Title : **Mental Health Therapist Request Line** (v 1.0 Nahid Sekander)

Narrative Description :

This is an online service that connects individuals seeking mental health support with licensed therapists or mental health professionals. Users can submit a request to connect with a therapist, detailing their needs to book an appointment for the support they require. The service helps streamline the process, reducing wait times and providing timely support to those in need.

The system will:

* Collect user information, preferences, and availability
* Identify the type of help required
* Automate initial intake for matching and scheduling
* Filter therapists based on qualifications and client needs
* Offer an option for urgent or crisis-level requests, flagged for immediate attention

Database Schema :

* User Table
  + User\_id **PK**
  + First\_name **VARCHAR N**
  + Last\_name **VARCHAR N**
  + Email **VARCHAR U/N**
  + Phone number **INT U/N**
  + Address **VARCHAR N**
  + Mental\_health\_condition **TEXT**
  + Request Date **DATE U/N**
  + Urgent Request **BOOLEAN N**
* Therapists Table
  + Therapist\_id **PK**
  + First\_name **VARCHAR N**
  + Last\_name **VARCHAR N**
  + Email **VARCHAR U/N**
  + Phone\_number **INT U/N**
  + Specializations **TEXT N**
  + Address **VARCHAR N**
  + Availability **TEXT/JSON N**
  + Licience\_number **VARCHAR U/N**
  + Years\_of\_experience **INT N**

* Matching Table
  + Matching\_id **PK**
  + User\_id **FK**
  + Therapist\_id **FK**
  + Location\_match **BOOLEAN N**
  + Specialization\_match **BOOLEAN N**
  + Avaialbilyt\_match **BOOLEAN N**
  + Match\_score **INT N**
* Request Table
  + Request\_id **PK**
  + User\_id **FK**
  + Therapist\_id **FK**
  + Request\_type **ENUM N**
  + Status **ENUM N**
  + Request\_Date **TIMESTAMP U/N**
  + Assigned\_therapist\_date **TIMESTAMP U/N**
  + Session\_date **TIMESTAMP U/N**
  + Session\_notes **TEXT**

Title : **Application Form for Family Doctor** (v 1.0 Nahid Sekander)

Narrative Description :

This will be an online tool designed to help patients register and apply for a family doctor. The form will allow patients to submit personal information, medical history, and health care preferences to find a suitable match. The required information will include demographic details, insurance information, health care practice preferences, and medical conditions. This information will be used to find the most convenient family doctor based on the user's preferences and location.

Database Schema :

* Patient Table
  + Patient\_id **PK**
  + First\_name **VARCHAR N**
  + Last\_name **VARCHAR N**
  + Email **VARCHAR U/N**
  + Phone number **INT U/N**
  + Date of Birth **DATE N**
  + Address **VARCHAR N**
  + Insurance\_Provider **VARCHAR**
  + Insurance\_Plan\_Number **VARCHAR U**
  + Health\_Condition **TEXT**
  + Allergies **TEXT**
  + Date\_of\_application **DATE N**
* Doctors Table
  + Doctor\_id **PK**
  + First\_name **VARCHAR N**
  + Last\_name **VARCHAR N**
  + Email **VARCHAR U/N**
  + Phone\_number **INT U/N**
  + Specialization **TEXT N**
  + Location **VARCHAR N**
  + Availability **TEXT/JSON N**
  + Licience\_number **VARCHAR U/N**
  + Years\_of\_Expereience **INT N**
  + Accepting\_new\_patients **BOOLEAN N**
* Application Table
  + Application\_id **PK**
  + Patient\_id **FK**
  + Doctor\_id **FK**
  + Application\_status **ENUM** **N**
  + Submitted date **DATE N**
  + Reviewed\_date **DATE N**
  + Match\_date **DATE N**
  + Notes **TEXT**
* Doctor-Patient Matching Table
  + Match\_id **PK**
  + Application\_id **FK**
  + Doctor\_id **FK**
  + Match\_score **INT N**
  + Match\_criteria **TEXT N**
  + Match\_date **DATE N**