CareDent: Accessible Dental Care Solution

CareDent revolutionises dental care. Our innovative platform connects dental students. We link them to underserved patients. This fosters practical experience. It also ensures accessible, affordable treatment.

Inspiration & Motivation

Many dental students struggle to gain real-life clinical experience. At the same time, thousands of people can't afford dental treatment.

What if we could help both sides through one platform?

Clinical Experience

Hands-on experience for students.

Affordable Treatment

Low-cost dental care for patients.

Community Impact

Bridging the gap.

The Problem

Students need hands-on cases to complete their studies.

Patients delay or avoid care due to high costs. There's a clear disconnect between students and communities in need.

Lack of Experience

Unaffordable Care

Disconnect

The Solution – CareDent

CareDent connects dental students with underserved patients. It provides students with practical experience. It offers free or low-cost treatment to patients.

Supervised and ethical process ensures quality and safety.

Connects

Students and patients.

Provides

Practical experience.

Offers

Affordable treatment.

Key Features

Patient registration and case submission is simple. Students apply to treat cases. Our smart matching system pairs the best candidates.

Supervisor approval and case tracking keep things organised. A feedback system improves treatment.
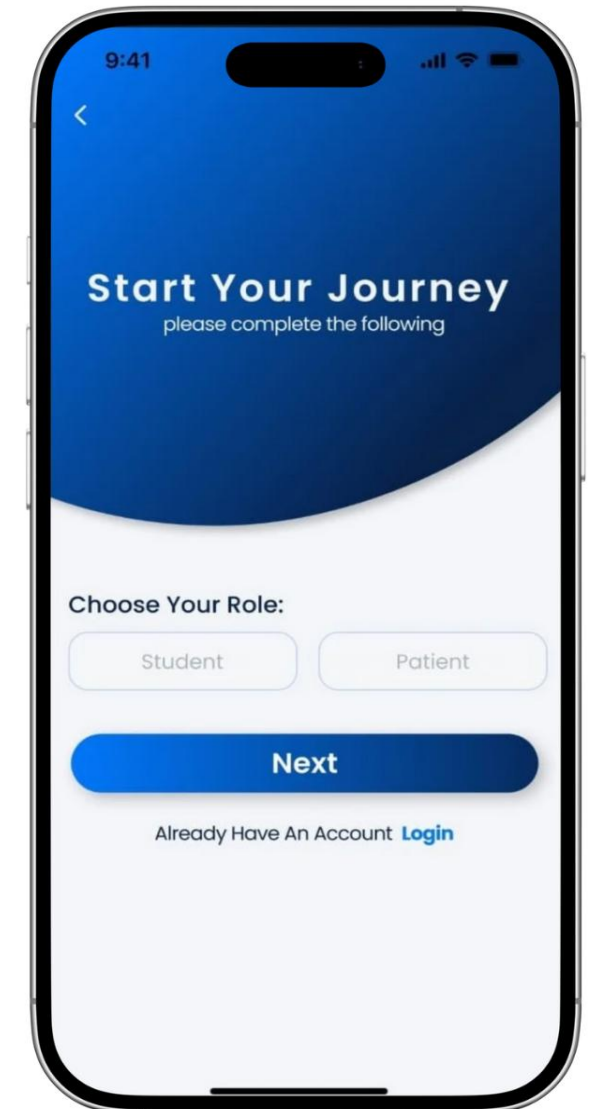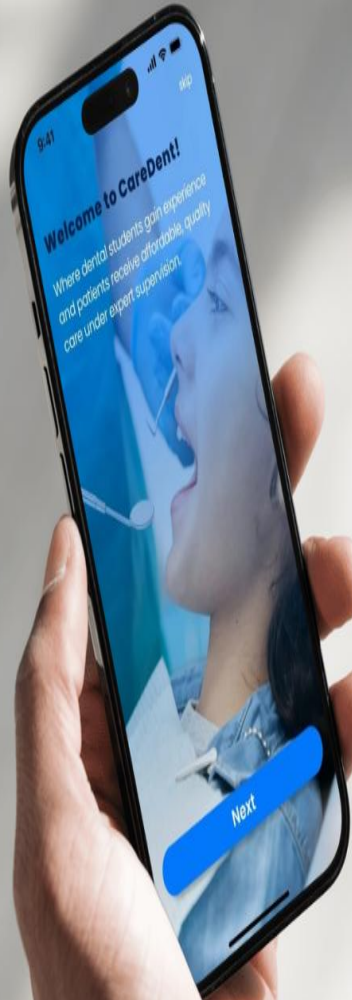
Registration

Easy patient sign-up.

Matching

Smart student pairing.

Feedback

Treatment improvement.

Mobile App

Developed with Flutter for Android & iOS.

Clean and intuitive design is a must.

Students can view and apply to cases on the go. Patients can upload cases and communicate directly with students.

Mobile

Access anytime, anywhere.

Communication

Direct messaging.

Notifications

Case updates.

Web Platform

Built using Next.js for a fast and responsive interface. It features separate dashboards for patients, students, and supervisors. Easy navigation and accessible design make it a breeze.

Easy Navigation

Simple and intuitive design.

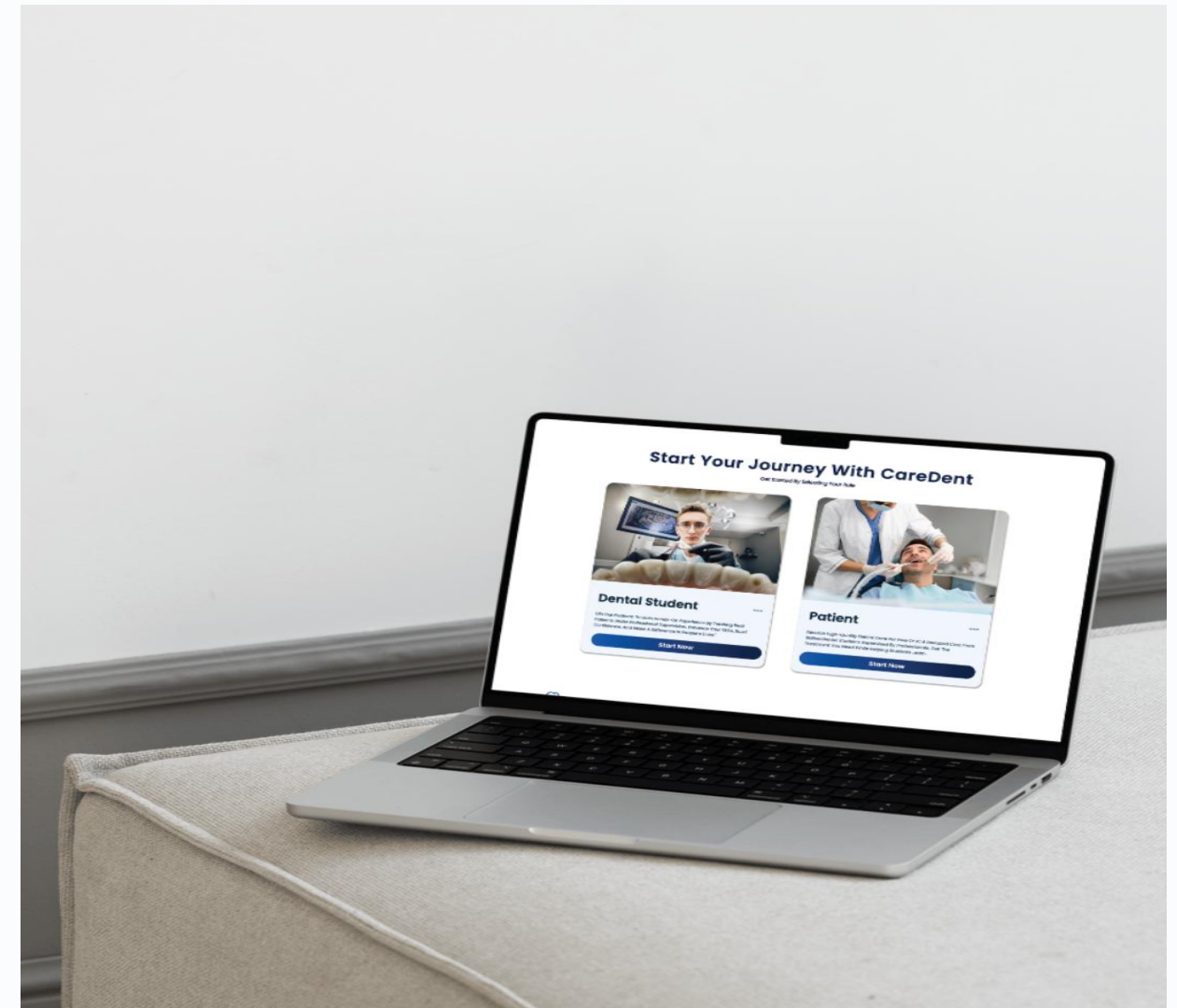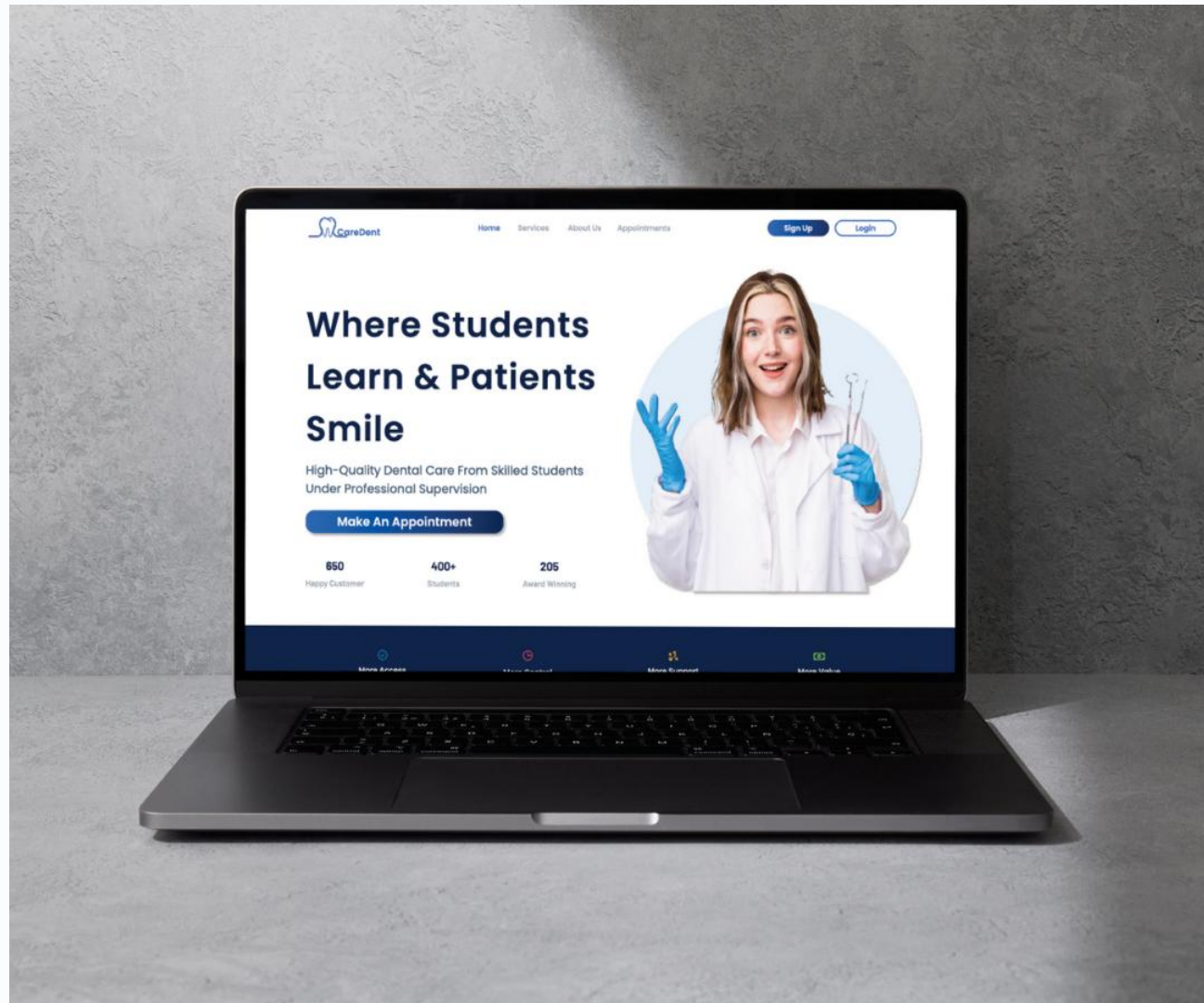## Accessibility

Mobile and desktop.

Backend & Database

Backend developed with Node.js and Express. RESTful APIs handle users, cases, and messages. Data is stored in MongoDB for flexibility and scalability.

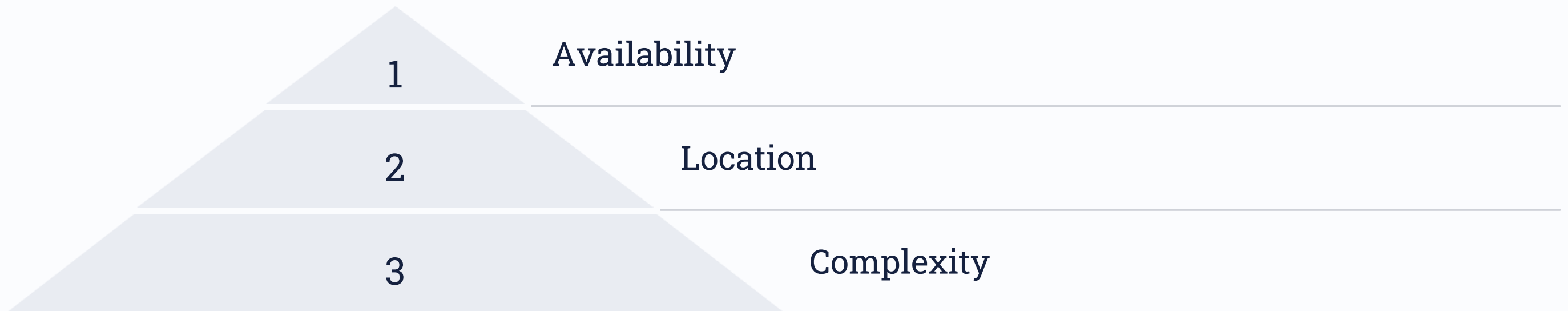Authentication and authorization ensure security for different user roles.

REST APIs

Data handling.

Node.js

Backend logic.

MongoDB

Flexible storage.

Our Design in Web

AI & Smart Matching

Basic AI matches students to patient cases. This is based on case complexity. It also factors in student experience level, location & availability.

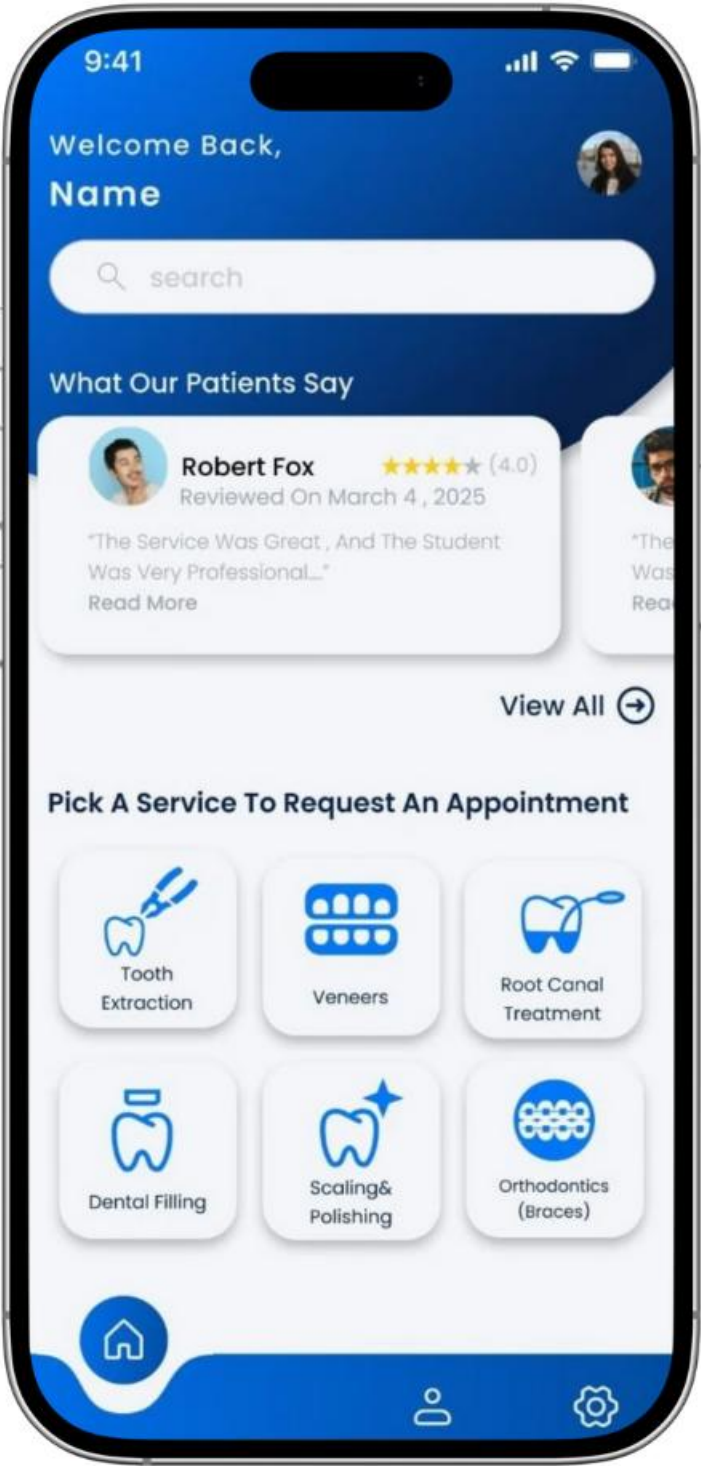|	
1	Availability
2	Location
3	Complexity

UI/UX Design

Focus on simplicity and ease of use is key. A soft colour palette creates trust and comfort. Minimal steps complete actions.

Accessibility is considered (font size, contrast, responsive layout).

Simplicity	Soft Colours
Minimal Steps	Accessibility

Impact & Vision

Empowering Students: Providing real-world training to shape future dental professionals.

Serving Patients: Expanding access to affordable dental treatment for underserved communities.

Building Community: Fostering a stronger, healthier society through improved oral healthcare.

Looking Ahead: Expanding the CareDent model to other medical specializations to maximize its impact.

Thank You

Thank you for your time. CareDent promotes smarter, more inclusive healthcare. We welcome your questions.