**Client-End Application:**

1. Restaurant Information Display:
   * Animated video introduction
   * Announcements and news
   * Location and contact hotline display
   * Posters, promotional images, environment photos, menu item photos, seating layout
2. Table Reservation:
   * Real-time table booking: Select table, provide reservation information, pay deposit
3. Queue Management:
   * Waiting list management when all tables are occupied
4. Service Call:
   * Call waiter for service directly from the app
5. Table Opening:
   * Customers can scan a QR code to open their table automatically
6. Order Management:
   * Self-service ordering for food and beverages
7. Payment:
   * Pay immediately after placing an order or pay later
   * Payment methods: Credit card, member balance, coupons
   * Merge orders from the same table for a single payment
8. Membership Center:
   * One-click registration by scanning QR code
   * Display of member balance, bonus credits, bonus points
   * Membership recharge options: Standard recharge, package recharge
   * Membership levels with discount rates
9. Coupons and Vouchers:
   * Product coupons, discount vouchers
   * Integration with third-party platforms for voucher redemption
10. Takeaway Service:

* Place takeaway orders with delivery

1. Points Shop:

* Redeem points for products, discounts, or third-party products

**Waiter-End Application (Mobile/Tablet):**

1. Real-Time Table Status:
   * Display of table occupancy status: Free, Reserved, In Use, Waiting for Payment
   * Information display: Reservation details, order history, consumption amount, payment status
2. Reservation Management:
   * Manual reservation and reservation status inquiry
3. Table Operations: (Client 5)
   * Open table, transfer table, clear table
4. Order Management: (Client 6)
   * Place orders on behalf of customers
5. Payment Processing: (Client 7)
   * Credit card, member balance, coupons
   * Member management:
   * Recharge member accounts on behalf of customers
6. Performance Reports:
   * Sales and service performance rankings
   * Order and revenue summary reports

**Manager-End System (PC):**

1. Restaurant Management:
   * Display restaurant information: Location, contact details, images, promotional material
   * Special function settings and controls
2. Staff Permissions Management:
   * Set permissions by department and role
   * Access control for reservations, order management, and reports
3. Table Management:
   * Configure table layout and zones (or amount)
4. Inventory Management:
   * Warehouse and stock management
   * Inventory cost analysis and balance sheets
5. Product Management:
   * Add and categorize menu items
   * Set pricing, discounts, and availability
6. Order Management:
   * Track reservations, orders, and payment status
7. Reports and Analysis:
   * Sales reports, revenue analysis
8. Member Management:
   * View and manage member data, balance, and transaction history
9. Payment and Finance Management:
   * Track different payment methods and order revenue