Project Description: Mental Health Counseling Center Web Application

Overview

The Mental Health Counseling Center Web Application is a project designed to streamline and enhance the management of mental health counseling services. This project, intended for third year undergraduate students, will be developed over a four-month period. The application will cater to three types of users: counselors, patients, and administrators. It will facilitate patient management, appointment scheduling, and record-keeping, ensuring an efficient and user friendly experience for all stakeholders

Objectives

1. **User Management**:

o Implement different user roles: counselors, patients, and administrators.

o Facilitate account creation and management for each user type.

o Implement secure user authentication and profile management.

2. **Patient Records and History**:

o Maintain a comprehensive history of each patient's mental health condition.

o Allow multiple visit records under a single patient profile, capturing detailed visit history.

3. **Appointment Management**:

o Enable patients to request appointments with their preferred or assigned counselors.

o Allow counselors to manage their counseling schedules.

o Provide administrators with tools to manage and approve appointment requests, and handle counselor reassignments.

4. **Payment Tracking**:

o Record and display payment history for patients.

o Provide administrative tools for managing payments.

Key Features
- **User Roles and Permissions**:
  - **Counselors**: Manage patient records, update mental health conditions, and handle counseling schedules.
  - **Patients**: Create accounts, request appointments, view visit schedules and payment history.
  - **Administrators**: Oversee the entire system, manage user accounts, approve or deny appointment requests, and handle counselor assignments.
- **Patient Management**:
  - Create new patient accounts for first-time visitors.
  - Maintain a single patient record with multiple visit histories.
  - Record detailed mental health condition updates for each visit.
- **Appointment Scheduling**:
  - Patients can request appointments with available counselors.
  - Counselors can view and manage their schedules.
  - Administrators can approve, deny
  - Implement a system for requesting counselor changes, handled by the administrator.
- **Administrative Dashboard**:
  - Provide a comprehensive dashboard for administrators to oversee the system.
  - Manage user accounts, appointments, and counselor assignments.

Technology Stack

- **Frontend**: React.js

- **Backend**: Node.js/ php laravel

- **Database**: Cloud Firestore or MySQL

- **Authentication**: JWT (JSON Web Tokens) and OAuth

- **Deployment**: AWS/GCP/Azure/Heroku