

DATABASE ENTITIES & RELATIONSHIPS

◆ 1. ****User****

- `user\_id` (PK)
- `name`
- `email`
- `password`
- `date\_of\_birth`
- `phone\_number`

◆ 2. ****Condition****

- `condition\_id` (PK)
- `name` (e.g., "Diabetes")
- `description`
- `symptoms`
- `treatment\_options`

◆ 3. ****UserCondition**** (to handle many-to-many between User & Condition)

- `user\_condition\_id` (PK)
- `user\_id` (FK)
- `condition\_id` (FK)

◆ 4. ****Appointment****

- `appointment\_id` (PK)
- `user\_id` (FK)
- `doctor\_name`
- `location`
- `appointment\_date`
- `notes`

◆ 5. ****Medication****

- `medication\_id` (PK)
- `name`
- `description`
- `for\_condition\_id` (FK → Condition)

◆ 6. ****UserMedication****

- `user\_medication\_id` (PK)
- `user\_id` (FK)
- `medication\_id` (FK)
- `dosage`
- `start\_date`

- `end\_date`
- `frequency\_per\_day`

◆ 7. **Reminder**

- `reminder\_id` (PK)
- `user\_id` (FK)
- `user\_medication\_id` (FK)
- `reminder\_time`
- `reminder\_type` (e.g., Email, SMS, App Notification)
- `status` (Pending, Sent, Skipped)

🔗 RELATIONSHIPS OVERVIEW

- A **User** can have many **Conditions** and a **Condition** can belong to many **Users** → `UserCondition`
- A **User** can have many **Appointments**
- A **Condition** can have multiple **Medications**
- A **User** can take multiple **Medications** → `UserMedication`
- A **Reminder** is linked to a **User** and one of their **UserMedications**

🏠 ENTITY RELATIONSHIP DIAGRAM (ERD)

