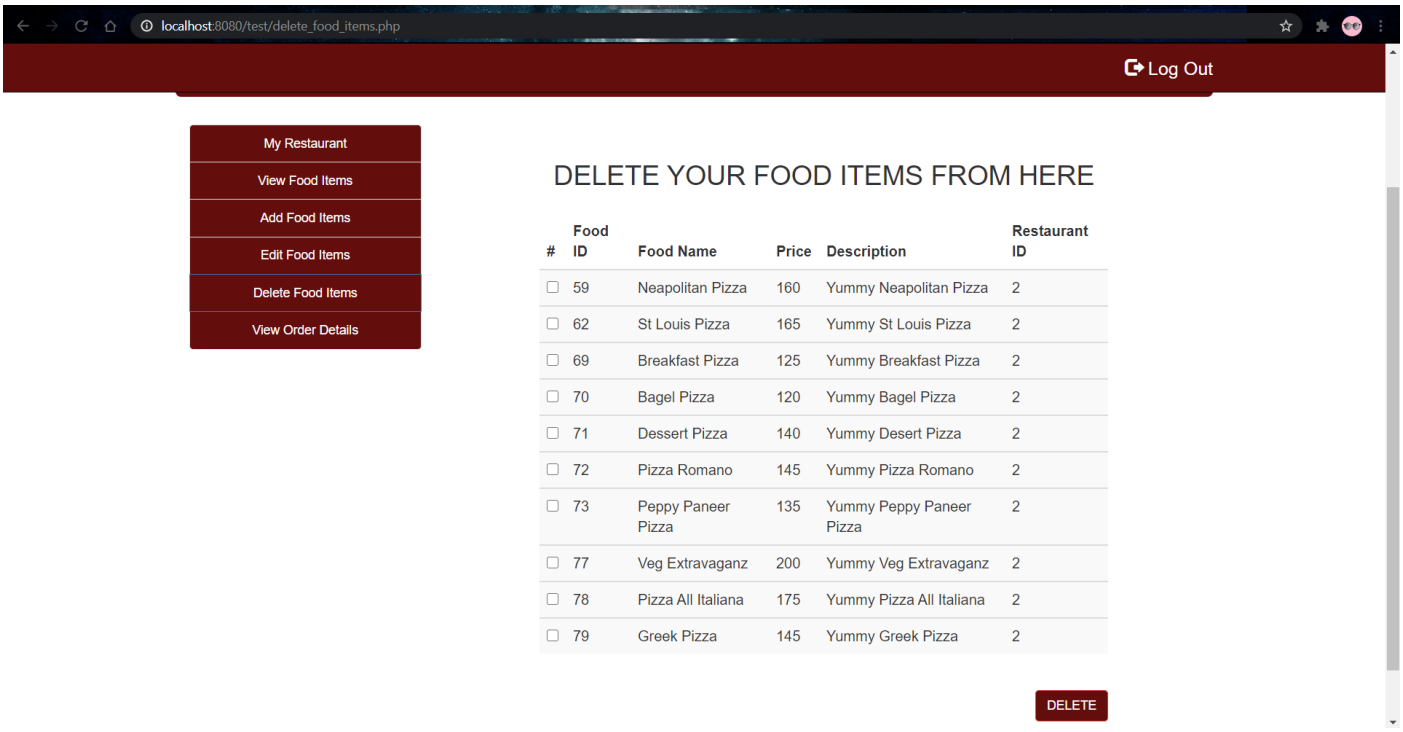
Manager View:

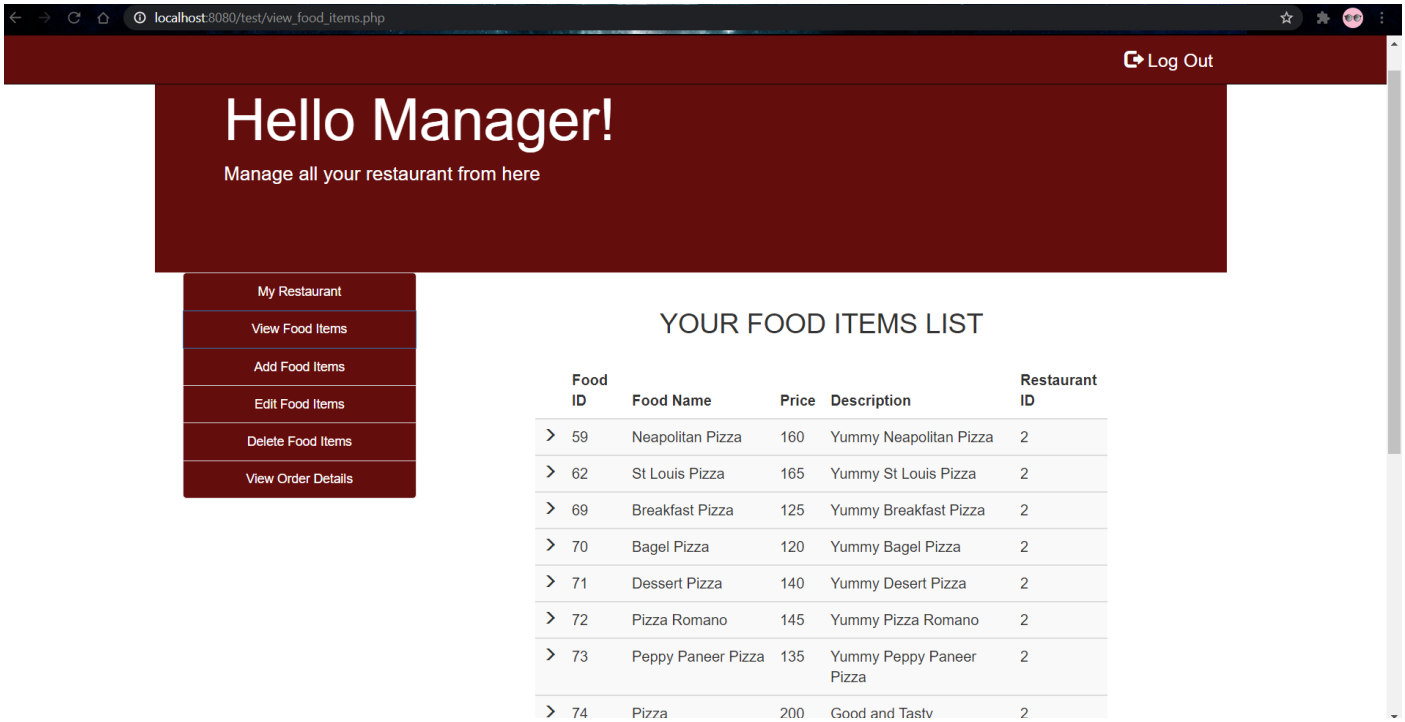




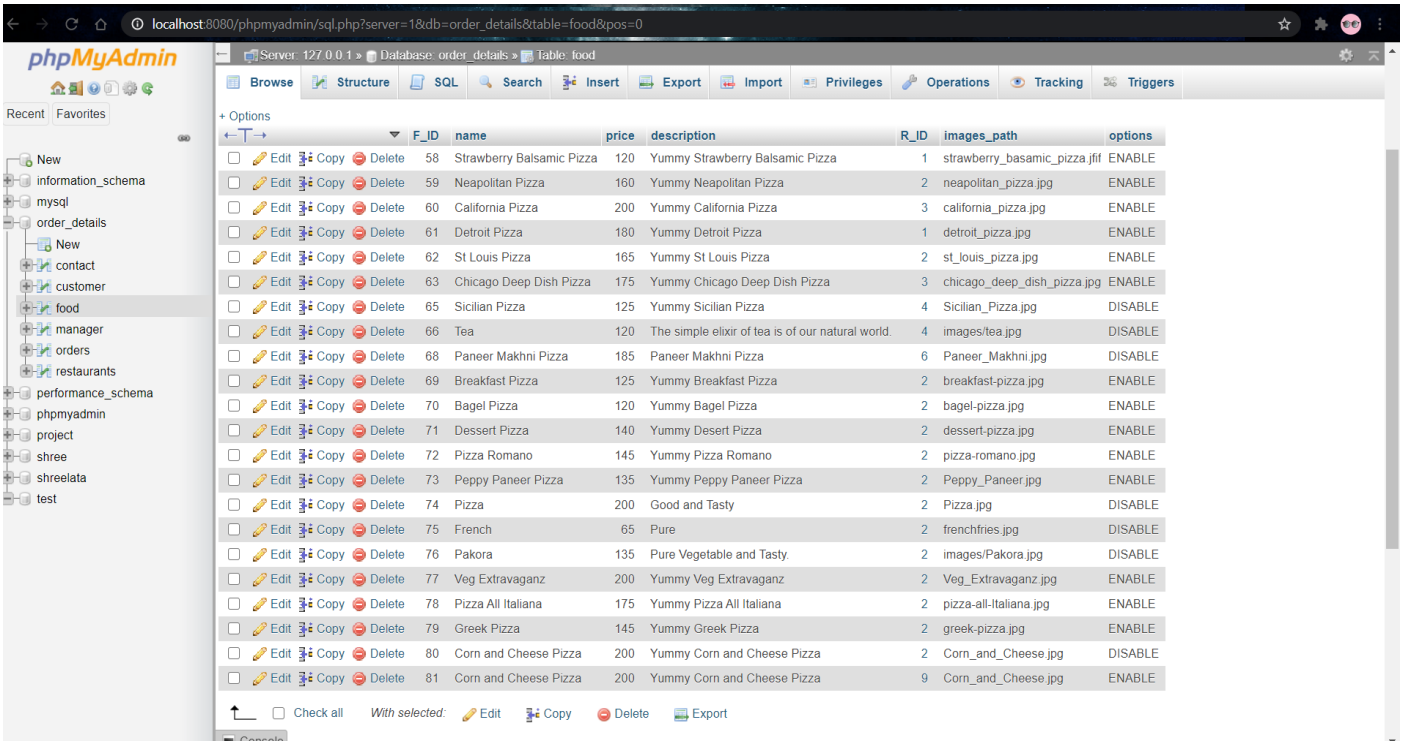
Order ID	Food ID	Food Name	Price	Quantity	Customer
28	59	Meurig Fish	60	1	birju
26	59	Meurig Fish	60	6	birju
38	78	French Fries	75	7	ckumar
37	72	Paneer Pakora	45	6	ckumar
36	62	Spring Rolls	65	1	ckumar
34	59	Meurig Fish	60	1	ckumar
31	59	Meurig Fish	60	1	ckumar
40	73	Puff	35	1	ckumar
39	78	French Fries	75	1	ckumar
41	77	Pizza	200	2	ckumar
42	70	Tea	20	1	ckumar
44	70	Tea	20	1	ckumar
46	70	Tea	20	1	ckumar
49	62	Spring Rolls	65	6	ckumar

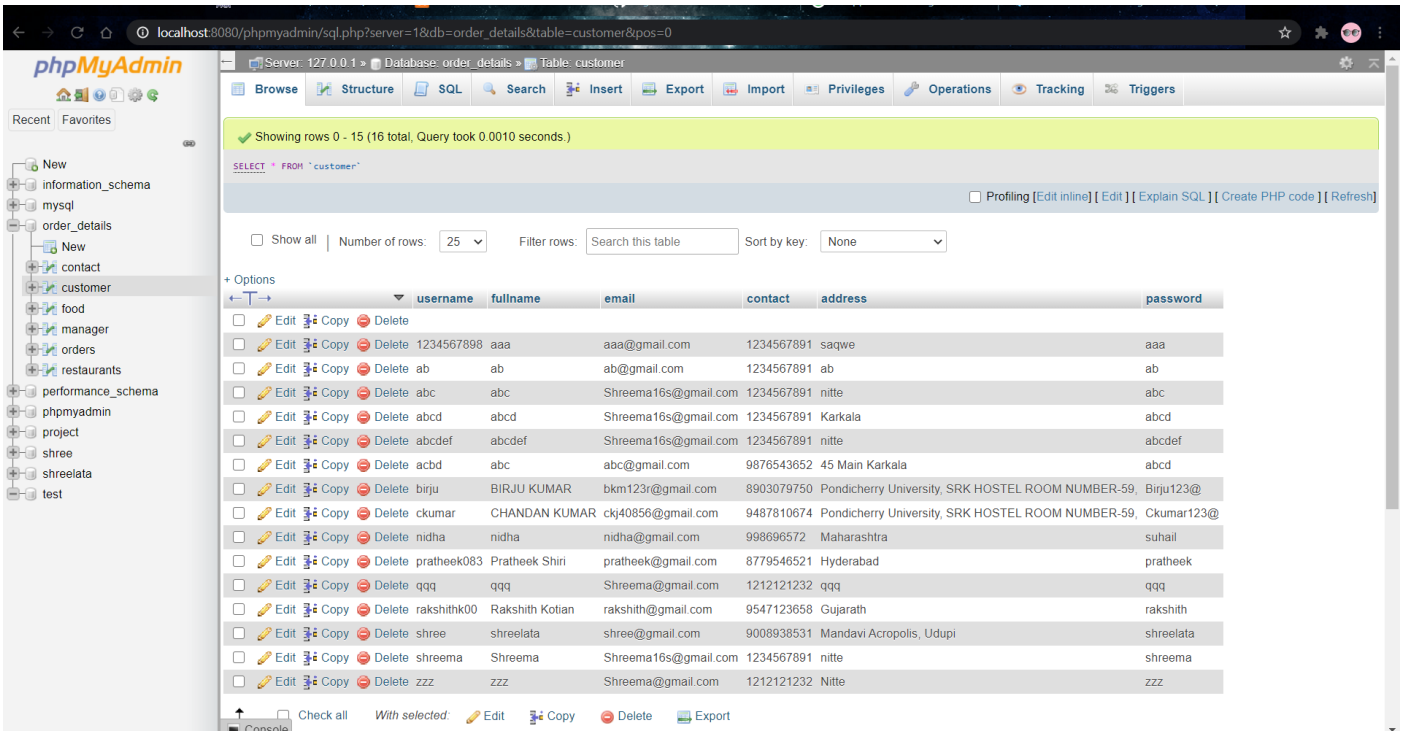

localhost:8080/test/edit_food_items.php
Log Out
My Restaurant
View Food Items
Add Food Items
Edit Food Items
Delete Food Items
View Order Details
Click On Menu
Neapolitan Pizza
St Louis Pizza
Breakfast Pizza
Bagel Pizza
Dessert Pizza
Pizza Romano
Peppy Paneer Pizza
Pizza
French
Pakora
Veg Extravaganz
Pizza All Italiana
Greek Pizza
Corn and Cheese Pizza

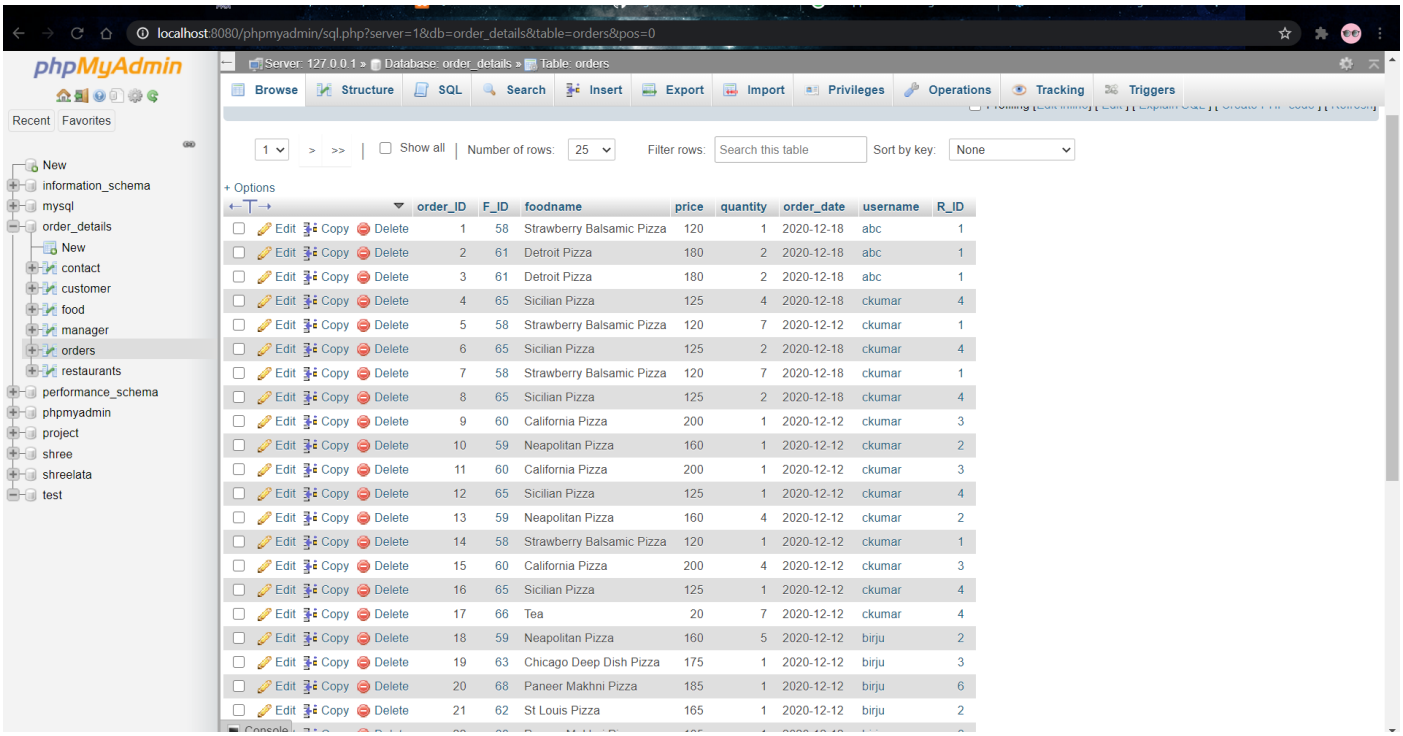

localhost:8080/test/delete_food_items.php
Log Out
My Restaurant
View Food Items
Add Food Items
Edit Food Items
Delete Food Items
View Order Details
DELETE YOUR FOOD ITEMS FROM HERE
Food ID Food Name Price Description Restaurant ID
59 Neapolitan Pizza 160 Yummy Neapolitan Pizza 2
62 St Louis Pizza 165 Yummy St Louis Pizza 2
69 Breakfast Pizza 125 Yummy Breakfast Pizza 2
70 Bagel Pizza 120 Yummy Bagel Pizza 2
71 Dessert Pizza 140 Yummy Desert Pizza 2
72 Pizza Romano 145 Yummy Pizza Romano 2
73 Peppy Paneer Pizza 135 Yummy Peppy Paneer Pizza 2
77 Veg Extravaganz 200 Yummy Veg Extravaganz 2
78 Pizza All Italiana 175 Yummy Pizza All Italiana 2
79 Greek Pizza 145 Yummy Greek Pizza 2
DELETE

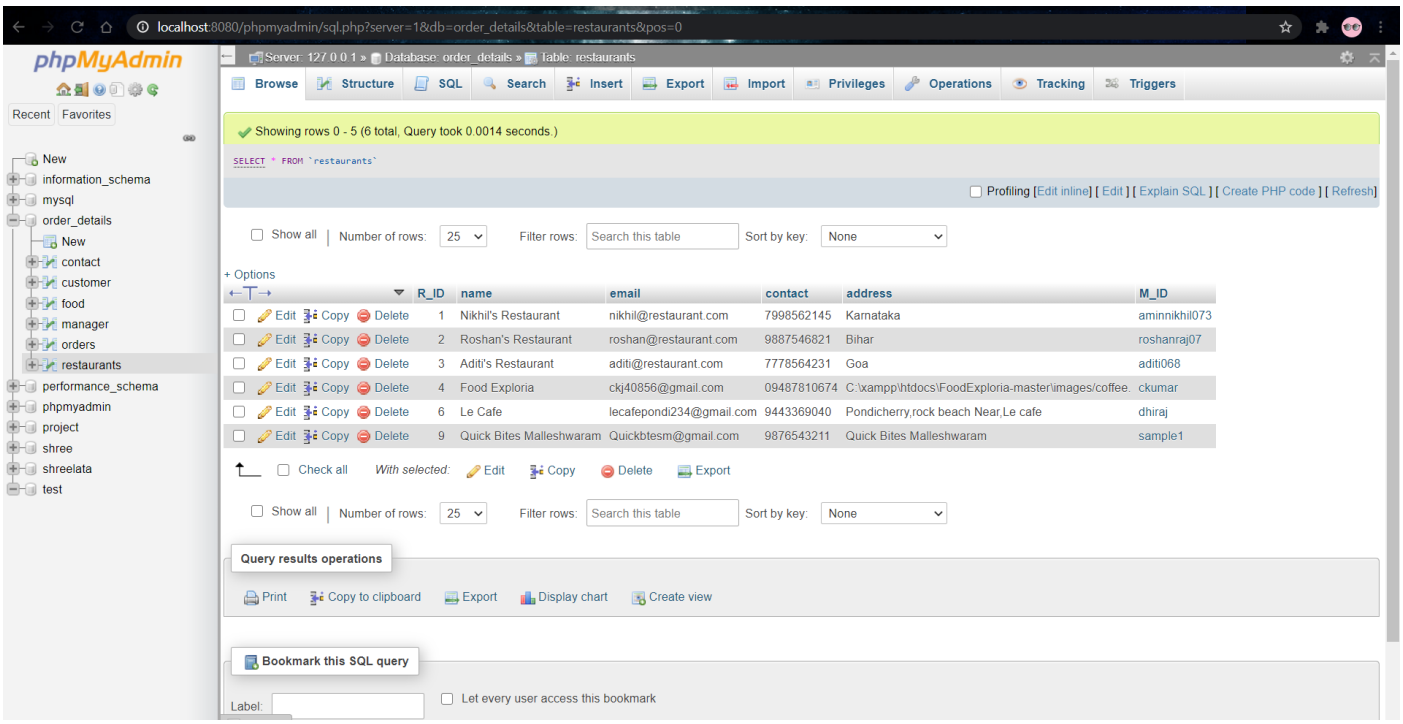

localhost:8080/test/view_food_items.php
Log Out
Hello Manager!
Manage all your restaurant from here
My Restaurant
View Food Items
Add Food Items
Edit Food Items
Delete Food Items
View Order Details
YOUR FOOD ITEMS LIST
Food ID
Food Name
Price
Description
Restaurant ID
59 Neapolitan Pizza 160 Yummy Neapolitan Pizza 2
62 St Louis Pizza 165 Yummy St Louis Pizza 2
69 Breakfast Pizza 125 Yummy Breakfast Pizza 2
70 Bagel Pizza 120 Yummy Bagel Pizza 2
71 Dessert Pizza 140 Yummy Desert Pizza 2
72 Pizza Romano 145 Yummy Pizza Romano 2
73 Peppy Paneer Pizza 135 Yummy Peppy Paneer Pizza 2
74 Pizza 200 Good and Tasty 2

Database View of various tables:






localhost:8080/phpmyadmin/sql.php?server=1&db=order_details&table=orders&pos=0
phpMyAdmin
Server: 127.0.0.1 » Database: order_details » Table: orders
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Recent Favorites
New
information_schema
mysql
order_details
New
contact
customer
food
manager
orders
restaurants
performance_schema
phpmyadmin
project
shree
shreelata
test
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
+ Options
order_ID F_ID foodname price quantity order_date username R_ID
1 58 Strawberry Balsamic Pizza 120 1 2020-12-18 abc 1
2 61 Detroit Pizza 180 2 2020-12-18 abc 1
3 61 Detroit Pizza 180 2 2020-12-18 abc 1
4 65 Sicilian Pizza 125 4 2020-12-18 ckumar 4
5 58 Strawberry Balsamic Pizza 120 7 2020-12-12 ckumar 1
6 65 Sicilian Pizza 125 2 2020-12-18 ckumar 4
7 58 Strawberry Balsamic Pizza 120 7 2020-12-18 ckumar 1
8 65 Sicilian Pizza 125 2 2020-12-18 ckumar 4
9 60 California Pizza 200 1 2020-12-12 ckumar 3
10 59 Neapolitan Pizza 160 1 2020-12-12 ckumar 2
11 60 California Pizza 200 1 2020-12-12 ckumar 3
12 65 Sicilian Pizza 125 1 2020-12-12 ckumar 4
13 59 Neapolitan Pizza 160 4 2020-12-12 ckumar 2
14 58 Strawberry Balsamic Pizza 120 1 2020-12-12 ckumar 1
15 60 California Pizza 200 4 2020-12-12 ckumar 3
16 65 Sicilian Pizza 125 1 2020-12-12 ckumar 4
17 66 Tea 20 7 2020-12-12 ckumar 4
18 59 Neapolitan Pizza 160 5 2020-12-12 birju 2
19 63 Chicago Deep Dish Pizza 175 1 2020-12-12 birju 3
20 68 Paneer Makhni Pizza 185 1 2020-12-12 birju 6
21 62 St Louis Pizza 165 1 2020-12-12 birju 2


localhost:8080/phpmyadmin/sql.php?server=1&db=order_details&table=restaurants&pos=0
phpMyAdmin
Server: 127.0.0.1 » Database: order_details » Table: restaurants
Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers
Showing rows 0 - 5 (6 total, Query took 0.0014 seconds.)
SELECT * FROM `restaurants`
Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]
Show all | Number of rows: 25 Filter rows: Search this table Sort by key: None
+ Options
R_ID name email contact address M_ID
1 Nikhil's Restaurant nikhil@restaurant.com 7998562145 Karnataka aminnikhil073
2 Roshan's Restaurant roshan@restaurant.com 9887546821 Bihar roshanraj07
3 Aditi's Restaurant aditi@restaurant.com 7778564231 Goa aditi068
4 Food Exploria ckj40856@gmail.com 09487810674 C:\xampp\htdocs\FoodExploria-master\images/coffee. ckumar
6 Le Cafe lecafepondi234@gmail.com 9443369040 Pondicherry,rock beach Near,Le cafe dhiraj
9 Quick Bites Malleshwaram Quickbtesm@gmail.com 9876543211 Quick Bites Malleshwaram sample1
Check all With selected: Edit Copy Delete Export
Query results operations
Print Copy to clipboard Export Display chart Create view
Bookmark this SQL query
Label: Let every user access this bookmark

CHAPTER 7: CONCLUSION

Restaurant Management System is helpful in a lot of different ways. Some of these are daily, weekly or even monthly analysis of sales (Reports), Food Costing, Users and their Roles, ease of access for Customers, restaurant maintenance, etc.

Investing in cutting-edge technology like installing a highly efficient POS software would help one's restaurant immensely by delighting connoisseurs and adding up to their dining experience.

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