



“ Pare

Quick Reservation

Streamlining Restaurant
Reservations Effortlessly

Project Introduction: Revolutionizing Restaurant Reservations

ENABLING STREAMLINED, USER-FRIENDLY DINING EXPERIENCES

Our app, Pare, offers a **fast, easy, and secure** solution for restaurant reservations, allowing users to avoid wait times and enhance their dining experiences effortlessly.



Purpose and Problem

Many restaurants still manage reservations and waiting lists manually through phone calls, which causes long waiting times, miscommunication, and operational inefficiency. Customers often face uncertainty about table availability and waiting duration, while restaurant staff struggle to manage reservations and walk-in guests simultaneously. In addition, the lack of information about nearby parking options creates delays and negatively affects the overall customer experience.

The aim of this project is to develop a mobile-based reservation and waiting list system that digitizes these processes. The system enables users to make reservations, receive real-time updates, and optionally get guidance for nearby parking. By providing a more organized, transparent, and user-friendly solution, the project aims to improve customer satisfaction and reduce the workload of restaurant staff.

Legal Feasibility

LEGAL FEASIBILITY & COMPLIANCE INFRASTRUCTURE

The proposed restaurant management system is designed as a secure, data-sensitive platform that strictly adheres to both Turkish legislation and international legal standards. To ensure robust privacy and security, the infrastructure complies with the Law on the Protection of Personal Data (KVKK) and GDPR principles, requiring explicit consent for all data processing. Financial operations, including deposits, are managed through licensed infrastructures in accordance with Banking Regulation and Supervision Agency (BDDK) regulations and Payment Systems Law No. 6493. Furthermore, the platform operates as a service intermediary rather than an employer, enforcing clear liability frameworks, mandatory Terms of Use agreements, and opt-in communication protocols to protect user rights and ensure long-term operational sustainability.

Cultural Feasibility

The platform is designed to respect and protect the deep-rooted cultural ritual of dining in Türkiye, where restaurants serve as vital spaces for strengthening social bonds and building memories rather than just consuming food. By integrating modern digital solutions to eliminate modern stressors—such as parking uncertainty, reservation errors, and logistical disruptions—the system preserves the emotional value of the shared experience. Ultimately, the goal is not to replace the traditional act of dining but to enhance it, allowing families and friends to focus entirely on their time together while the technology seamlessly manages the background complexities.



5-year Feasibility Table

Year	Benefits	Discount Factor	PV Benefits	Development Cost	Operating Cost	PV Operating Cost	Net Present Value
0	0	1.0000	0	53,065,000	0	0	-53,065,000
1	5,000,000	0.9091	4,545,500	0	1,000,000	909,100	3,636,400
2	6,250,000	0.8264	5,165,000	0	1,070,000	884,248	4,280,752
3	7,500,000	0.7513	5,634,750	0	1,140,000	856,482	4,778,268
4	8,750,000	0.6830	5,976,250	0	1,210,000	826,430	5,149,820
5	10,000,000	0.6209	6,209,000	0	1,280,000	794,752	5,414,248

System Requirements

FUNCTIONAL REQUIREMENTS

- The system must allow users to view restaurants, check real-time table availability, and create reservations.
- Users log in with their phone number; a verification code sent to the device ensures secure authentication.
- If no table is available, the user is automatically added to the waiting list, and their position is updated in real time.
- Users can see their waiting list position, estimated waiting time, and receive notifications when their table is ready.
- The system provides table/time recommendations powered by AI.
- Restaurant staff must have access to a control panel to manage table statuses and reservations.
- The system must display parking and valet availability for users arriving by car.
- Users can view restaurants' social media posts directly within the application.
- During reservation creation, users can make a deposit (pre-payment), and the system sends confirmation once the transaction is successful.

TECHNICAL AND RESOURCE REQUIREMENTS

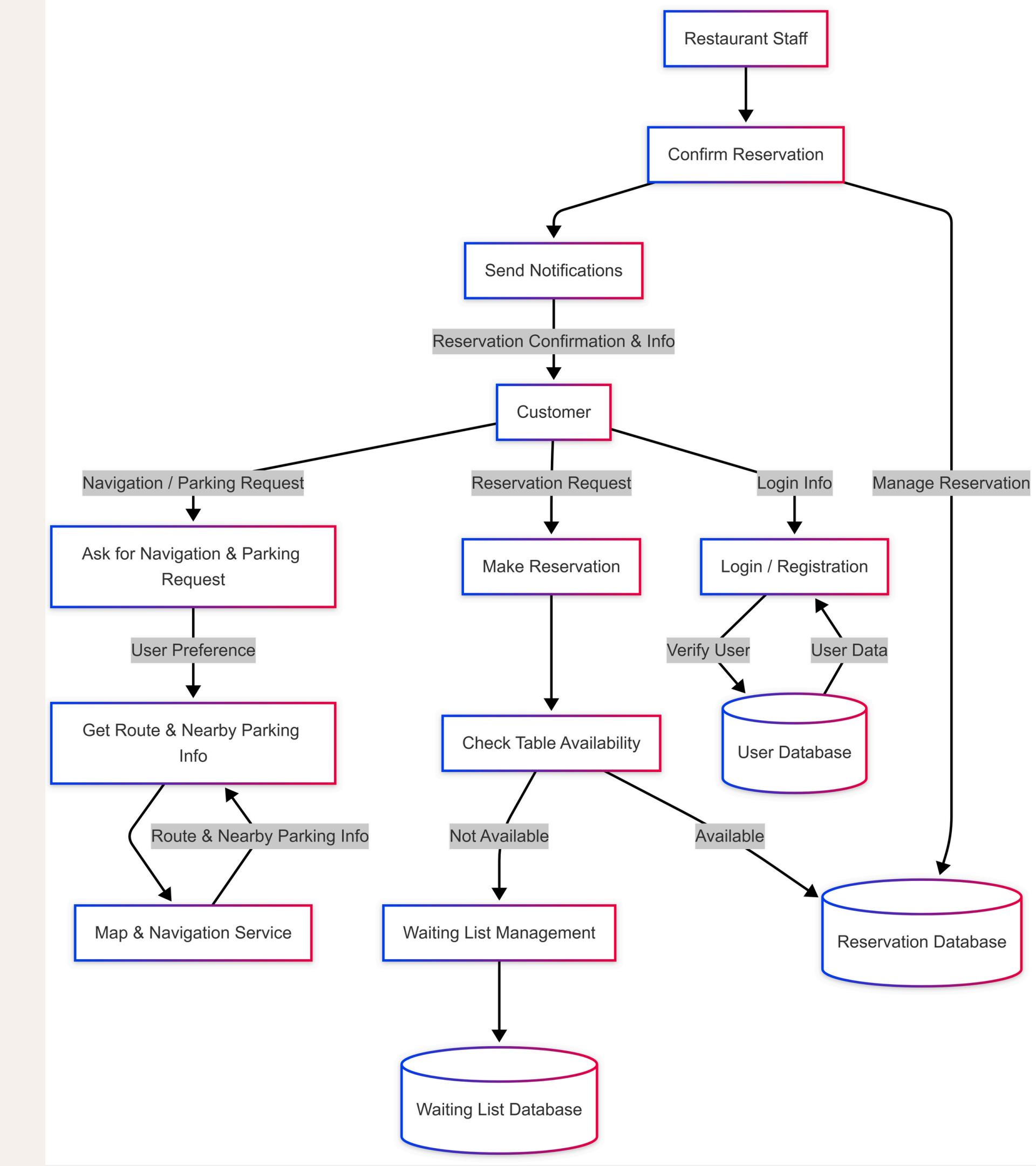
- Mobile application developer (iOS/Android)
- UX–UI designer
- Backend developer (API and AI integration)
- AI/ML specialist (for prediction and recommendation algorithms)
- Cloud-based server infrastructure (AWS, Google Cloud, Azure, etc.)
- 50–100 Mbps internet connection for restaurant dashboards
- LAN/Wi-Fi supported POS integration
- Tablets or computers for restaurant staff
- QR code reader (optional for table check-in)
- Database administrator (PostgreSQL / Firebase)

PHYSICAL REQUIREMENTS

- Tablets or computers placed in restaurants for reservation management
- Office or administrative workspace for system operations
- Secure cloud server access or dedicated server room
- Office desks, chairs, and stationery
- Optional signage or assistive displays for customers at restaurant entrances

Data Flowchart

This diagram illustrates the **movement of data** between the app's components, showcasing how user requests are processed and the flow of information to ensure seamless restaurant reservations.



User Interface Screens

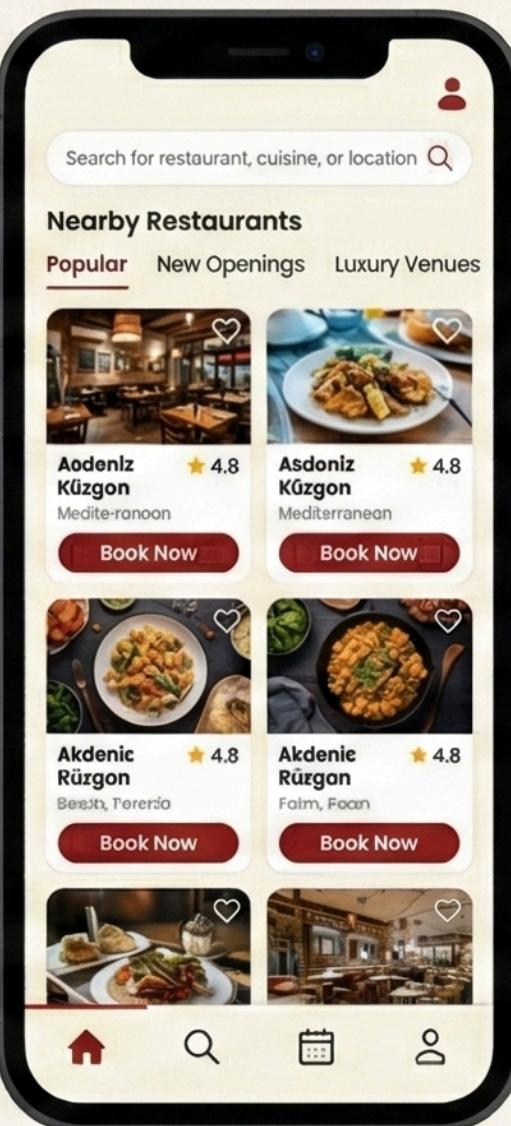
Login Screen



Register / Login Screen



Home



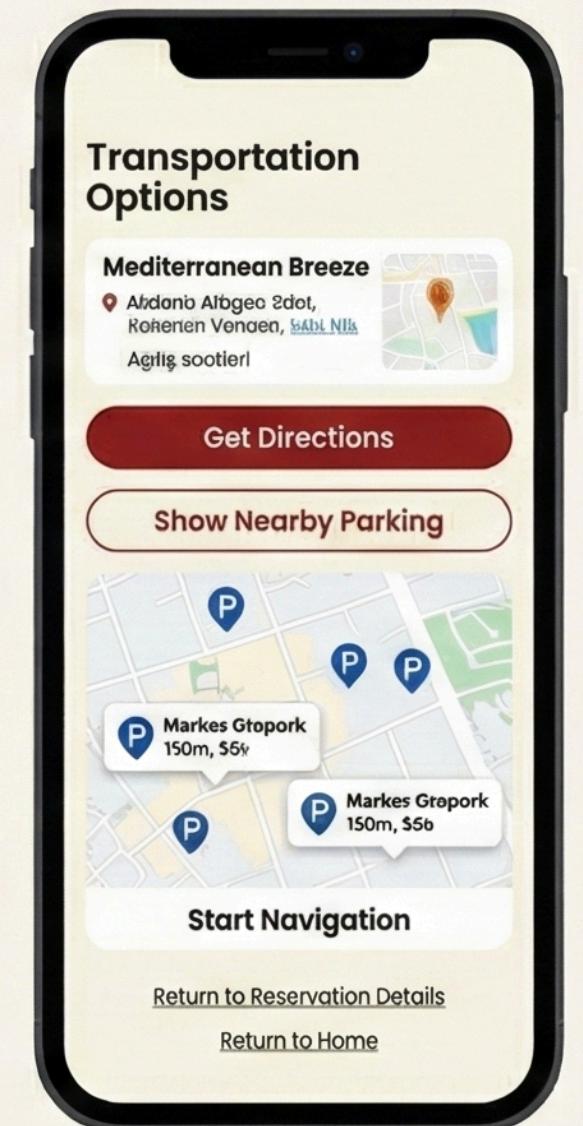
Restaurant Details



Reservation Confirmation



Directions & Parking Screen



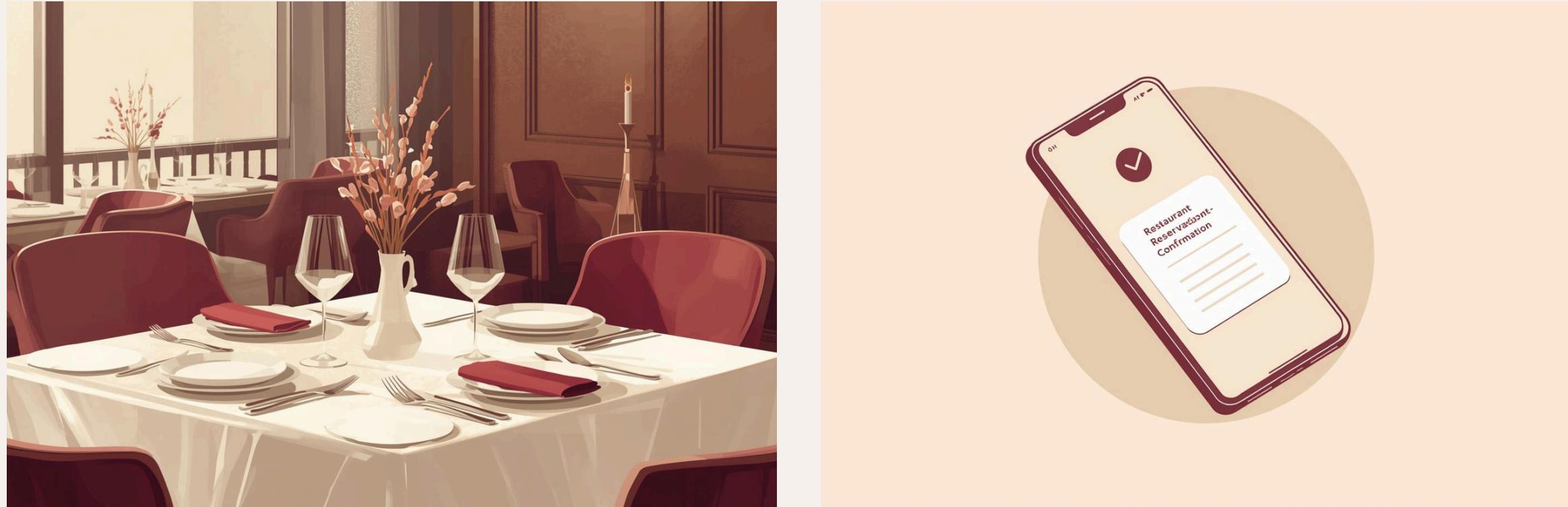
Restaurant Details & Confirmation



ELEGANT TABLE SETTING

Ambiance

An inviting dining atmosphere, ready for guests to enjoy.



MOBILE CONFIRMATION

User-Friendly

The simplicity of confirming reservations through the mobile app interface.



DINING EXPERIENCE

Satisfaction

Diners enjoying their meals, reflecting the app's successful reservations.

Pare | You enjoy the moment, we'll save the seat.



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