Project Requirements

1. Project Overview

Application Name: Kinnect

Purpose: Kinnect is designed to centralize and streamline various types of information for children of aging parents, making it significantly easier to manage healthcare details. It will serve as a real-time "hub" accessible by trusted family members, ensuring everyone stays updated on the latest scheduling and medication details for consistency.

Core Features: The application will include:

- Medication Log
- Appointment Calendar
- Vitals Tracking Dashboard

2. Functional Requirements

User Management

- Users must be able to create an account.
- Users must be able to log in to their account.

Medication Log

- Users must be able to add new medications, including name and dosage.
- Users must be able to view a list of all added medications.
- Users must be able to mark a medication as "taken."
- Marking a medication as taken must create a timestamp, as well as recording the name of the family member who administered the medication to the individual.
- Users must be able to delete a medication from the list.

Appointment Calendar

- Users must be able to add new appointments with details such as date, time, location, doctor's name, and purpose of the visit.
- Users must be able to view all appointments on a collaborative calendar.
- Users must be able to click on an appointment to view its details.
- Users must be able to add a post-visit summary for each appointment.

Vitals Tracking

- Users must be able to enter and save readings for various vital signs.

● Users must be able to view a chart/graph displaying vital sign trends over time.

3. Non-Functional Requirements

● **Usability**: The application must feature a clean and straightforward interface, easily understandable by non-technically inclined users.
● **Performance**: The application should load quickly, with all data appearing as instantaneously as possible.
● **Security**: All user data must be stored securely.
● **Compatibility**: The application must function correctly on the latest versions of all major web browsers.
● **Technology Stack**: The project must be built using:
  ○ Frontend: React
  ○ Backend: Node.js/Express server
  ○ Database: MongoDB/SQL