

# Food Delivery App Architecture

## 1. Users

- **Customer** – Orders food
- **Delivery Person** – Delivers food
- **Restaurant Owner** – Manages food menu
- **Admin** – Manages the whole system

## 2. Frontend (User Interfaces)

- **Customer App/Web**
  - Register/Login
  - Browse restaurants and menu
  - Place order & track status
- **Delivery App**
  - Login
  - See assigned orders
  - Mark order as delivered
- **Restaurant Dashboard**
  - Add/Edit food items
  - Accept orders
- **Admin Panel**
  - Manage users, orders, and restaurants

## 3. Backend (Server)

Handles all logic and communication between frontend and database:

- **Authentication (Login/Register)**
- **Order Management**
- **Menu Management**
- **Delivery Assignment**
- **Payment Handling**
- **Notifications (optional)**

#### **4. Database**

Stores all the data:

- Users (Customers, Delivery, Restaurants)
- Food Items
- Orders
- Payments
- Delivery Status

#### **5. Example Data Flow**

**Customer places an order → Backend saves order → Restaurant accepts → Delivery person assigned → Order delivered**