Project-2: Database schema

Defining database schemas for the different modules in a Remote Health Monitoring System

Database Schema:

Authentication/Authorization:
1. database_access_key
2. patient_info_access_key
3. sensor_data_access_key
4. report_access_key
5. notification_enabling_disabling

Data Reading:
1. device_id
2. access_key
3. patient_id
4. date/timestamp
5. vital_signs_values

Device Interface:
   a. **Devices**
      1. device_id
      2. device_name
      3. status

   b. **Device Readings**
      1. device_id
      2. data/timestamp
      3. value

Patient Info:
   a. patient_id
   b. age
   c. DOB
   d. history
   e. gender
   f. email/contact number
   g. address

Reports: (to be related to patient info/history)
1. patient_id
2. date/timestamp
3. illness_reported
4. diagnosis
5. prognosis
6. given_treatment
7. status
8. doctor_id

Notifications:
   a. patient_id
   b. device_id
   c. abnormal_reading
   d. receiving_doc_id
   e. date/timestamp
   f. emergency/not (y/n)
   g. status (treated/not)

User Management:
   a. Patients
      Patient_id (to be related to patient_info & reports)
   b. Doctors
      To be related to patient_info and sensor readings
   c. Hospital administration (overall data)