

Weekly Progress Report

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Domain: Full Stack Development

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Week Ending: 2

I. Overview

The second week of the Online Food Delivery project focused on building the core functionalities of the platform, enabling restaurants to list their menus and customers to place orders seamlessly. Significant progress was made in developing the foundational components, ensuring a smooth user experience.

II. Achievements

1. User Authentication Module

- Implemented secure user authentication for customers and restaurants.
- Integrated email verification and password hashing.

2. Restaurant Profile and Menu Listing

- Developed restaurant profile creation with menu listing and customization options.
- Categorized menu items for easy customer browsing.

3. Customer Module

- Set up customer features for browsing restaurants, menus, and placing orders.
- Integrated basic search functionality.

4. Order Processing and Payment Gateway

- Designed the order processing system with secure payment gateway integration.
- Researched PCI compliance and secure payment handling.

5. Database Design

- Completed database schema design for managing users, restaurants, menus, orders, and reviews.

III. Challenges

1. Payment Gateway Integration

- Faced challenges in selecting and integrating a payment gateway provider.
- Ensuring security, ease of use, and merchant accessibility.

2. Real-time Menu Updates

- Encountered difficulties in implementing real-time menu updates.
- Requires further adjustments to database design and feature implementation.

3. Multi-Tenant Architecture

- Managed complexities in handling multiple restaurants and customers.

IV. Learning Resources

1. Full Stack Development Resources

- Explored secure payment gateway integration tutorials.

2. Online Food Delivery Solutions

- Researched existing solutions for online food delivery platforms.

V. Next Week's Goals

1. Payment Gateway Integration

- Finalize payment gateway integration and test checkout flow.

2. Restaurant Dashboard Development

- Build restaurant dashboard for order management and account details.
- Implement customer review and rating feature.

3. Real-time Order Tracking

- Design and implement real-time order tracking for customers.

This week's focus laid the groundwork for the platform's core functionality, paving the way for advanced features and secure payment handling in the coming weeks.