

Restaurant Application Requirements

This document outlines the key requirements for developing a robust restaurant application using PHP. The system will include user management, menu management, order processing, payment integration, table reservation, inventory management, reporting, notifications, and invoice generation. Below is a detailed breakdown of the requirements.

1. User Management

User Roles:

- Staff
- Customer

Authentication:

- User registration and login
- Password recovery
- Role-based access control (Staff or Customer)

Profile Management:

- Update personal information
 - Change password
 - Upload profile picture
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2. Menu Management (for Staff only)

Categories:

- Add, edit, delete categories (e.g., Appetizers, Main Course, Desserts)

Menu Items:

- Add, edit, delete menu items
- Upload item images

- Set price, description, and availability

Special Offers:

- Create and manage special offers and discounts
 - Set expiry dates for offers
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3. Order Management (for Customers only)

Order Placement:

- Customers can place orders via a web interface
- Option to customize orders (e.g., extra cheese, no onions)

Order Tracking:

- Order status updates (e.g., Pending, Preparing, Ready, Delivered)
- Notifications to customers and staff

Order History:

- View past orders
 - Reorder functionality
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4. Table Reservation

Reservation Management:

- Customers can book tables online
- Select date, time, and number of guests
- View available tables

Reservation Confirmation:

- Send confirmation emails/SMS
 - Allow customers to modify or cancel reservations
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5. Payment Integration

Payment Methods:

- Credit/Debit Card
- Cash on Delivery

Payment Gateway:

- Secure payment processing

Invoice Generation: (optional but preferred)

- Generate and send invoices to customers
 - Option to download invoices
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6. Inventory Management (for Staff only)

Stock Tracking:

- Track inventory levels

Supplier Management:

- Add, edit, delete supplier information
 - Track supplier orders
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7. Reporting and Analytics (for Staff only)

Sales Reports:

- Daily, weekly, monthly sales reports

8. Notifications and Alerts

Order Notifications:

- Notify staff when a new order is placed
 - Notify customers when their order is ready
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UI Implementation

9. Staff Dashboard

Overview:

- Display key metrics (e.g., total sales, active orders, reservations)

Manage Users:

- Add, edit, delete users
- Assign roles and permissions

Manage Menu:

- Add, edit, delete menu items and categories

Manage Orders:

- View and manage all orders
- Update order status

Manage Reservations:

- View and manage all reservations
- Confirm, modify, or cancel reservations

10. Customer Interface

Menu Browsing:

- Browse menu by categories
- Search for specific items

Order Placement:

- Add items to cart
- Customize orders
- Place orders with payment options

Reservation Booking:

- Book a table
- View and manage reservations

Order Tracking:

- Track order status

Feedback and Reviews:

- Submit feedback and reviews for orders