

Project Report: Cake Ordering System

1. Project Title

Cake Ordering System

A web-based PHP application for managing cake products, customer orders, and reviews through CRUD operations integrated with a MySQL database.

2. Group Members

- Farhan Donie Pratama
- Theodore Fitzgerald
- A. Anugerah Chaezar

3. Background

Cake businesses often require a system to manage customer orders, product listings, and customer feedback efficiently. Many small-scale bakeries still rely on manual note-taking or spreadsheets, which can lead to errors and data mismanagement. To address this, we built a server-side PHP application that helps bakeries manage operations digitally, enabling faster service, order tracking, and review analysis.

4. Objective

To develop a dynamic and modular PHP-based web application that enables the management of cake data, customer details, orders, and reviews—each equipped with full Create, Read, Update, and Delete (CRUD) functionality and relational database integrity.

5. Application Features

The Cake Ordering System consists of four core modules:

- **Cake Management**
Add, list, update, and delete cakes with attributes such as name, price, description, and image.
- **Customer Management**
Register and update customer information like name, email, and phone number.
- **Order Management**
Create and view orders, each linking a customer with a cake selection and purchase details.
- **Review System**
Let customers provide and edit feedback on cakes, including review text and ratings.


Each module is represented by separate PHP files to keep the application clean and modular.

6. Technologies Used

- **PHP** – For server-side logic
- **MySQL** – For database management
- **HTML** – To build the UI
- **Basic CSS** – For minimal layout styling
- **phpMyAdmin** – For managing the database during development

7. Application Interface

• Index

 Anugerah Bakery

CakesCustomersOrdersReviews

Anugerah Bakery

Cakes

View, add, edit, or delete cakes.

Manage Cakes

Customers

View, add, edit, or delete customer information.

Manage Customers

Orders

Manage customer orders and payments.


Manage Orders

Reviews


View and manage cake reviews.

Manage Reviews

• Cake List

 Anugerah Bakery

CakesCustomersOrdersReviews


 Cake List

ID	Name	Type	Size	Price	Actions
13	Red Velvet	Sponge	Medium	Rp 30000.00	<div>EditDelete</div>
14	Blueberry Bliss	Sponge	Small	Rp 25000.00	<div>EditDelete</div>
15	Lemon Sunshine	Sponge	Small	Rp 25000.00	<div>EditDelete</div>
16	Double Chocolate Fudge	Chocolate	Large	Rp 45000.00	<div>EditDelete</div>
17	Strawberry Cheesecake	Cheesecake	Medium	Rp 30000.00	<div>EditDelete</div>
18	Black Forest Gateau	Chocolate	Large	Rp 45000.00	<div>EditDelete</div>
20	Brownies	Chocolate	Medium	Rp 30000.00	<div>EditDelete</div>
21	Matcha Cake	Sponge	Small	Rp 25000.00	<div>EditDelete</div>


Add New Cake

Home

• Edit Cake

 Anugerah Bakery

CakesCustomersOrdersReviews

 Edit Cake

Cake Name

Red Velvet

Price (Rp)

30000,00

Cake Type

Sponge


Cake Size

Medium


Update Cake

Back to Cake List

• Add New Cake

 Anugerah Bakery

CakesCustomersOrdersReviews

 Add New Cake

Cake Name

Price (Rp)

Cake Type

Select Type


Cake Size

Select Size


Add Cake

Back to Cake List

- Customer List

 Anugerah Bakery

CakesCustomersOrdersReviews

 Add New Cake

Cake Name

Price (Rp)

Cake Type

Select Type

Cake Size

Select Size

Add CakeBack to Cake List

- Edit Customer

Edit Customer

Name

Alice Smith

Email

alice.smith@example.com

Phone

123-456-7890

Address

123 Main St, Anytown

Update

• Add New Customer

Anugerah Bakery

CakesCustomersOrdersReviews

+ Add New Customer

Customer Name

Email

Phone

Address

Add Customer

Back to Customer List

• Order List

Anugerah Bakery

CakesCustomersOrdersReviews

Order List

Order ID	Customer	Date	Status	Actions
101	Alice Smith	2025-04-20	Paid	<div>EditDelete</div>
102	Bob Johnson	2025-04-21	Pending	<div>EditDelete</div>
103	Alice Smith	2025-04-22	Paid	<div>EditDelete</div>
104	Charlie Brown	2025-04-22	Cancelled	<div>EditDelete</div>
106	Theo	2025-07-09	Paid	<div>EditDelete</div>

Add New Order

Home

- **Edit Orders**

Edit Order

Customer

Alice Smith



Order Date

20/04/2025




Payment Status

Paid



Update Order

- **Add New Order**

 **Anugerah Bakery**

[Cakes](#) [Customers](#) [Orders](#) [Reviews](#)

Add New Order

Select Customer

Select Customer



Order Date

dd/mm/yyyy



Payment Status


Pending




Add Order

Back to Order List

● Cake Reviews

 Anugerah Bakery

CakesCustomersOrdersReviews

 Cake Reviews

ID	Customer	Cake	Rating	Comment	Date	Actions
112	Alice Smith	Red Velvet	5	Delicious cake! Highly recommend.	2025-04-21	<div>EditDelete</div>
113	Bob Johnson	Double Chocolate Fudge	4	Very rich and chocolatey.	2025-04-22	<div>EditDelete</div>
114	Alice Smith	Blueberry Bliss	3	A bit too sweet for my taste.	2025-04-22	<div>EditDelete</div>

Add New Review

Back to Home

● Edit Reviews

Edit Review

Customer

Alice Smith

▼

Cake

Red Velvet

▼

Rating

5

Comment


Delicious cake! Highly recommend.

Date

21/04/2025

Update Review

- **Add Review**

 **Anugerah Bakery**

Cakes Customers Orders Reviews

★ Add Review

Customer

Select Customer

Cake

Select Cake

Rating (1-5)

Comment

Date

dd/mm/yyyy

Submit Review

Back to Review List

8. Conclusion

The Cake Ordering System web application demonstrates a full server-side implementation of CRUD features across a multi-table database. It helps small-scale businesses manage their operations digitally, improving efficiency and reducing human error. The project reflects a sound understanding of relational database principles and PHP programming, fulfilling all requirements set by the SSIP course.

