

Project Title: Food Delivery Mobile Application

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Classes: DSI31

1. Context of project

This project involves the development of a food delivery mobile application, The app will enable users to browse restaurants, order food, and track deliveries. Restaurants will manage their menus, and delivery personnel will track orders and update delivery status.

2. Functional Requirements

User Roles:

1. **Customer**
 - Browse restaurants and menus.
 - Place orders and track delivery status.
 - Manage personal information and order history.
2. **Restaurant Owner**
 - Manage restaurant profile.
 - Add, modify, and remove menu items.
 - Process incoming orders.
3. **Delivery Personnel**
 - View delivery assignments.
 - Track and update delivery status in real-time.
4. **Administrator**
 - Manage and monitor all platform activities.
 - Oversee restaurant listings, users, and deliveries.
 - Handle complaints and ensure platform security.

3. Technical Specifications

Languages & Frameworks:

- **Front-end (Mobile):** Flutter (Dart)
- **Back-end:** Node.js with Express.js
- **Database:** MySQL for data storage
- **Authentication:** JWT for secure authentication and authorization