

Software Requirements Specification

Author: Varshini Sri

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Objective and Scope

To develop a web-based Food Delivery System that allows users to register, browse food items, place orders, make secure payments, and track order history. Admins can manage users, food items, and view orders.

The scope of the product includes the following basic features:

User: Can register, login, browse food, add to cart, place orders, and pay.

Admin: Can manage food items, view all orders, send notifications, and manage users.

Integration with payment gateway (Stripe).

Accessible via modern web browsers.

Project End Users

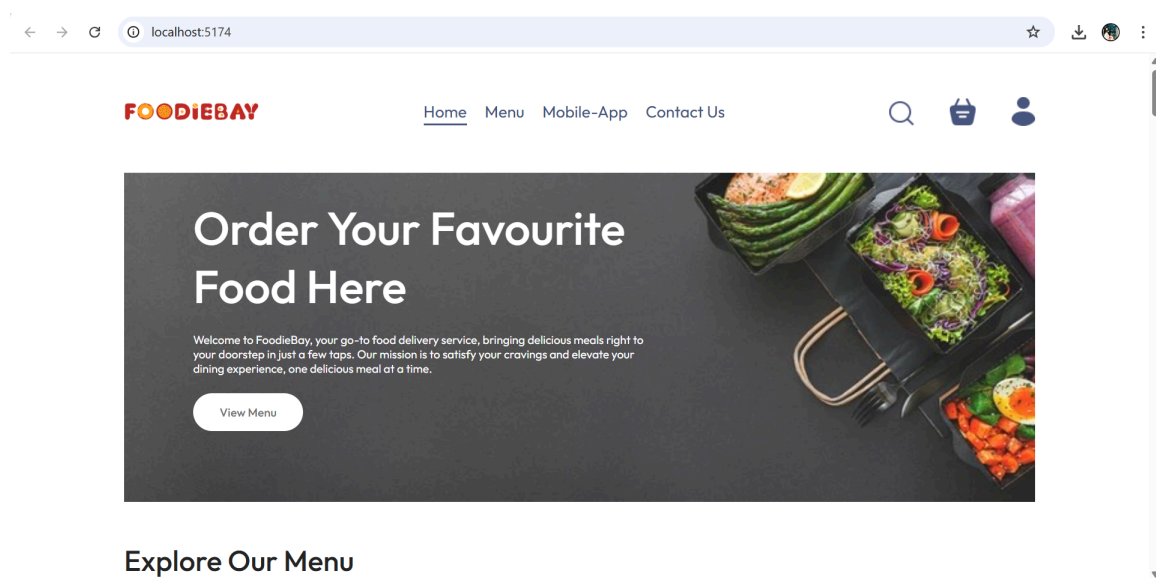
User: Registers and places food orders.

Admin: Manages food items and users, tracks orders.

Features

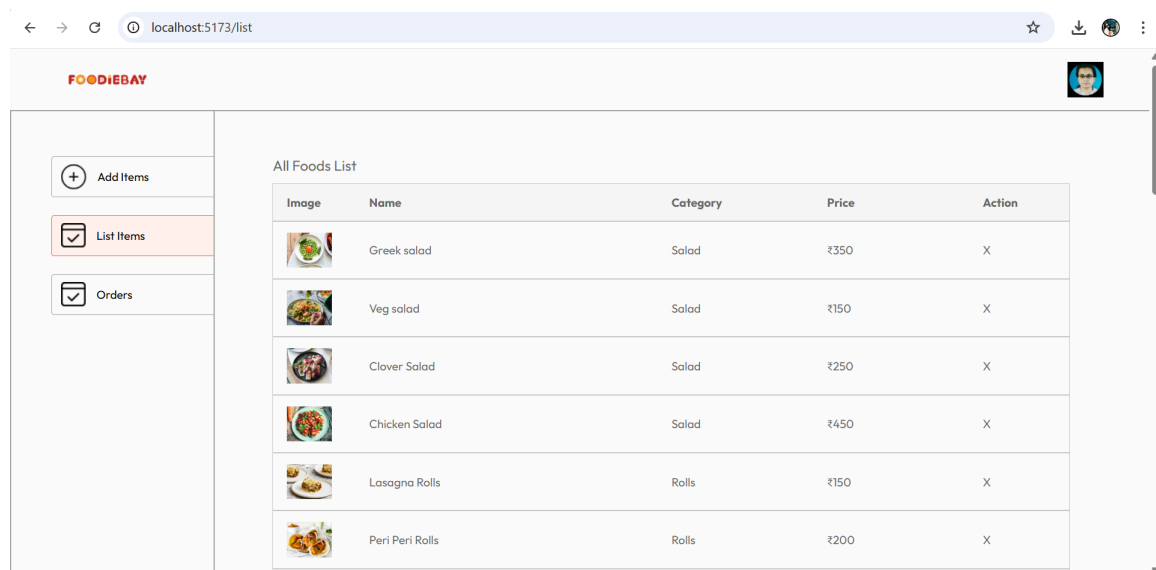
User Features

- Register & Login
- Browse/View food items
- Add to Cart
- Place Order
- Make Payment (via Stripe)
- View Order History



Admin Features

- Admin Login
- Manage Food Items (Add, Update, Delete)
- Manage Users
- View All Orders
- Send Notifications



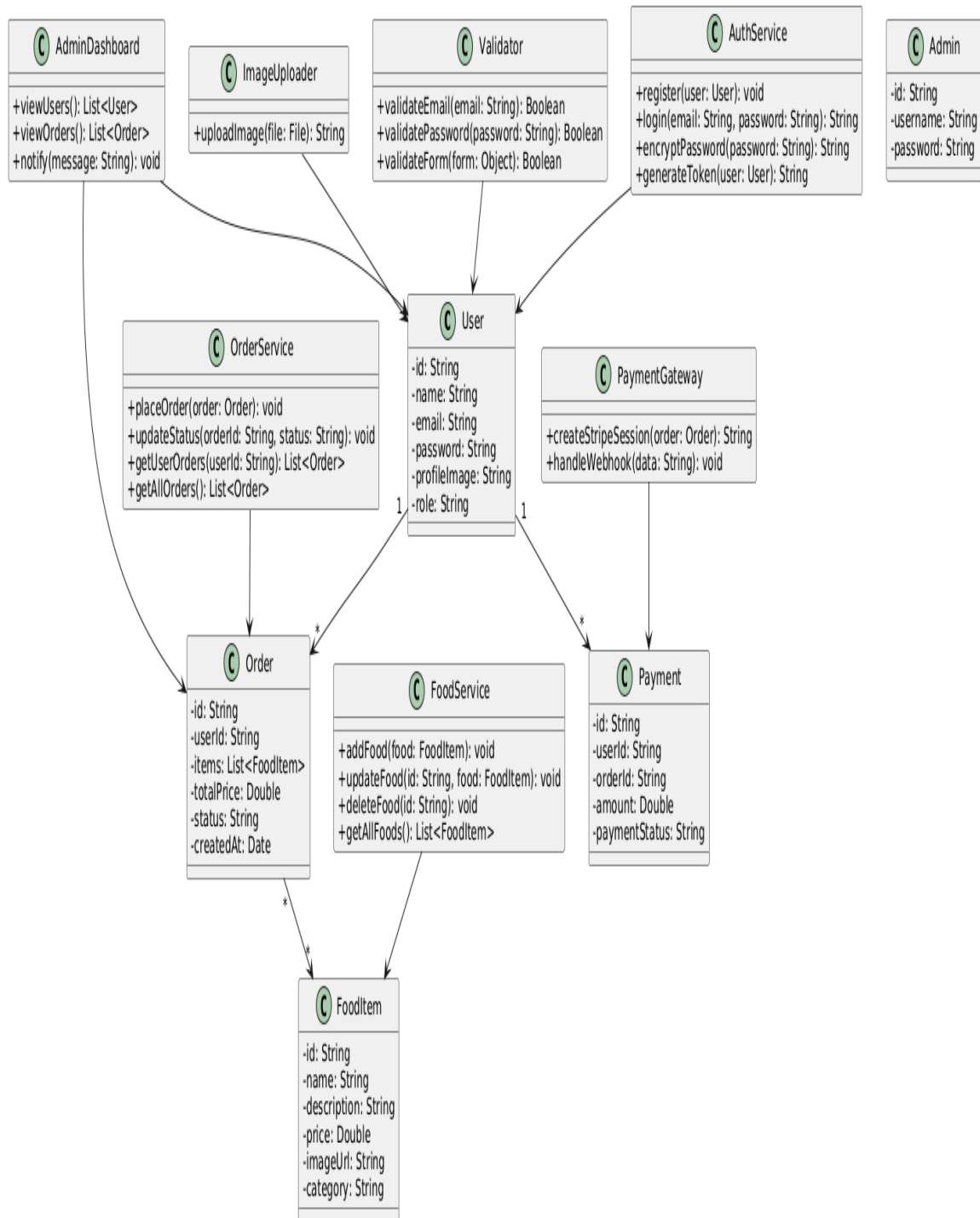
Functional Requirements

- System must allow users to register with email & password
- System must validate user credentials on login
- Users can view a list of food items with details
- Users can add selected food items to a cart
- Users can place orders with delivery details
- Orders trigger a Stripe payment session
- Orders are saved only after successful payment
- Admin can login using secure credentials
- Admin can manage the food items (CRUD)
- Admin can view all user orders
- Admin can send system notifications

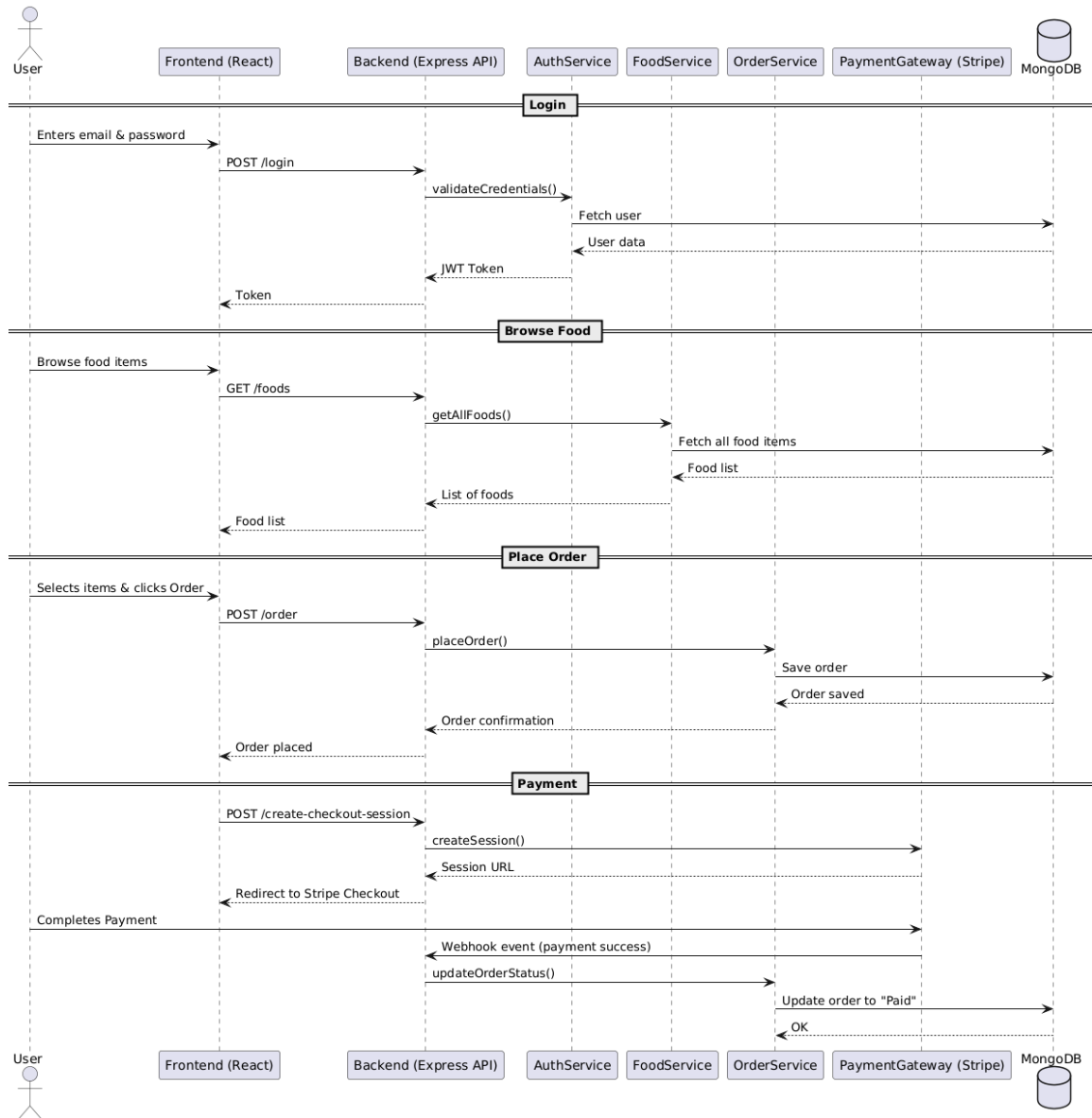
Non Functional Requirements

- System must be accessible via all modern browsers
- All passwords and sensitive data must be encrypted
- System should respond within 3 seconds for most actions
- Support minimum 100 concurrent users
- Payment integration must follow PCI DSS compliance
- Application must be mobile responsive

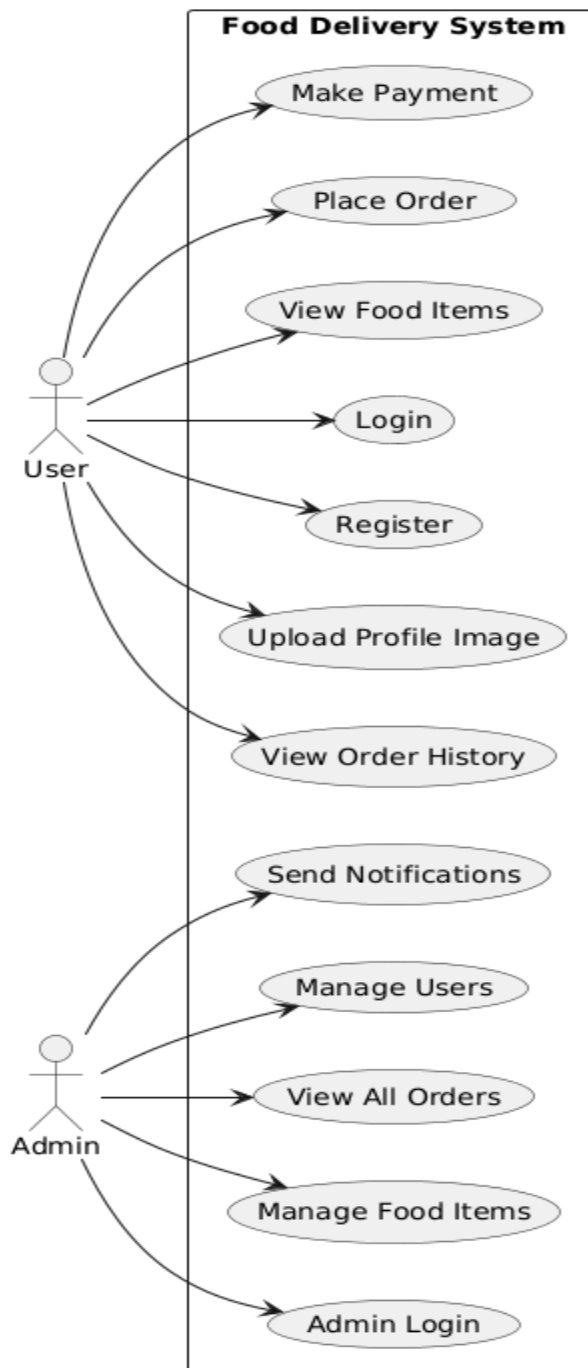
Class Diagram



Sequence Diagram



Use Case Diagram



Activity Diagram

