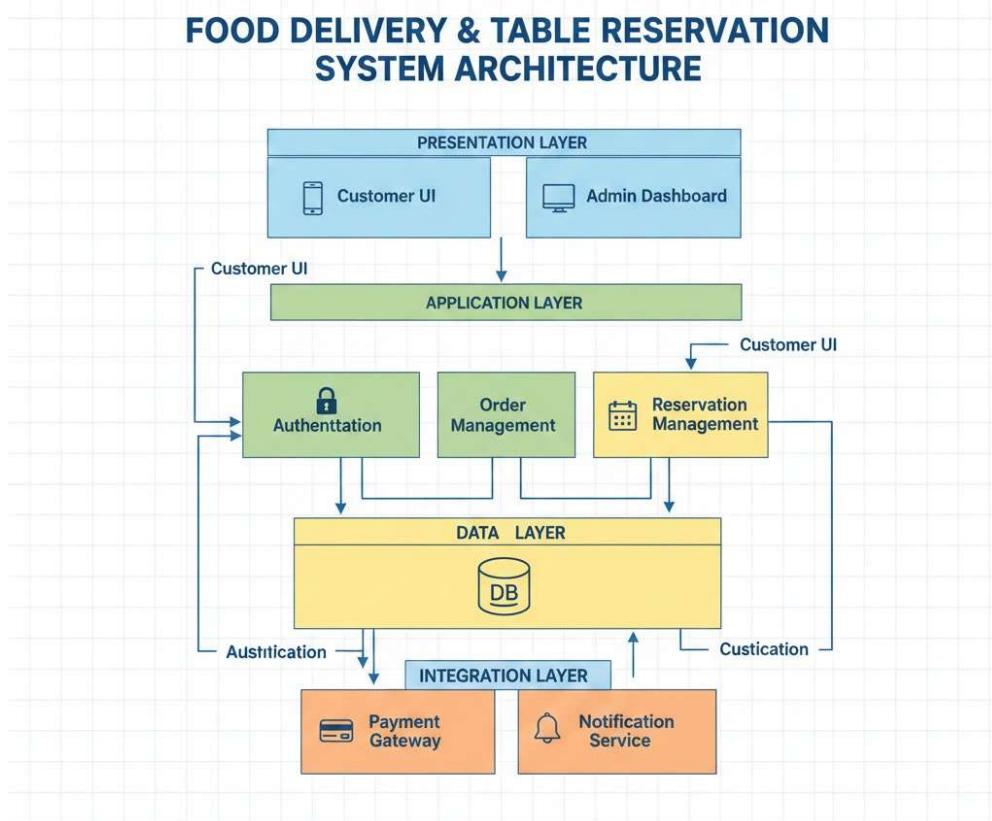


Software Design Document (SDD) – Sample

1. Introduction

This document provides the design architecture of the software system.

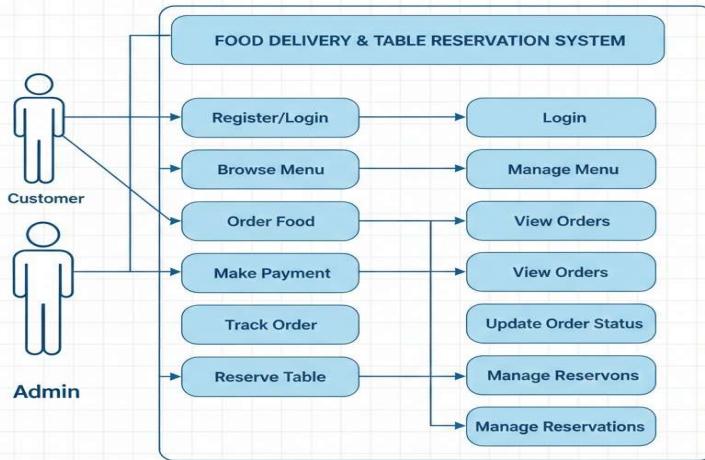
2. System Architecture



The system follows a layered architecture consisting of a presentation layer for user interaction, an application layer for business logic, a data layer for storage, and an integration layer for payment and notification services. This architecture ensures scalability, security, and maintainability.

3. Detailed Design

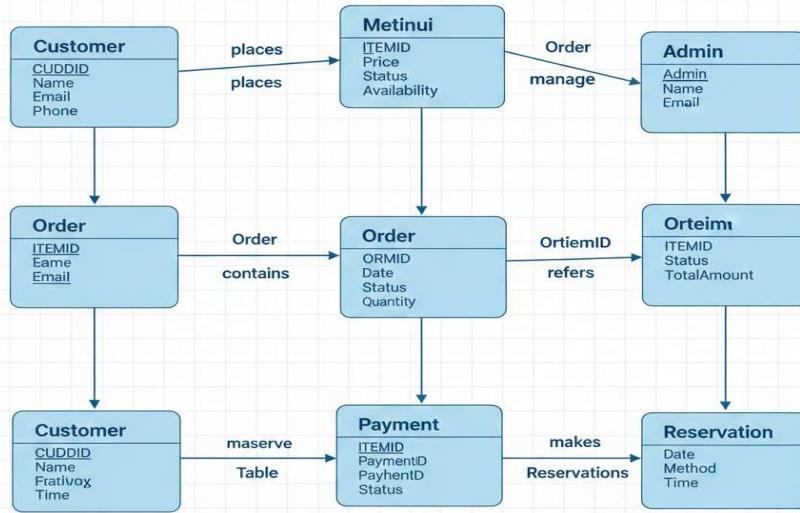
**FOOD DELIVERY & TABLE RESERVATION
USE CASE DIAGRAM**



The use case diagram represents interactions between users and the system. Customers can browse menus, place orders, make payments, track orders, and reserve tables. Admins manage menus, view orders, update order statuses, and manage reservations.

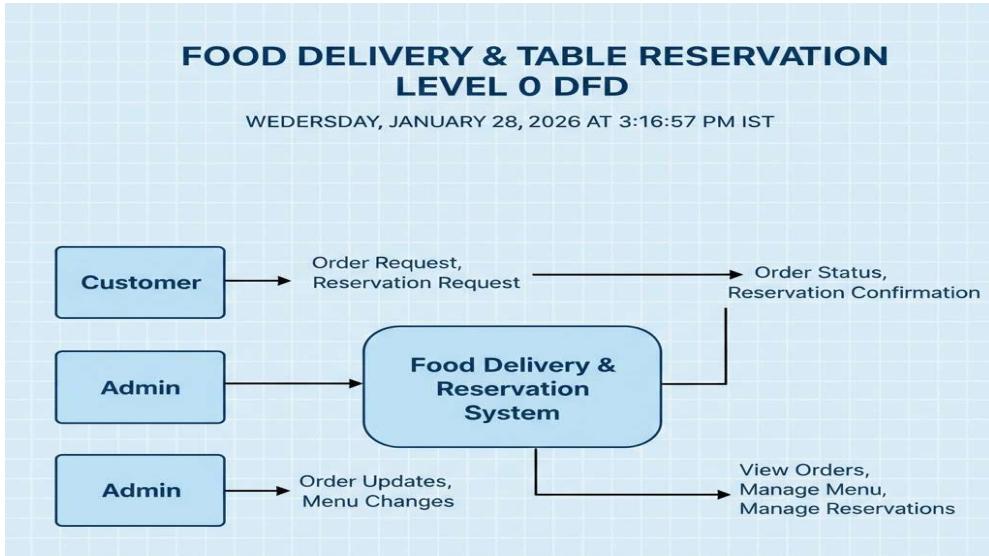
4. Database Design

**FOOD DELIVERY & TABLE RESERVATION
ER DIAGRAM**



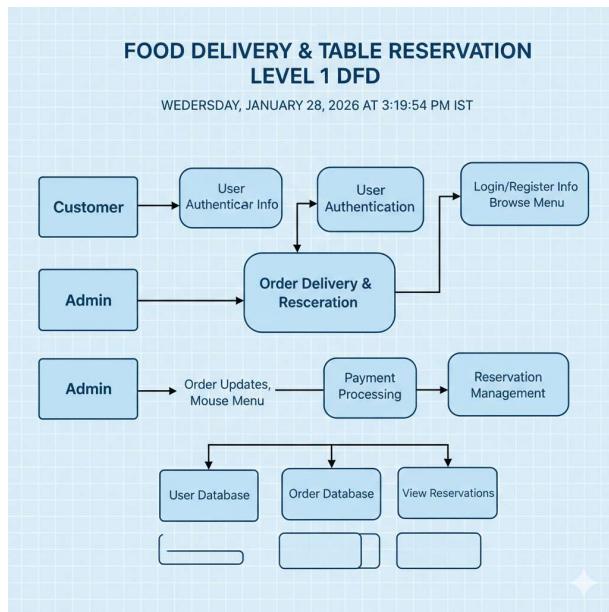
The ER diagram illustrates the database structure and relationships among entities such as Customer, Order, MenuItem, Payment, and Reservation. It ensures proper data organization and integrity.

4. DATA FLOW DIAGRAM (DFD - LEVEL 0)



The Level 1 DFD decomposes the system into sub-processes such as order processing, payment handling, and reservation management.

5. Design Constraints



This workflow diagram shows the step-by-step flow of food ordering from login to order delivery and status updates.