# Functional Requirement

3.1 User Management

3.1.1 Register

- Description: New users create an account in QuickEats.

- Input: Name, mobile number, email address, password.

- Output: Account stored in the system database; user receives confirmation email or SMS.

3.1.2 Login

- Description: Registered users sign in with their credentials.

- Input: Email address and password.

- Output: Successful login redirects the user to their personal homepage.

3.1.3 Edit Personal Information

- Description: Logged-in users can update their profile.

- Input: Login status and updated personal details.

- Output: Updated profile saved in the database.

3.1.4 View Order History

- Description: Users view their past orders.

- Input: Login status.

- Output: List of orders with full details.

3.1.5 Rate Restaurant or Dish

- Description: Users post reviews for completed orders.

- Input: Login status, selected order, rating, comment.

- Output: Review stored in the database; ratings of the restaurant or dish are updated.

3.1.6 View Restaurant Information

- Description: Users browse detailed restaurant pages.

- Input: User navigation action.

- Output: Restaurant details including address, rating, and opening hours.

3.2 Restaurant Administration

3.2.1 Add Dish

- Description: Restaurant admins add new dishes for ordering.

- Input: Admin login, dish details (name, price, image, description).

- Output: New dish stored and displayed on the restaurant menu.

3.2.2 Update Dish

- Description: Restaurant admins modify existing dishes.

- Input: Admin login, updated dish details.

- Output: Updated dish saved and menu refreshed.

3.2.3 Delete Dish

- Description: Restaurant admins remove dishes.

- Input: Admin login, selected dish.

- Output: Dish data removed from the database.

3.2.4 View Orders

- Description: Restaurant admins view all restaurant-related orders.

- Input: Admin login.

- Output: List of orders with full details.

3.2.5 Process Order

- Description: Restaurant admins confirm or reject orders.

- Input: Admin login, order accept/reject action.

- Output: Order status updated in the database; user notified of the outcome.

3.3 Shopping-Cart Operations

3.3.1 Add Dish to Cart

- Description: Users add dishes to the cart before checkout.

- Input: User login, dish selection.

- Output: Dish stored in the shopping-cart table.

3.3.2 Remove Dish from Cart

- Description: Users remove dishes from the cart.

- Input: User login, selected dish.

- Output: Corresponding record deleted from the shopping-cart table.

3.3.3 Create Order from Cart

- Description: Users place orders from the cart.

- Input: Delivery address, payment method, cart state.

- Output: New order record created; payment flow initiated.

3.4 Order Management

3.4.1 Cancel Order

- Description: Users cancel unpaid orders.

- Input: User login, order to cancel.

- Output: Order status set to “Cancelled”; cart state restored.

3.4.2 Pay Order

- Description: Users pay for existing orders.

- Input: User login, payment method, order details.

- Output: Payment processed; order status set to “Paid”; payment record updated.

3.4.3 Set Default Payment Method

- Description: Users set a default payment method.

- Input: User login, payment details.

- Output: Default payment method saved in the database.

3.4.4 View Payment History

- Description: Users review their payment history.

- Input: User login.

- Output: List of payment records with full details.

3.5 Review Management

3.5.1 Post Review

- Description: Users publish reviews for restaurants or dishes.

- Input: User login and order details to review.

- Output: Review saved; restaurant or dish ratings updated.

3.5.2 Manage Reviews

- Description: Backend admins moderate all reviews, deleting any inappropriate or malicious content.

- Input: Admin login, review to manage.

- Output: Updated review list with adjusted ratings and visibility.

3.6 System Administration

3.6.1 View All Orders

- Description: System administrators view order records across the platform.

- Input: Admin login.

- Output: Display of all orders with full details.

3.6.2 Add Administrator

- Description: Super admins create new administrator accounts.

- Input: Super-admin login, new admin details.

- Output: New admin account stored with assigned permissions.

3.6.3 Manage Administrators

- Description: Super admins edit existing admin accounts or delete inactive ones.

- Input: Super-admin login, admin account details to edit or delete.

- Output: Updated or removed admin account with corresponding database and system status changes.