

Weekly Progress Report

Name: Kaushal Mohan Kumbhar

Domain: Full Stack Development

Date of Submission: 04-11-2024

Week Ending: 03

I. Overview:

During Week 3, the focus was on enhancing the online food delivery platform with key features such as payment gateway integration, restaurant dashboard development, and initial stages of order scheduling. Significant progress was made in enabling customers to complete purchases through a secure checkout process and allowing restaurants to manage their menus and orders.

II. Achievements:

1. Payment Gateway Integration:

- Successfully integrated Stripe payment gateway for secure transactions.
- Tested end-to-end payment and checkout process using sample data.

2. Restaurant Dashboard:

- Completed restaurant dashboard development for order management.
- Restaurants can now track orders, update menu items, and manage customer interactions.

3. Review and Rating System:

- Implemented customer review and rating feature for restaurants.
- Reviews are publicly visible on restaurant profile pages.

4. Order Scheduling (Initial Implementation):

- Designed and implemented basic order scheduling framework.
- Customers can now view restaurant availability and place orders.

5. Enhanced User Experience:

- Improved customer browsing experience with refined search functionality.
- Optimized website performance for faster load times.

III. Challenges:

1. Complexity in Order Scheduling:

- Handling edge cases in order scheduling posed challenges.
- Further testing required for robustness.

2. Managing Restaurant Data:

- Optimizing database for large amounts of restaurant and customer data.
- Additional work required for future platform expansion.

3. Security Enhancements:

- Focusing on overall platform security, particularly data encryption and fraud prevention.

IV. Learning Resources:

1. Payment Gateway Documentation:

- Studied Stripe API documentation for proper integration.

2. Scheduling Algorithms:

- Researched scheduling algorithms for efficiency and reliability.

3. Database Optimization:

- Reviewed strategies for optimizing database performance.

V. Next Week's Goals:

1. Refinement of Order Scheduling System:

- Improve order scheduling feature with edge case handling and real-time syncing.

2. Security Enhancements:

- Implement two-factor authentication and data encryption.
- Develop fraud prevention strategies.

3. Customer Account and Order History:

- Build customer account pages for order history and management.

4. Admin Tools and Platform Management:

- Develop admin tools for user management and dispute resolution.

Week 3 successfully delivered key features for the online food delivery platform. Next week's focus will be on refining these systems and enhancing platform security and administrative capabilities