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# 21L-1858

**Project Proposal: Nurse & Physiotherapist Hiring App**

**1. Project Title:**

Nurse & Physiotherapist On-Demand Hiring App

**2. Introduction:**

This project aims to develop a **React Native-based** mobile application that connects users with healthcare professionals, similar to ride-hailing services like Uber or InDrive. Users will be able to specify the duration of service and pay accordingly, ensuring accessibility to quality home healthcare.

**3. Objectives:**

* To develop a user-friendly mobile application for hiring nurses and physiotherapists.
* To provide a **booking system** where users can select services, specify duration, and confirm appointments.
* To integrate **real-time chat** between users and professionals for better communication.
* To implement a **secure authentication system** for both users and professionals.
* To enable **payment tracking** and a basic rating system.

**4. Key Features:**

**User Features:**

* **User Authentication:** Sign up/Login using Firebase authentication (Email & Password).
* **Profile Management:** Users can update their details and address.
* **Service Selection:** Option to hire **nurses** or **physiotherapists** for different durations.
* **Location Input:** Users enter their location manually or Google Maps
* **Chat Feature:** In-app messaging between users and professionals
* **Booking System:** Users can place, view, and cancel bookings before confirmation.
* **Payment Tracking:** Users can view estimated charges (Cash on Arrival or Online Payment options like EasyPaisa/JazzCash in later phases).
* **Rating System:** Users can rate professionals after service completion.

**Professional Features:**

* **Service Provider Dashboard:** View and accept/reject service requests.
* **Chat Feature:** Communicate with users for better service coordination.
* **Booking History:** Track completed and upcoming appointments.

**5. Technology Stack:**

* **Frontend:** React Native
* **Backend:** Firebase Firestore (for database & chat), Firebase Auth, Node js, Mongo DB
* **Payment:** Manual tracking for now, later integration of Stripe or local payment gateways
* **Maps & Location:** Google Maps API (if time allows)
* **Real-time Chat:** Firebase Firestore

**6. Expected Outcome:**

By the end of this project, a **fully functional MVP (Minimum Viable Product)** will be developed where users can hire healthcare professionals for a specific duration, communicate via chat, and track their bookings. The app will serve as a **prototype** for a future scalable version.