

# Project Documentation: Restaurant Database System (Zerry's Corner)

Made by:

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## 1. Project Description and Objectives

Zerry's Corner is a **restaurant management system** that facilitates seamless order processing, menu management, and customer feedback. The goal is to create a database system that simplifies operations while ensuring efficient retrieval.

### Objectives:

- Manage customer orders, including items ordered and their quantities.
  - Provide a feedback mechanism for customers to share their experiences.
  - Maintain and manage the restaurant's dynamic menu.
  - Track and display the status of customer orders in real-time.
  - Enable authentication for customers.
- 

## 2. Database Design Choices

The database is designed using the languages PHP, HTML, CSS, and JavaScript to balance simplicity and functionality, ensuring smooth data management and retrieval. Below is a description of the key tables and their relationships.

### Tables Overview:

#### 1. Customers

Stores information about customers for personalized services and order tracking.

- c\_id: Unique identifier for each customer.
- name: Full name of the customer.
- email: Email address for communication and authentication.
- phone: Contact number for communication.
- address: Customer's delivery address.

#### 2. Menu

Maintains the list of food items available for ordering.

- m\_id: Unique identifier for each menu item.

- name: Name of the menu item.
- price: Cost of the menu item.

### 3. **Orders**

Tracks orders placed by customers.

- o\_id: Unique identifier for each order.
- c\_id: Customer who placed the order (foreign key referencing c\_id in customers table).
- order\_date: Timestamp when the order was placed.
- total\_amount: Total price for the order.
- status: Current status of the order (e.g., pending, completed, canceled).

### 4. **Order\_Items**

Links individual menu items to specific orders, including their quantities.

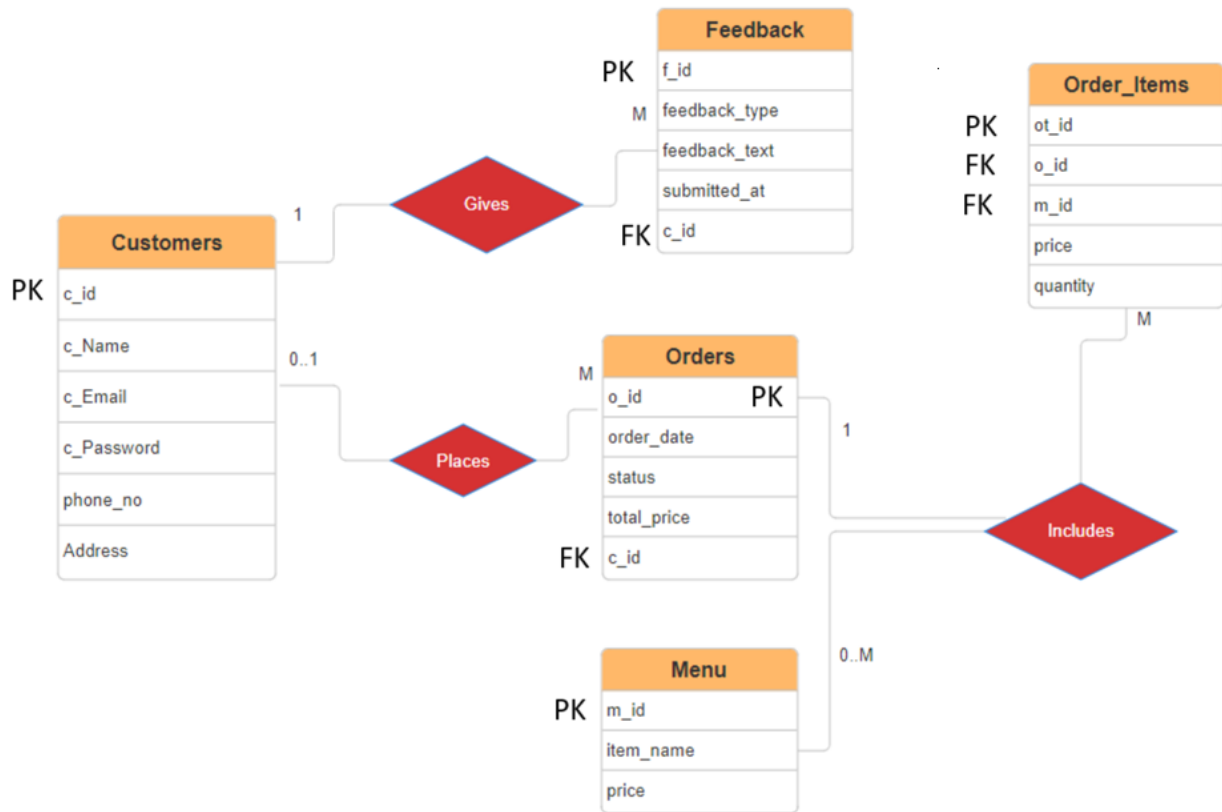
- ot\_id: Unique identifier for each record.
- o\_id: Associated order (foreign key referencing order\_id in orders table).
- m\_id: Menu item in the order (foreign key referencing menu\_id in menu table).
- quantity: Number of units of the menu item in the order.

### 5. **Feedback**

Captures customer feedback for quality improvement.

- f\_id: Unique identifier for each feedback entry.
- c\_id: Customer providing the feedback (foreign key referencing customer\_id in customers table).
- comments: Written feedback provided by the customer.

## **ER Diagram**



### 3. Sample Queries and Their Results

✓ Showing rows 0 - 2 (3 total, Query took 0.0003 seconds.)

```
SELECT * FROM `order_items` WHERE o_id = 34;
```

☐ 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

Extra options

|                          |      |      |        | ot_id | o_id | m_id | quantity | price |
|--------------------------|------|------|--------|-------|------|------|----------|-------|
| <input type="checkbox"/> | Edit | Copy | Delete | 124   | 34   | 11   | 1        | 6.99  |
| <input type="checkbox"/> | Edit | Copy | Delete | 125   | 34   | 12   | 2        | 5.99  |
| <input type="checkbox"/> | Edit | Copy | Delete | 127   | 34   | 14   | 1        | 3.99  |

↑ ☐ Check all With selected: Edit Copy Delete Export

Browse Structure SQL Search Insert Export Import Privileges Operations

Show query box

✓ Showing rows 0 - 1 (2 total, Query took 0.0005 seconds.)

```
SELECT * FROM `feedback` WHERE feedback_type = 'feedback';
```

☐ 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

Extra options

|                          |      |      |        | f_id | c_id | feedback_type | feedback_text              | submitted_at        |
|--------------------------|------|------|--------|------|------|---------------|----------------------------|---------------------|
| <input type="checkbox"/> | Edit | Copy | Delete | 10   | 9    | Feedback      | The Food was Amazing       | 2024-11-24 21:09:05 |
| <input type="checkbox"/> | Edit | Copy | Delete | 11   | 10   | Feedback      | The Cake was WONDERFUL!!!! | 2024-11-25 11:36:20 |

|                          |      |      |        | c_id | c_Name   | Address                                      | phone_no    | c_Email          | c_Password |
|--------------------------|------|------|--------|------|----------|--|-------------|------------------|------------|
| <input type="checkbox"/> | Edit | Copy | Delete | 1    | Zubair   | 2 Llannerch Road East, Colwyn Bay", LL28 4DD | 02323019396 | zubair@gmail.com | 123        |
| <input type="checkbox"/> | Edit | Copy | Delete | 2    | Baber    | Lanyard Street 45 east manhattan city        | 2194920934  | babar@gmail.com  | 123        |
| <input type="checkbox"/> | Edit | Copy | Delete | 9    | Zehra    | 1829 Chestnut Street ,Arizona                | 01234567891 | zehra@gmail.com  | 123        |
| <input type="checkbox"/> | Edit | Copy | Delete | 10   | Shehryar | G.K.5/22, Kharadar                           | 12121121212 | sherry@gmail.com | 123        |

## 4. Proper Execution and Presentation

### Key Features:

### 1. Dynamic Menu Management:

- Each menu item is stored with details like name, price, and category.
- Customers can view the available menu in their preferred category.

### 2. Efficient Order Processing:

- Orders are logged with timestamps and statuses, enabling easy tracking.
- Menu items and their quantities are linked to orders through the order\_items table.

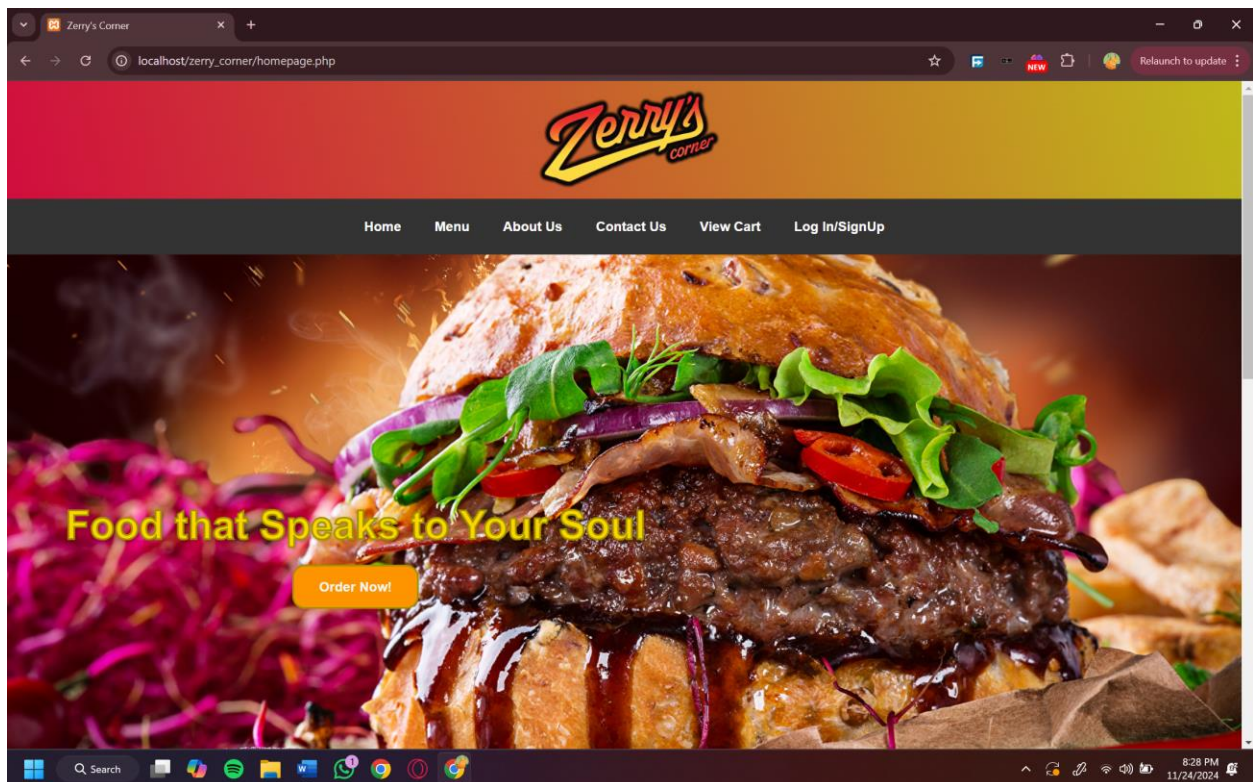
### 3. Customer Feedback Integration:

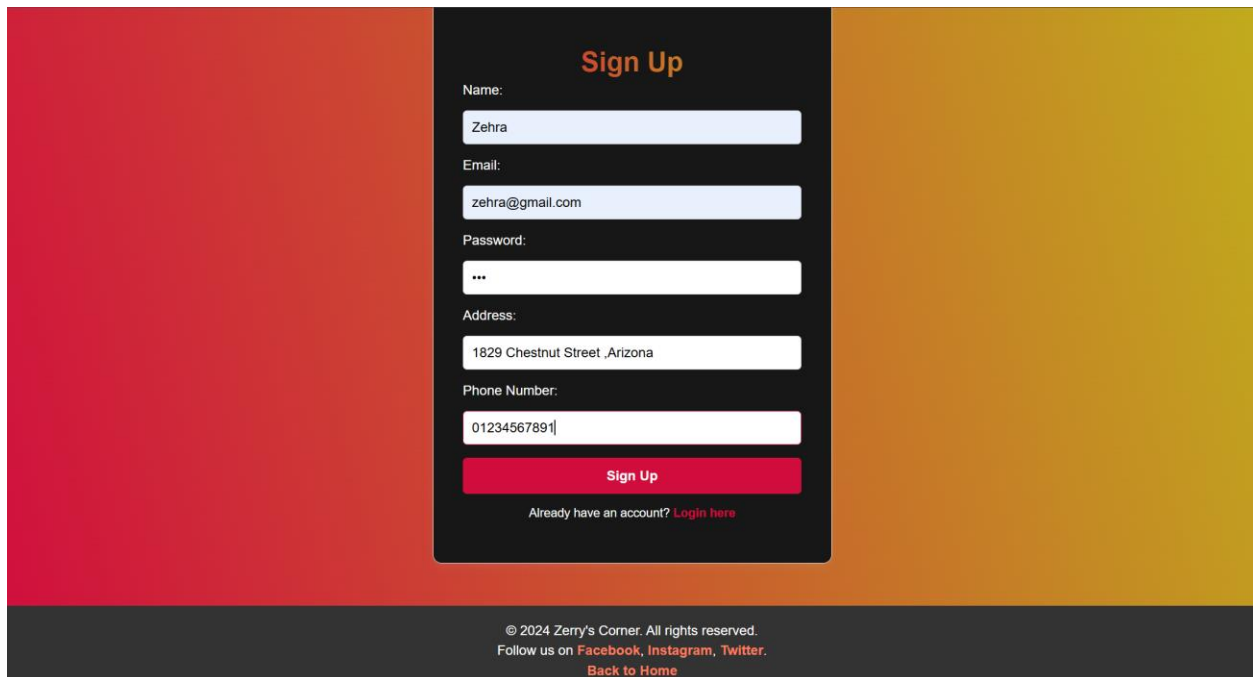
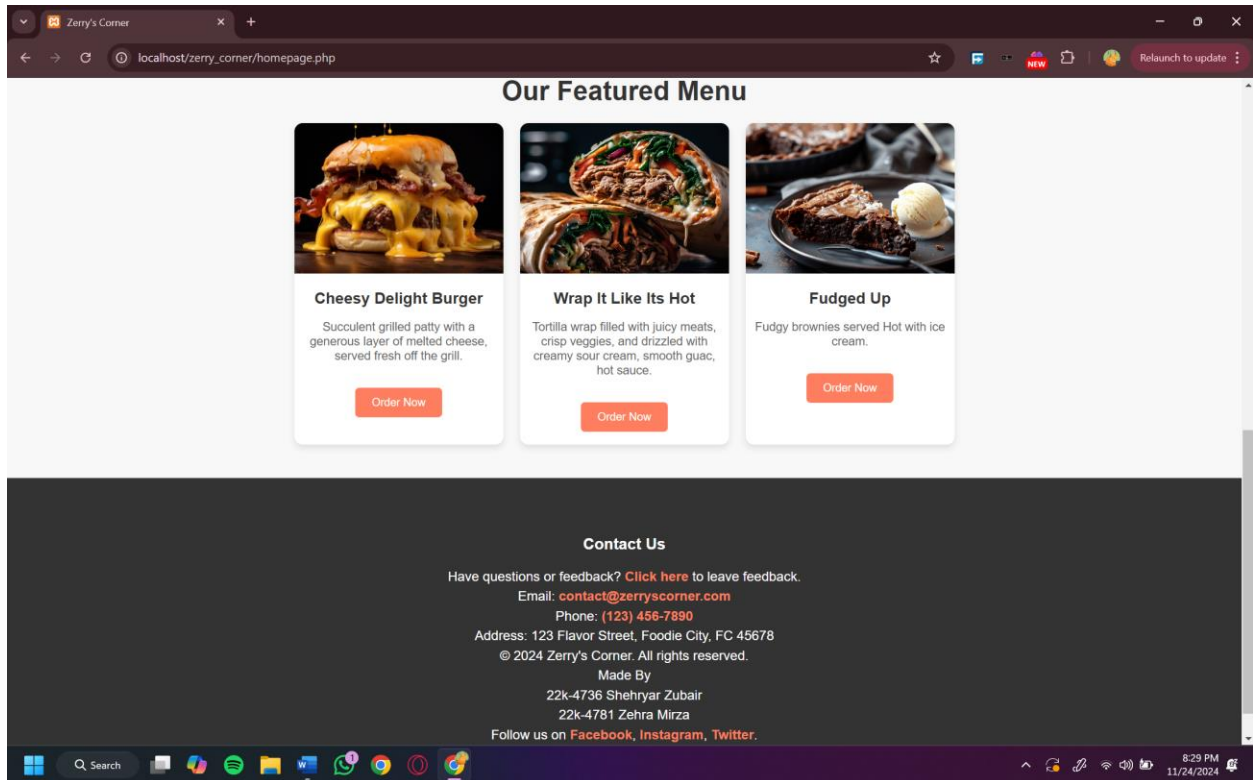
- Customers can provide detailed feedback, helping the restaurant identify areas for improvement.
- Feedback is linked directly to customer profiles for better traceability.

### 4. Data Insights:

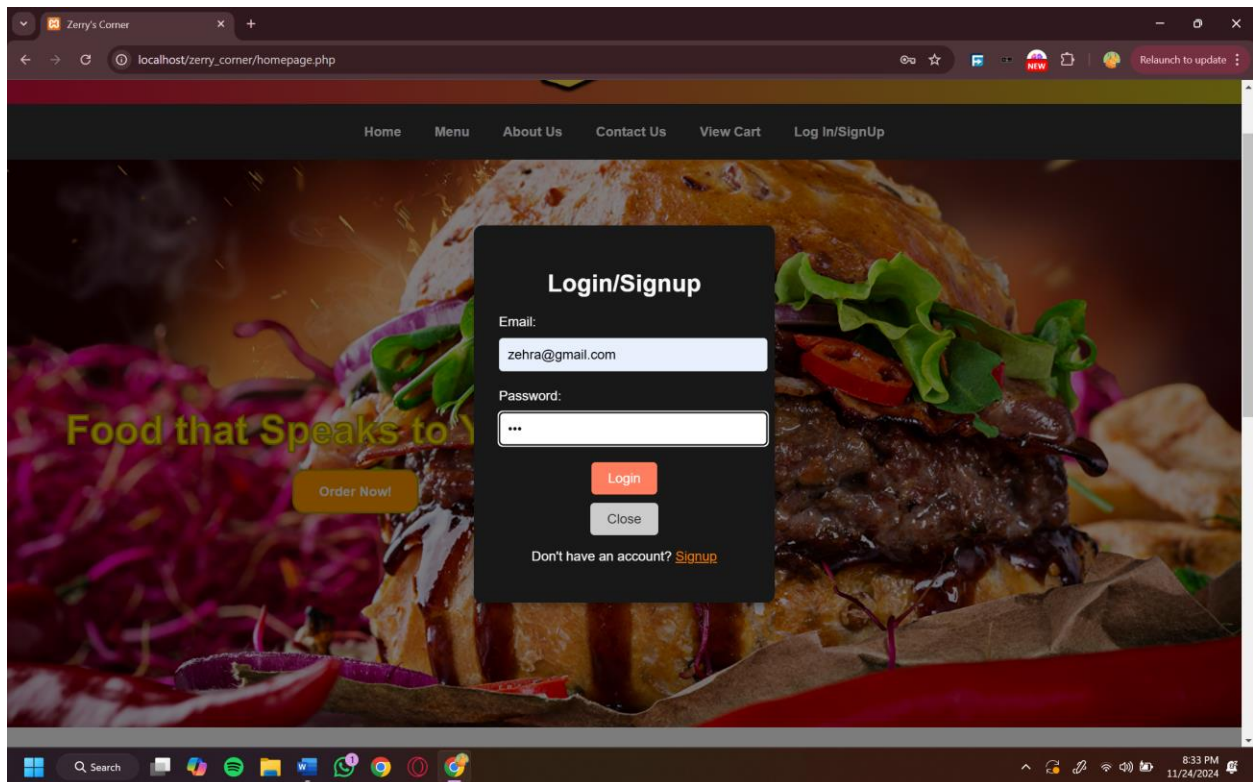
- By running SQL queries, staff can analyze order trends, popular menu items, and customer satisfaction levels.
- Examples include identifying high-demand menu items or customers with frequent orders.

### Screenshots:

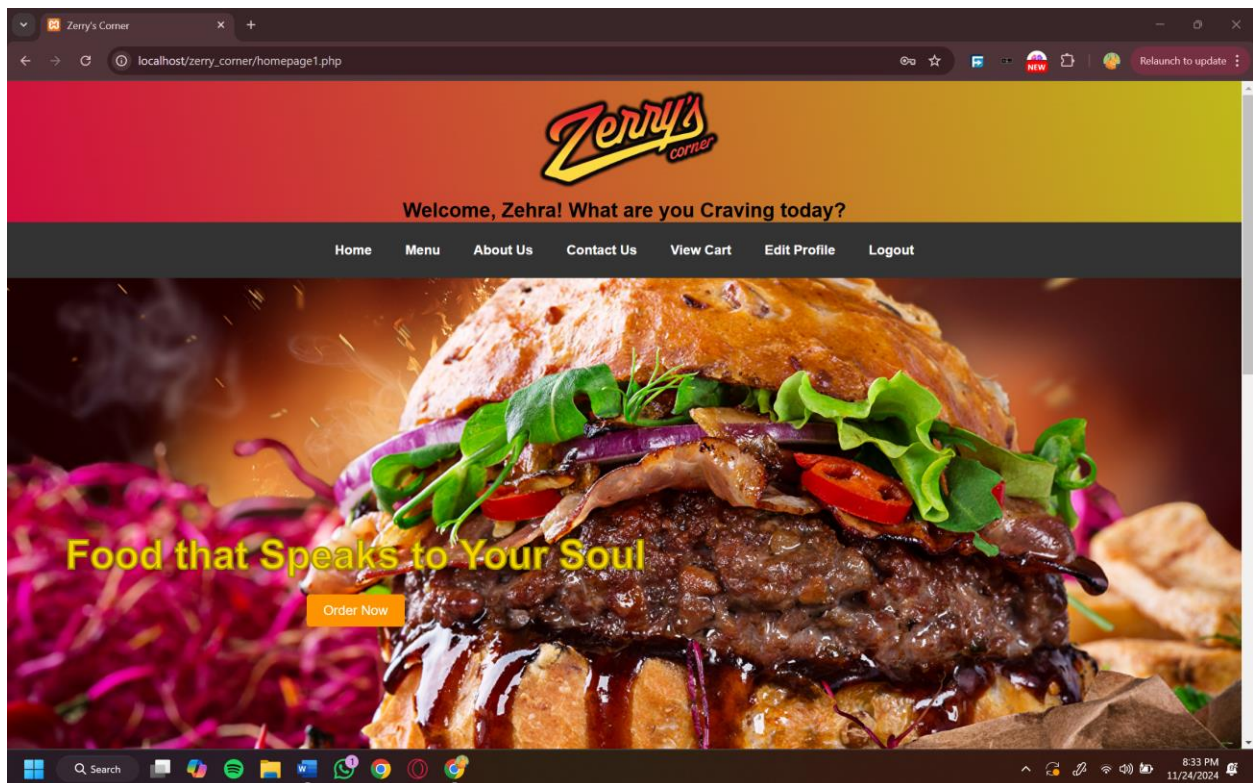








After Logging In:



Welcome, Zehra! What are you Craving today?

Home

Menu

About Us

Contact Us

View Cart


Edit Profile

Logout

Menu - Zerry's Corner

localhost/zerry\_corner/menu.php


Relaunch to update



## Our Menu

Appetizers Mains Desserts View Cart

### Appetizers




**Hot & Loaded**

Crispy fries topped with cheese and jalapeños.

**\$3.50**

Add to Cart




**No Strings Attached**

Golden fried mozzarella sticks served with marinara sauce.

**\$2.99**

Add to Cart




**Macho Nachos**

Mexican-styled nachos loaded with salsa, cheese, and sour cream.

**\$3.50**

Add to Cart




**Tiny But Mighty**

Bite-sized burgers with a variety of fillings.

**\$4.99**

Add to Cart



**Wingin' It**

Honey Glazed Grilled Chicken Wings Dipped in honey mustard sauce.

**\$3.99**

Add to Cart

8:34 PM 11/24/2024




Menu - Zerry's Corner

localhost/zerry\_corner/menu.php

Relaunch to update

# Mains




## Say Cheese!

Succulent grilled patty with a generous layer of melted cheese, served fresh off the grill.

**\$5.99**

Add to Cart




## Creamy Carbonara

Rich, creamy carbonara with crispy pancetta, silky Parmesan sauce, and a touch of black

**\$6.99**

Add to Cart




## Mario's First Love

Wood-fired pizza topped with fresh basil and mozzarella. Princess Peach Who?

**\$6.99**

Add to Cart




## Sear-iously Epic

Juicy tomahawk steak served with garlic butter and vegetables.

**\$9.99**

Add to Cart




## Stack Attack

Three-layered Club Sandwich having chicken, eggs, and veadies.

**\$7.99**

Add to Cart



## Wrap It Like It's Hot

Tortilla wrap filled with juicy

Menu - Zerry's Corner


localhost/zerry\_corner/menu.php

Relaunch to update

**\$6.99**

Add to Cart

# Desserts




## A Sweet Escape

Rich and creamy cheesecake with a graham cracker crust.

**\$5.99**

Add to Cart




## Fudged Up

Fudgy brownies served hot with ice cream.

**\$4.99**

Add to Cart



## Bean There Done That

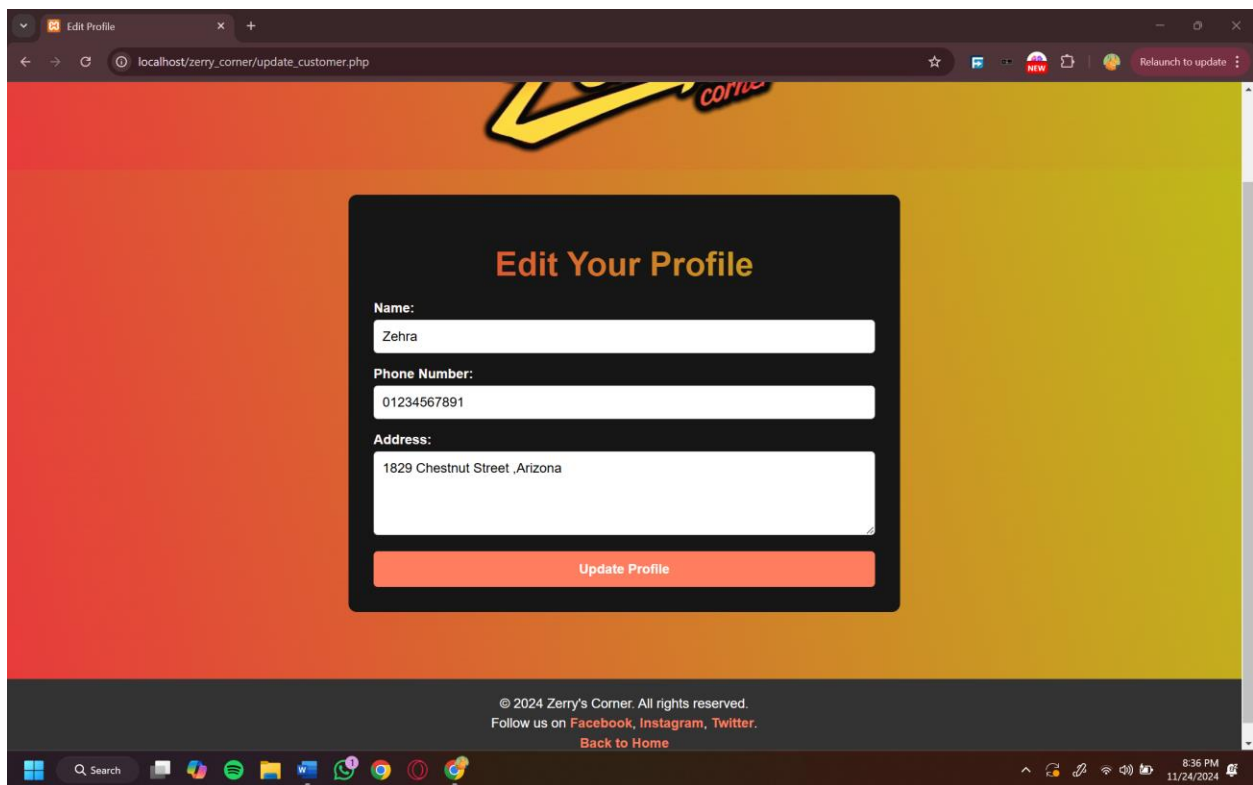
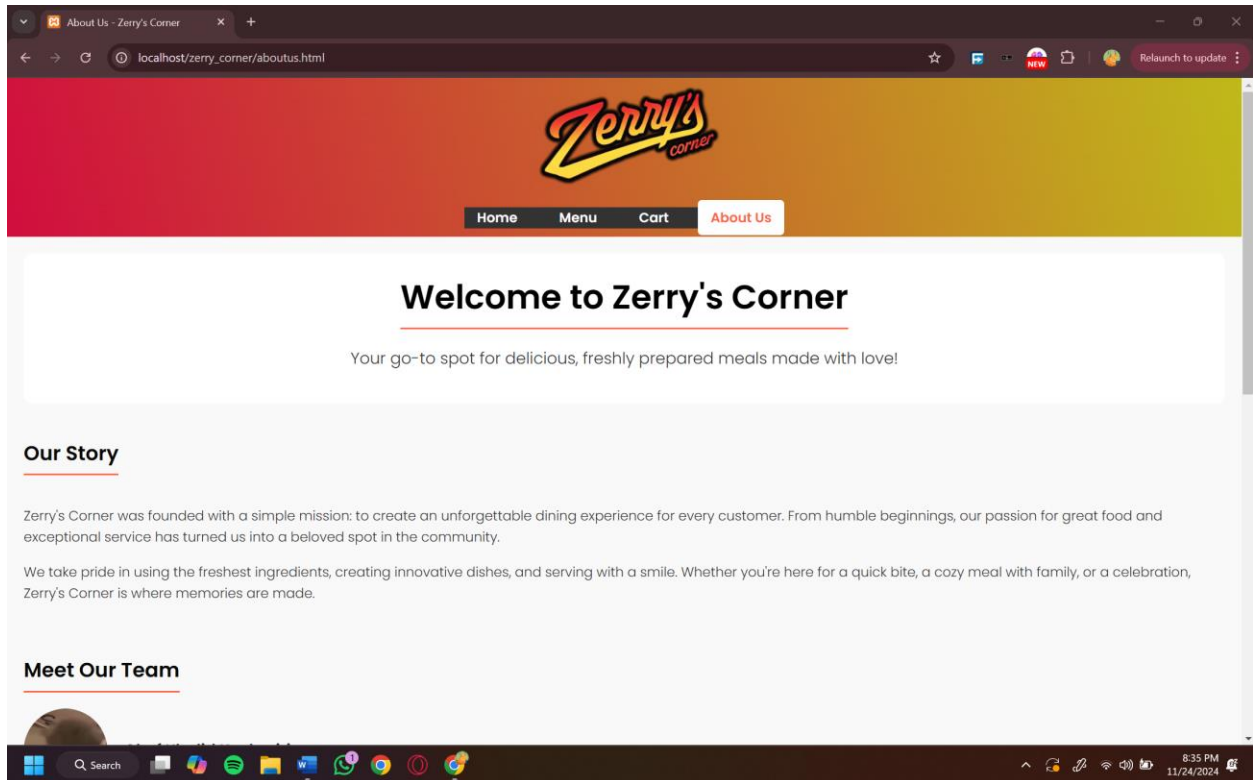
Coffee and cinnamon Flavored ice cream topped with Caramel sauce.

**\$3.99**

Add to Cart

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[Back to Home](#)





Your profile has been updated successfully! Would you like to stay on this page or go to the home page? ✕

Keep Updating

Leave Page

## Edit Your Profile

Name:

Zehra

Phone Number:

01234567891

Address:


1829 Chestnut Street ,Arizona

Update Profile

View Cart

localhost/zerry\_corner/view\_cart.php

Relaunch to update




[Home](#) [Menu](#) [Logout](#)

### My Cart

| Item Name            | Quantity                       | Price  | Total   | Actions                                       |
|----------------------|--------------------------------|--------|---------|---|
| Wrap It Like Its Hot | <input type="text" value="1"/> | \$6.99 | \$6.99  | <a href="#">Update</a> <a href="#">Remove</a> |
| A Sweet Escape       | <input type="text" value="2"/> | \$5.99 | \$11.98 | <a href="#">Update</a> <a href="#">Remove</a> |
| Bean There Done That | <input type="text" value="1"/> | \$3.99 | \$3.99  | <a href="#">Update</a> <a href="#">Remove</a> |
| Total                |                                |        | \$22.96 |   |

[Proceed to Checkout](#)


Contact Us

8:38 PM 11/24/2024

Checkout - Zerry's Corner

localhost/zerry\_corner/checkout.php

Relaunch to update



[Home](#) [Menu](#) [Logout](#)

### Checkout

**Wrap It Like Its Hot**  
Quantity: 1  
Price: \$6.99

---

**A Sweet Escape**  
Quantity: 2  
Price: \$5.99

---


**Bean There Done That**  
Quantity: 1  
Price: \$3.99

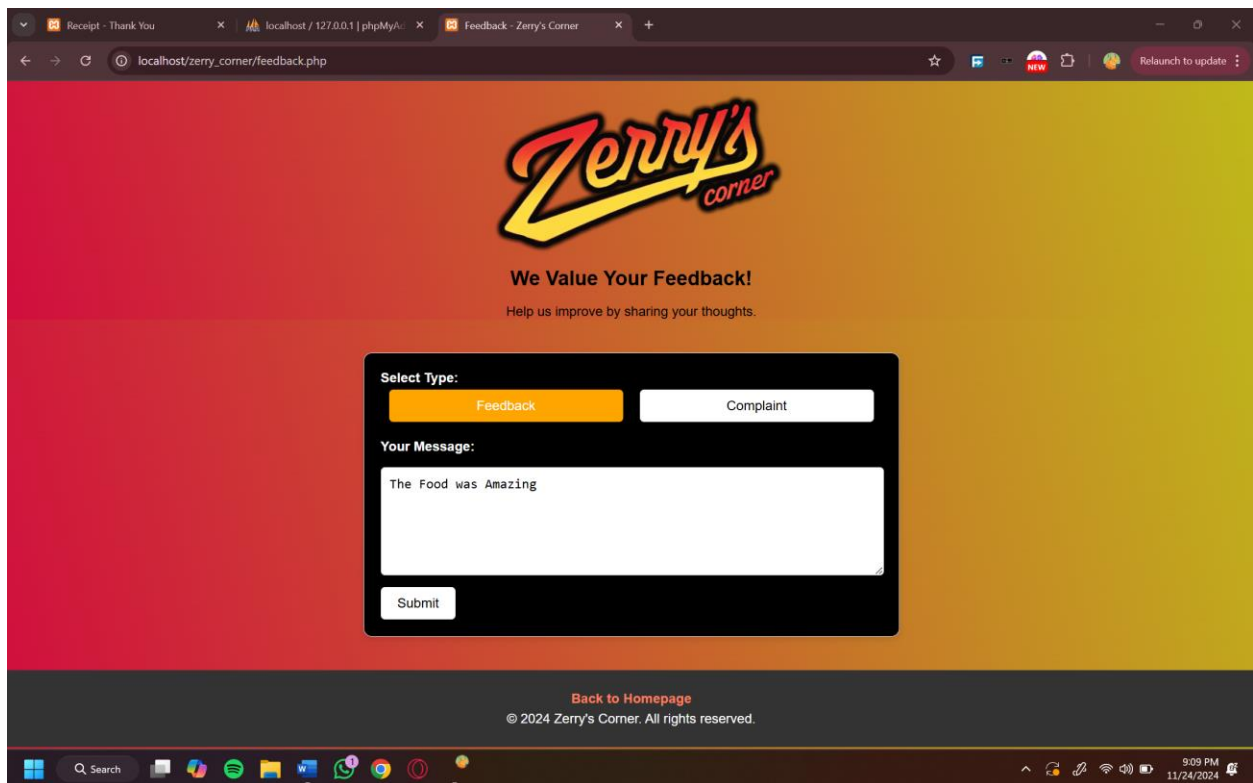
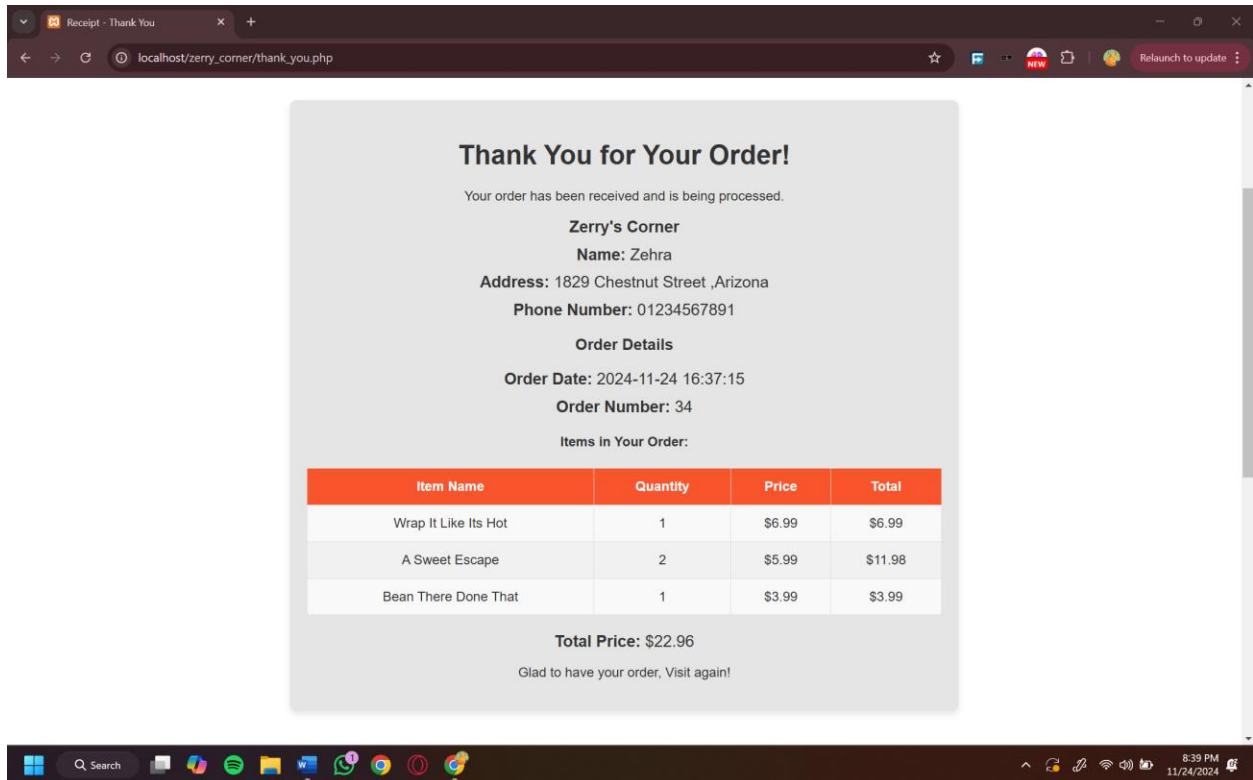
---

**Total Price: \$22.96**







Thank you for your order! Your order has been confirmed.

[Click here to view your Receipt](#)

8:38 PM 11/24/2024



phpMyAdmin



Recent

Favorites

+

phpmyadmin

-

zerrys\_corner

New

-


branches

-

Columns

New

B\_address (varchar)

 B\_id (PRI, int)

B\_name (varchar)

B\_phone (varchar, NULL, nullable)

+

Indexes

-

customers


-

Columns

New

Address (varchar)

c\_Email (varchar)

 c\_id (PRI, int)

c\_Name (varchar)

c\_Password (varchar)

phone\_no (varchar)

+

Indexes

-

feedback

-


Columns

New

c\_id (MUL, int)

feedback\_text (text)

feedback\_type (varchar)

 f\_id (PRI, int)

submitted\_at (timestamp, current...)

Server: 127.0.0.1

Databases

General settings

Server connection

More settings

Appearance

Language

Theme



