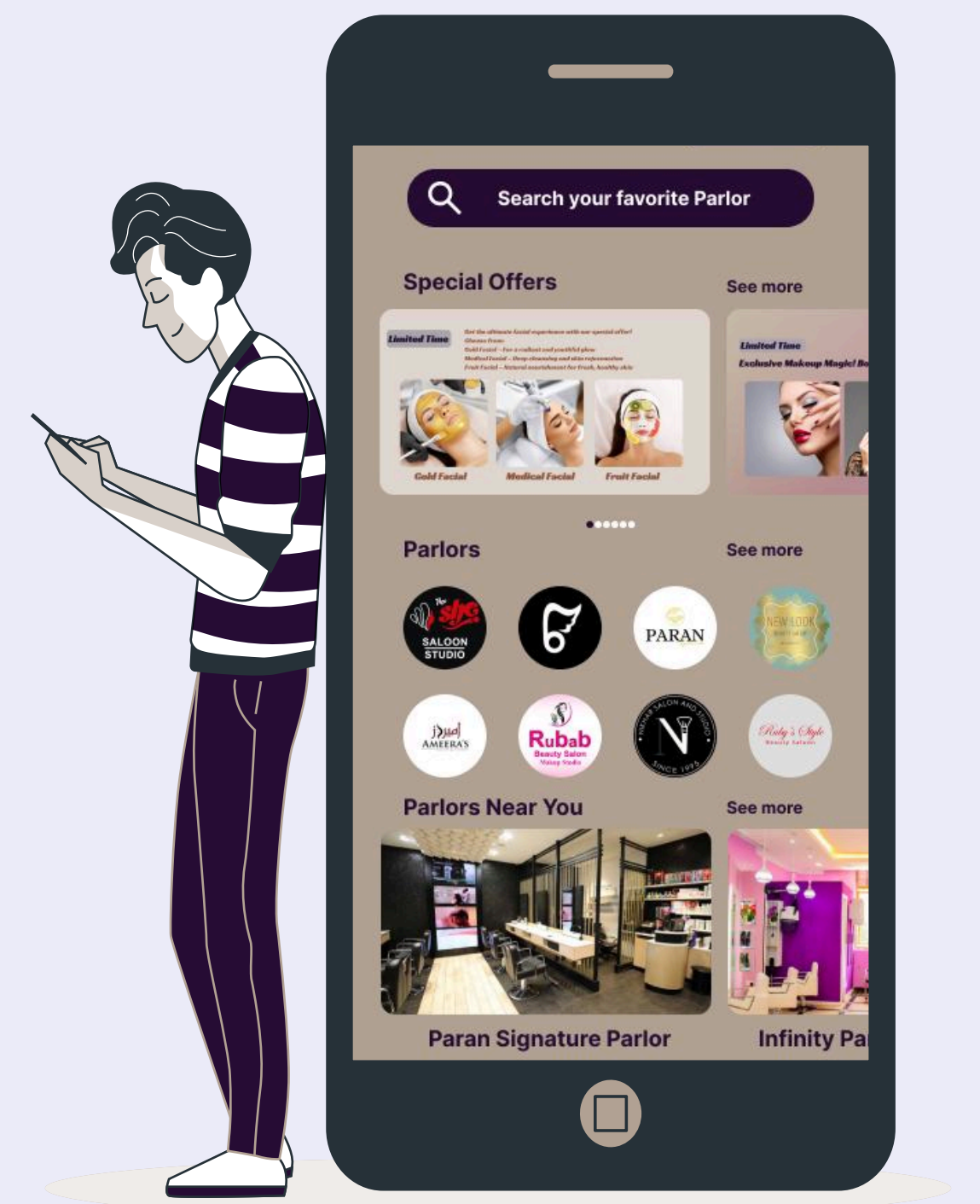




eParlor Booking

Online Integrated Parlor Management and Booking System



Abstract

- The eParlor Booking App is a cross-platform salon management and booking system with Admin, Customer, and Parlor Owner Panels for seamless interaction.
- Customers can browse, book services, and leave reviews, while parlor owners manage profiles, services, and appointments.
- The Admin Panel oversees user approvals and analytics.
- Built with React Native (Expo), Node.js and MongoDB, the app ensures efficiency, scalability, and security with OTP authentication and Google login.
- It streamlines salon bookings, supports local businesses, and enhances the beauty service experience.

Design Methodology

- 1 Requirement Analysis: Collected user needs and defined system requirements.
- 2 System Design: Created system architecture, database schema, and UI wireframes.
- 3 Development: Built using React Native (Expo) for frontend, Node.js & Express.js for backend, and MongoDB for database.
- 4 Authentication & Security: Implemented JWT authentication and OTP verification for secure access.
- 5 Testing & Debugging: Conducted unit testing, integration testing, and user acceptance testing (UAT).
- 6 Deployment & Maintenance: Deployed on cloud hosting with continuous monitoring for optimization.
- 7 Goal: Ensure seamless booking, enhanced security, and a user-friendly experience.

System Panels Overview

Admin Panel

- Approves and verifies parlor registrations.
- Monitors and removes fraudulent parlors.
- Manages customer reviews and promotional deals.
- Ensures fair business practices and platform integrity.

Parlor Owner Panel

- Manages Parlor's Profile, Services and Pricing.
- Accepts, Schedules or Cancels customer appointments.
- Creates Promotional deals and offers.
- Monitors customer feedback and improves service quality.

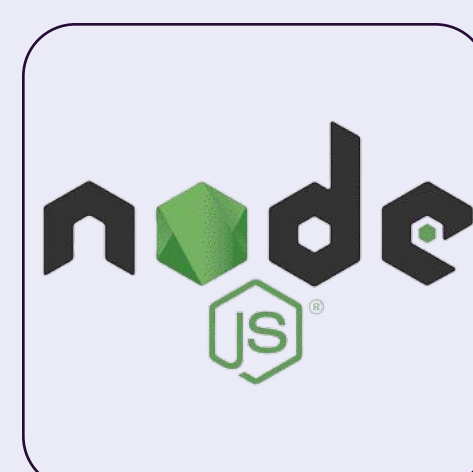
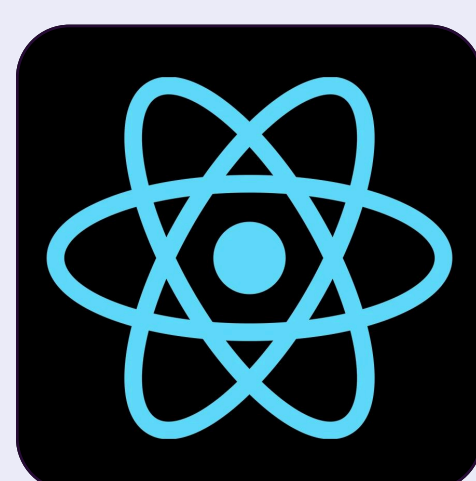
Customer Panel

- Browsing parlors based on location, services, and ratings.
- Books appointments and manages booking history.
- Makes payments and receives real-time updates.
- Leaves reviews and ratings for parlors.

Aims

The eParlor Booking App provides a seamless platform for customers to book salon services, allows parlor owners to manage appointments, and enables admins to oversee operations. It ensures secure authentication, real-time notifications, and a user-friendly experience.

Technologies used



Summary

The eParlor Booking App is a cross-platform parlor management and booking system built with React Native (Expo) and Node.js (MongoDB). It features role-based UI implementation for customers, parlor owners, and admin, with separate dashboards for admin and parlors. Customers can book services, parlors can manage appointments and profiles, and admins oversee operations. Admin approval is required for parlors' first login.