**1. Home Screen (Customer App)**

* **Top Section**:
  + Search bar to find restaurants by name, location, or cuisine.
  + Filter options (e.g., "Open Now," "Low Crowd," "Nearby").
* **Middle Section**:
  + List of restaurants with:
    - Restaurant name.
    - Distance from the user.
    - Real-time crowd status (e.g., "Moderate Crowd," "20/50 seats occupied").
    - "Reserve Now" button.
* **Bottom Navigation Bar**:
  + Icons for Home, Reservations, Notifications, and Profile.

**2. Restaurant Details Screen (Customer App)**

* **Top Section**:
  + Restaurant banner image.
  + Name, rating, and cuisine type.
* **Middle Section**:
  + Real-time crowd status (e.g., "25/50 seats occupied").
  + "Reserve a Table" button.
  + Menu preview (optional).
  + Customer reviews and ratings.
* **Bottom Section**:
  + Call-to-action buttons: "Call Restaurant," "Get Directions," "Share."

**3. Reservation Screen (Customer App)**

* **Top Section**:
  + Restaurant name and image.
* **Middle Section**:
  + Date picker for selecting a reservation date.
  + Time slot selection (e.g., "7:00 PM," "7:30 PM").
  + Number of guests selector.
  + Special requests text box.
* **Bottom Section**:
  + "Confirm Reservation" button.

**4. Restaurant Owner Dashboard (Owner App)**

* **Top Section**:
  + Restaurant name and logo.
  + Current crowd status (e.g., "30/50 seats occupied").
* **Middle Section**:
  + Quick actions: "Update Crowd Status," "View Reservations," "Manage Waitlist."
  + Live updates: Number of reservations, walk-ins, and available seats.
* **Bottom Section**:
  + Navigation icons: Dashboard, Reservations, Analytics, Profile.

**5. Update Crowd Status Screen (Owner App)**

* **Top Section**:
  + Restaurant name and current status.
* **Middle Section**:
  + Slider or input field to update the number of occupied seats.
  + Toggle for "Open/Closed" status.
* **Bottom Section**:
  + "Save Changes" button.

**6. Reservations Management Screen (Owner App)**

* **Top Section**:
  + Tabs for "Upcoming Reservations," "Completed Reservations," and "Cancellations."
* **Middle Section**:
  + List of reservations with:
    - Customer name.
    - Reservation time and date.
    - Number of guests.
    - Status (e.g., "Confirmed," "Pending").
* **Bottom Section**:
  + "Add Reservation" button.

**7. Analytics Dashboard (Owner App)**

* **Top Section**:
  + Overview of key metrics (e.g., "Total Reservations Today," "Peak Hours").
* **Middle Section**:
  + Graphs and charts for:
    - Daily/weekly/monthly crowd trends.
    - Reservation vs. walk-in ratio.
    - Customer feedback and ratings.
* **Bottom Section**:
  + Export data option (e.g., CSV, PDF).

**8. User Profile Screen (Customer App)**

* **Top Section**:
  + User profile picture and name.
* **Middle Section**:
  + Personal details (e.g., email, phone number).
  + Booking history.
  + Saved restaurants.
* **Bottom Section**:
  + "Edit Profile" and "Logout" buttons.