FACULTY OF COMPUTING
RIPHAH INTERNATIONAL UNIVERSITY

PROJECT NAME : CAKE MASTER MANAGEMENT SYSTEM

Data Structures and Algorithm

- Project Team -

Name	Sap ID	Program	Email Address
Affifa Amna	55466	SE-3	55466@students.riphah.edu.pk
Simaab Malik	54910	SE-3	54910@students.riphah.edu.pk
Anoosha Perwaiz Awan	56200	SE-3	56200@students.riphah.edu.pk

Supervisor : Ma'am Seemab

Co-supervisor : Ma'am Rehana

Date : 06 / 11 / 2024

Introduction of the Project

Project Title :

Cake Master Management System

Introduction :

Welcome to Cake-Master — where technology meets the art of baking!. Cake Master is a system designed to ease cake ordering, customization, and management. Customers can browse a catalog, place orders, and manage delivery, while admins handle customer accounts, catalog updates, orders, and sales reports. It simplifies complex ordering and management processes, minimizing errors and increasing customer satisfaction.

Problem Statement :

Customers often face challenges in ordering customized cakes due to limited options and manual order processing, leading to slow and sometimes inaccurate service. Similarly, managing multiple orders, sales tracking, and maintaining customer records can be challenging without an automated system. The project addresses these issues by providing a digital solution that is user-friendly and efficient.

Proposed Solution :

Cake Master provides a digital platform where customers can customize, pay and place orders with ease. The admin interface allows efficient catalog management, customer data handling, sales tracking, and order management. This system streamlines the entire process from order to delivery, enhancing both customer and admin experiences.

Scope of the Project :

The project includes developing a web-based system with two primary user roles: Customer and Admin. The Customer role focuses on a seamless browsing and ordering experience, while the Admin role includes managing orders, tracking sales, and updating the cake catalog. This system can be expanded with additional features in the future.

Modules :

1. Customer :

- Customer Profile
- Cake Catalog Browsing
- Place order
- Order Tracking
- Delivery Tracking
- Payment Options
- Feedback and Ratings

2. Admin :
- Admin Profile
- Customer Access
- Catalog Management
- Order management
- Financial Reporting
- Discount Control
- Delivery Control

Modules Description :

1. Customer :

➢ **Customer Profile**:

- Sign up
- Log in

➢ **Cake Catalog Browsing**:

- View cakes
- See descriptions, sizes, and prices

➢ **Place Order**:

- Select cakes
- Customize options
- Place orders

➢ **Order Tracking**:

- View order status
- Update or cancel orders before finalizing

➢ **Delivery Tracking**:

- Enter address
- Set delivery time, date, and day preferences

- ➢ **Payment Options**:

  - Choose EasyPaisa
  - Select cash on delivery

- ➢ **Feedback and Ratings**:

  - Submit reviews
  - Rate products and delivery

2. Admin :

- ➢ **Admin Profile**:

  - Sign up
  - Log in

- ➢ **Customer Access**:

  - View customer accounts
  - Update or delete customer profiles

- ➢ **Catalog Management** :

  - Add new cakes
  - Update cake details
  - Remove cakes from catalog

- ➢ **Order Management** :

  - Track orders
  - Update order status
  - Cancel orders if needed

- ➢ **Financial Reporting**:

  - Generate sales reports
  - Update or cancel orders before finalizing

- ➢ **Discount Control** :

  - Create discounts for cakes and pastries
  - Update discount terms

- ➢ **Delivery Control** :

  - Set delivery range
  - Update delivery options