

Basic Database Design

1. Users Table

- user_id (PK) - Unique identifier for each user
- name - Full name of the user
- email - User's email (unique)
- password_hash - Encrypted password
- phone_number - Contact number
- role - Defines the role of the user (e.g., Patient, Therapist, Emergency Responder)
- created_at - Timestamp of user creation
- updated_at - Timestamp of last update

2. Emergency_Contacts Table

- contact_id (PK) - Unique identifier for each contact
- user_id (FK) - References `Users.user_id`
- contact_name - Name of the emergency contact
- contact_phone - Phone number of the emergency contact
- relationship - Relationship to the user (e.g., Parent, Friend)
- priority - Priority level for the contact (e.g., Primary, Secondary)
- created_at - Timestamp of contact creation
- updated_at - Timestamp of last update

3. Therapists Table

- therapist_id (PK) - Unique identifier for each therapist
- name - Therapist's name
- specialization - Specialization area (e.g., Depression, Anxiety)
- email - Contact email
- phone_number - Contact phone number
- rating - Average rating based on user feedback
- experience_years - Years of experience
- created_at - Timestamp of creation
- updated_at - Timestamp of last update

4. Sessions Table

- session_id (PK) - Unique identifier for each session
- user_id (FK) - References `Users.user_id`
- therapist_id (FK) - References `Therapists.therapist_id`
- session_date - Date of the session
- session_duration - Duration of the session in minutes
- session_notes - Notes taken during the session
- session_type - Type of session (e.g., In-person, Virtual)
- status - Status of the session (e.g., Completed, Scheduled, Canceled)

- created_at - Timestamp of session creation
- updated_at - Timestamp of last update

5. Mental_Health_Resources Table

- resource_id (PK) - Unique identifier for each resource
- title - Title of the resource
- description - Brief description of the resource
- url - URL link to the resource
- resource_type - Type of resource (e.g., Video, Article, Workshop)
- created_at - Timestamp of resource creation
- updated_at - Timestamp of last update

6. Appointments Table

- appointment_id (PK) - Unique identifier for each appointment
- user_id (FK) - References `Users.user_id`
- therapist_id (FK) - References `Therapists.therapist_id`
- appointment_date - Date and time of the appointment
- status - Status of the appointment (e.g., Confirmed, Pending, Canceled)
- notes - Additional notes about the appointment
- created_at - Timestamp of appointment creation
- updated_at - Timestamp of last update

7. Feedback Table

- feedback_id (PK) - Unique identifier for each feedback entry
- user_id (FK) - References `Users.user_id`
- therapist_id (FK) - References `Therapists.therapist_id`
- rating - Rating provided by the user (e.g., 1-5)
- comments - Comments or feedback provided by the user
- created_at - Timestamp of feedback submission
- updated_at - Timestamp of last update

8. Emergency_Log Table

- log_id (PK) - Unique identifier for each emergency log
- user_id (FK) - References `Users.user_id`
- contacted - Indicator if emergency contact was notified
- contacted_date - Date of emergency contact notification
- notes - Details of the emergency situation
- response_time - Time taken for response after notification
- created_at - Timestamp of log creation
- updated_at - Timestamp of last update

