

Children's App

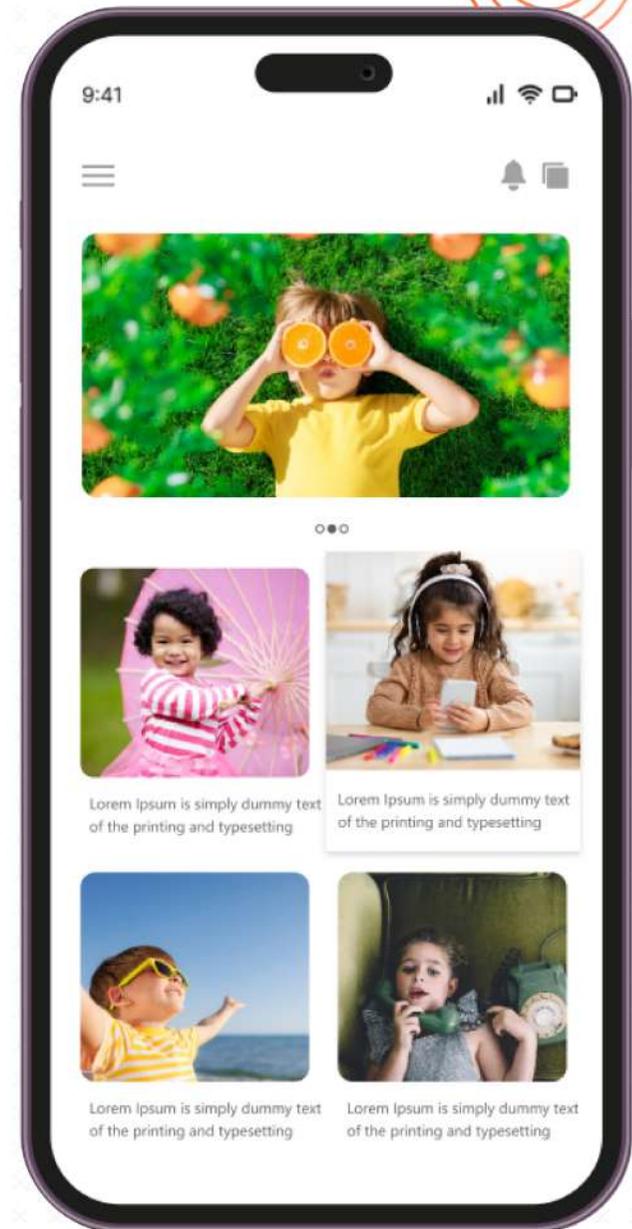
Project Type

Mobile Application (Parent/Child) & Web Admin Panel

Tech Stack

ReactJS, Ionic/React Native, Node.js, AI Integration, Google Meet API

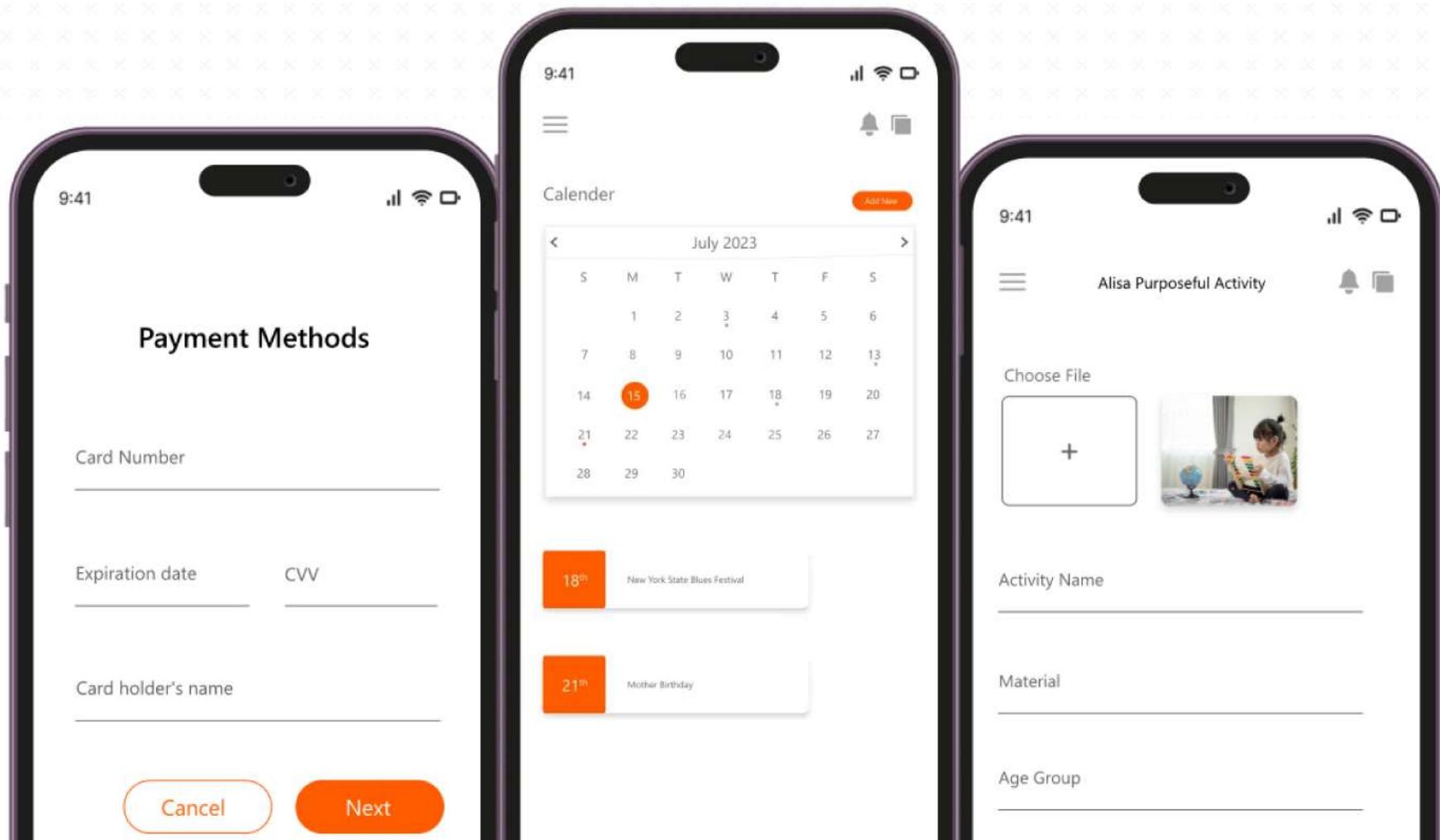
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Executive Summary

Client sought to digitize the nursery and early child development experience. The goal was to create a comprehensive ecosystem that allows parents to track their child's developmental journey, manage health records (immunizations/allergies), and access curated educational content.

The solution required a robust mobile app for parents and a powerful admin panel for coaches and administrators to manage content and consultations.



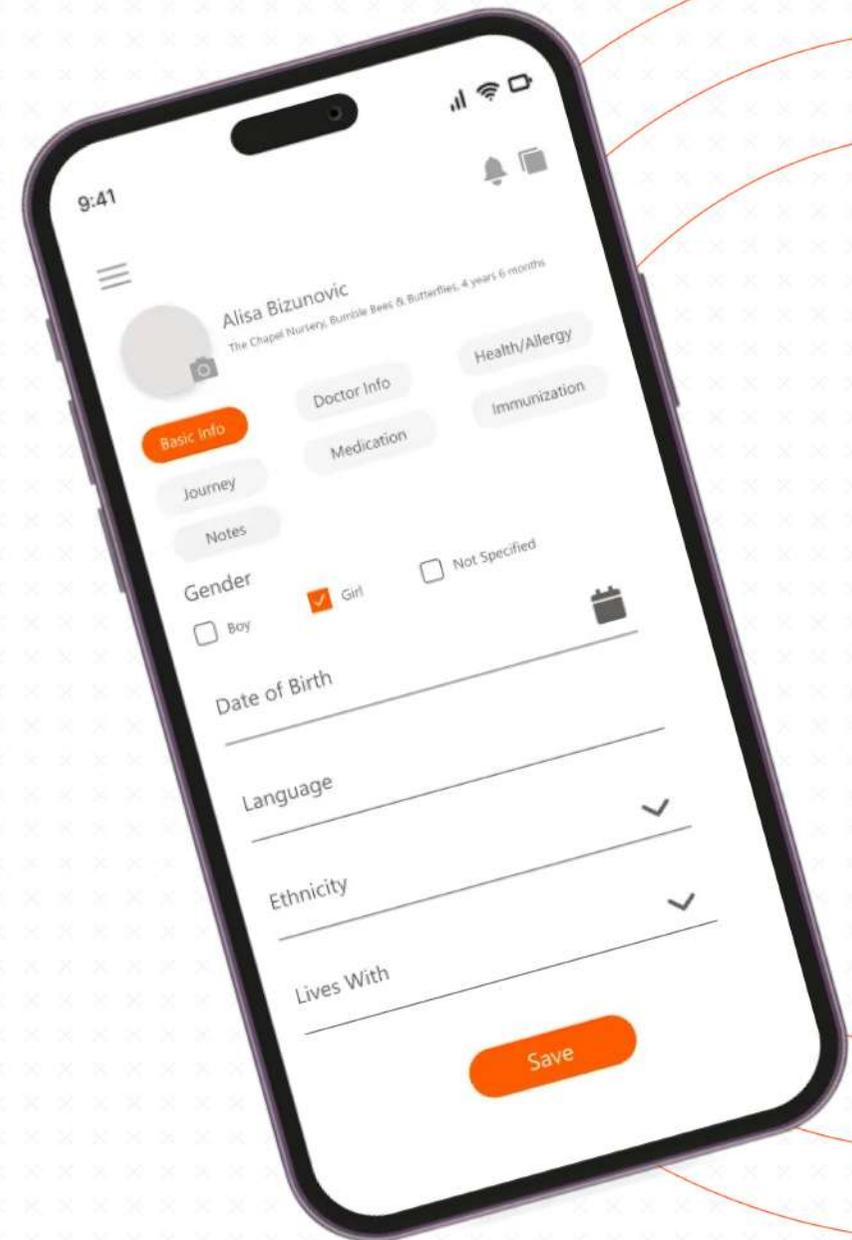
The Challenge

The client needed to migrate from legacy manual processes and disjointed systems (referencing older systems like Babysdays and Family) to a unified, modern digital experience. Key challenges included:

Complex Logic: Implementing a "Traffic Light" (RAG) assessment system that automatically calculates child development stages (Red, Amber, Yellow, Green) based on age and outcomes.

Health Compliance: creating a detailed, legally compliant tracking system for vaccinations, allergies, and daily medications.

Engagement: integrating live coaching, video courses, and AI-driven recommendations for the next steps in a child's learning path.



The Solution: Key Modules

A Comprehensive Child Profiles & Health Management

We developed a multi-tabbed profile system handling sensitive data with high usability

- ✓ **Immunization Tracker:** A dedicated module referencing NHS guidelines, allowing parents to track vaccine status.
- ✓ **Medical Records:** Digital logs for allergies, daily medications, and doctor contact details.
- ✓ **Daily Observations:** A timeline allowing parents to record daily routines (sleep, food, mood).

B The "Journey" & Assessment Logic

This was the core intellectual property of the app. We engineered a dynamic assessment engine

- ✓ **Baseline Assessment:** Parents complete an initial survey.
- ✓ **RAG System:** The app calculates progress based on outcomes achieved:

 **Red:** <30% outcomes achieved.

 **Orange:** 30% - 75% outcomes achieved (Added during development feedback).

 **Yellow:** >75% outcomes achieved.

 **Green:** >90% outcomes achieved.

C Smart Learning & Content Delivery

- ✓ **AI-Driven Progression:** Once a course is completed, the system utilizes AI to suggest the next relevant course based on the child's age and current progress score.
- ✓ **Live Sessions:** Integration with Google Meet for virtual coaching and live community sessions.
- ✓ **Gamification:** A Star Rating system where children earn awards for completing tasks, and parents earn stars for completing knowledge sessions.

9:41

Alisa Purposeful Activity

Choose File

Activity Name

Material

Age Group

How to do it

Save

9:41

Alisa Purposeful Activity

Today Purposeful Activity

Salad Monster

Calendar: July 2023

Save

9:41

Contact Info

Name

Relation

Phone Number

Address

Parent Career

Save

9:41

Dr. Anika Jain

10 Years Experience Overall

Book a Slot

Today

09:00AM - 10:00AM

10:00AM - 10:30AM

10:30AM - 11:30AM

04:00PM - 05:00PM

Tomorrow

09:00AM - 10:00AM

10:00AM - 10:30AM

Technical Highlights & Integrations

OpenAI API

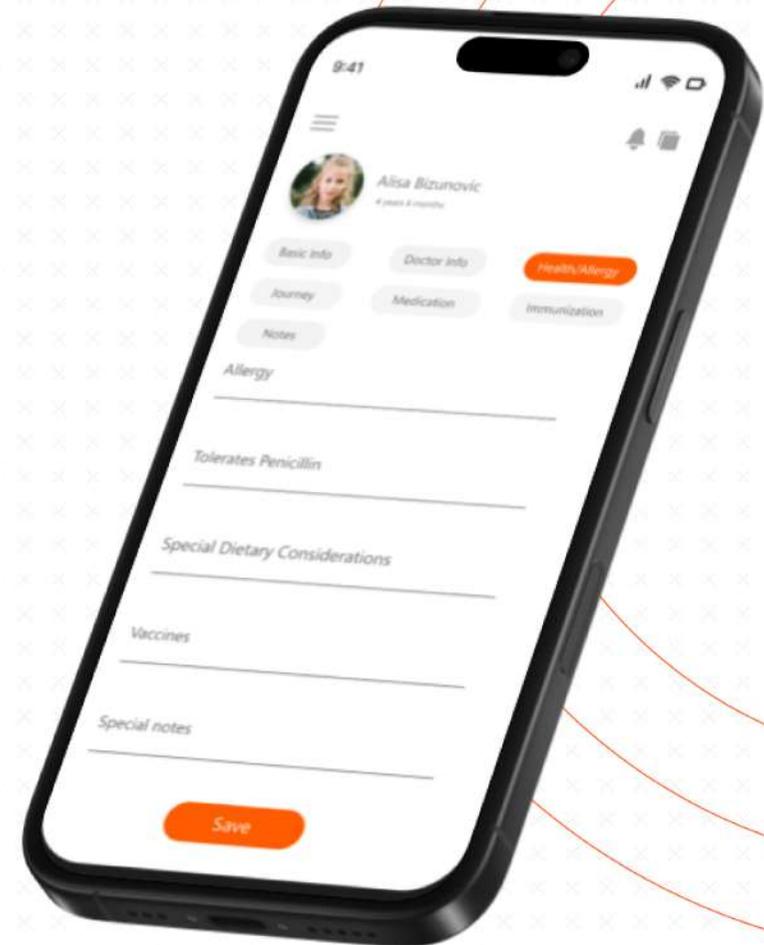
Utilized for analyzing child scores and recommending personalized "Next Steps" and goals for parents.

Google Meet API

Seamlessly integrated for scheduling and conducting one-on-one virtual consultations with coaches.

Push Notifications

Built a robust notification system for live session reminders, medication alerts, and consultation approvals.



Success Story: From Concept to "Green Light"

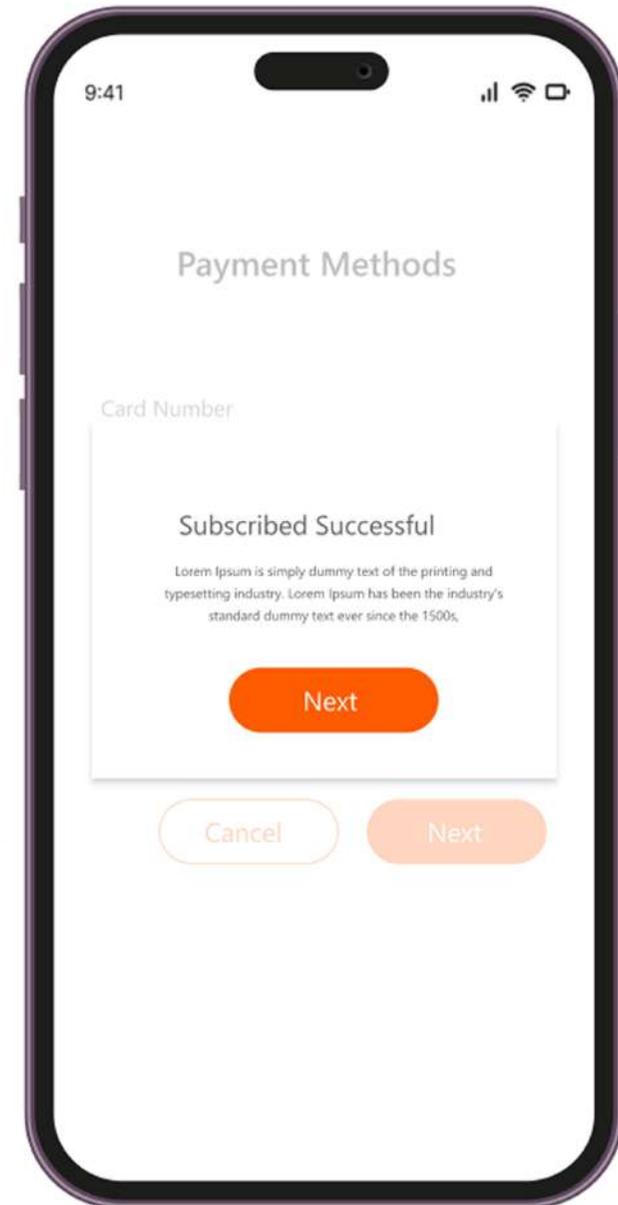
The Objective

The client needed to launch a Minimum Viable Product (MVP) that didn't just look good but handled complex logic regarding child development "Journeys" and critical health data without error.

The Execution

Over the course of four intense sprints, the development team successfully translated complex pedagogical requirements into a user-friendly interface. A significant win occurred during the "Journey" module development.

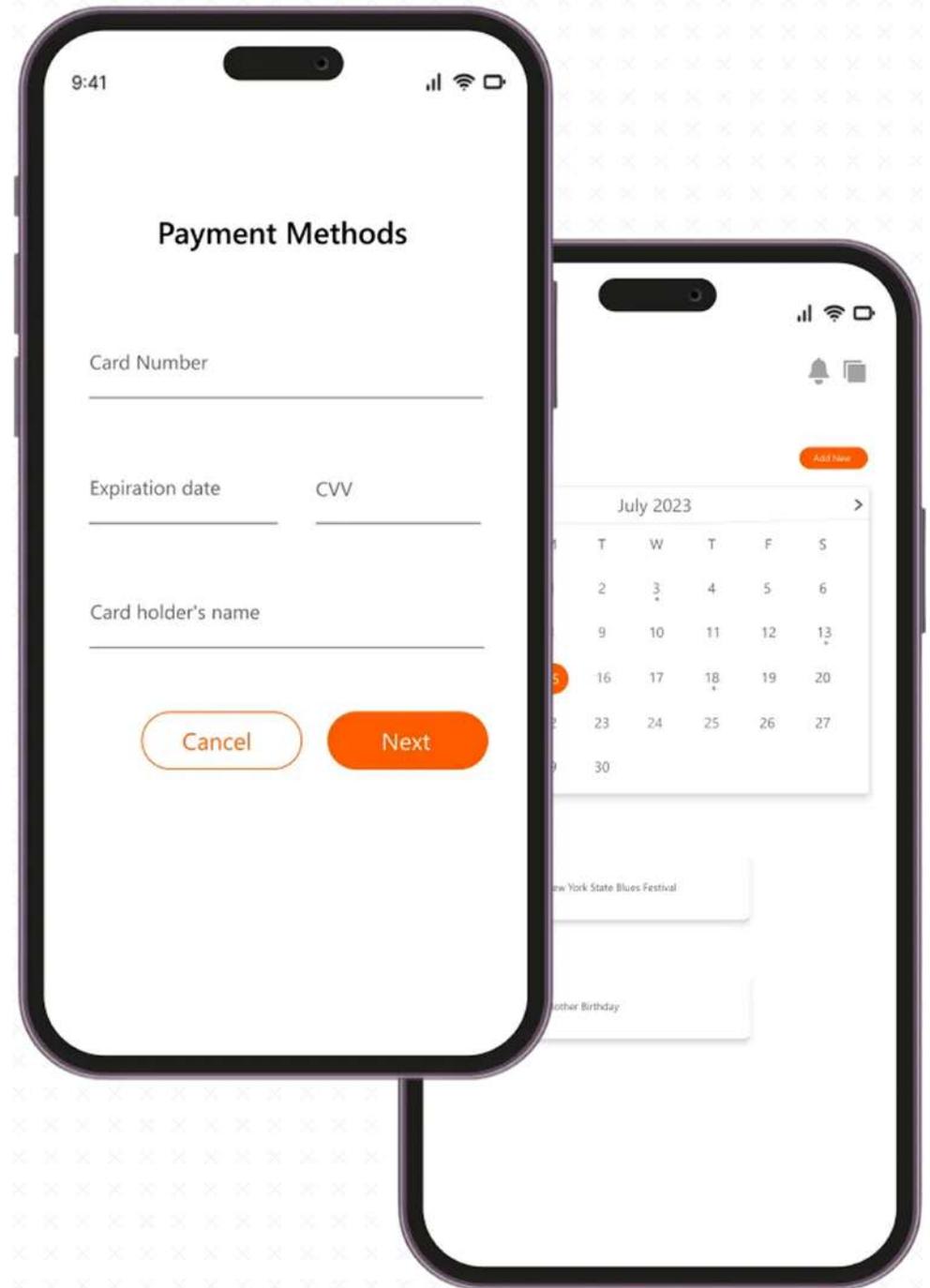
The initial requirement was a standard 3-color RAG system. However, during testing, the client realized a gap existed for children scoring between 30% and 75%. The team rapidly adapted the logic to introduce an "Orange" status, ensuring no child's progress fell through the cracks.



Furthermore, the **Immunization Module** posed a UX challenge—displaying vast amounts of medical data on a small mobile screen. The team redesigned the flow to move detailed descriptions and "At Risk" assessments to a cleaner, card-based layout, significantly reducing visual clutter and improving parent usability.

The Outcome

The project successfully moved from static spreadsheets and legacy concepts to a fully functional mobile application. Parents can now securely manage multiple children's profiles, subscribe to care plans via integrated payments, and receive AI-backed developmental advice. The client, now possesses a scalable platform capable of supporting thousands of families, ready for deployment involving advanced community features and e-commerce integration.





Thank You For Reading



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