VEZEETA DATABASE PROJECT

MILESTONE 1

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DATABASE

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Original Description:

Vezeeta is the door-way to improved healthcare experience for millions of patients every month. Find the best doctors, book appointments. Search for doctors in your neighborhood with over than 50 different medical specialties including: dentists, pediatricians, and more.

Read verified reviews from other patients. Find available appointment slots and book instantly. As a patient you can also receive reminders before your appointment and read doctors' professional statements, and learn about their education and background.

Enhanced Description:

- <u>Vezeeta</u> is a software to perform an automated booking system in medical field to make the patient able to book an appointment with any available doctor he chooses.
- The system makes examination process easy for doctors, as the doctor will be able to review patient requests from the system and make his status offline if he/she is unavailable due to any emergency case and cancel any bookings and appointments from patients.
- Patient can review available doctors in any area he chooses, any specialty and any type of appointments (examination, surgery, etc.).
- After the appointment, the patient can give his feedback and review about the doctor and about the clinic if he/she wants and doctors or clinics can view this review later.
- Every doctor is specialized in one or more specialties and can work for one or more clinic and every clinic has one or more doctors.
- The admin of the system which should belong to a clinic is responsible for managing appointments among clinic and doctors.

Entitles Types:

1- Doctors:
   a. Each doctor has ID, gender, email, specialty, address, state, and one or many mobile number.
   b. Each doctor can have many appointments by (Has) relationships with appointment entity.

2- Appointments:
   a. Each appointment has ID, appointment_max_number which is the maximum number of patients who can book in this date, state(veiled, completed, canceled, etc.), fees for patients, and type.
   b. Each appointment created by an admin of the clinic where the appointment will be.
   c. Each appointment has many bookings by patients.

3- Patient:
   a. Each one has a mobile number, name, ID and an Email.
   b. Each one has many appointments with a specific doctor, clinic, area and date.

4- Admin:
   a. Each admin must belong to one clinic and is responsible for creating and managing all appointments among doctors, patients and his clinic.
   b. Each one has ID, Email and name.
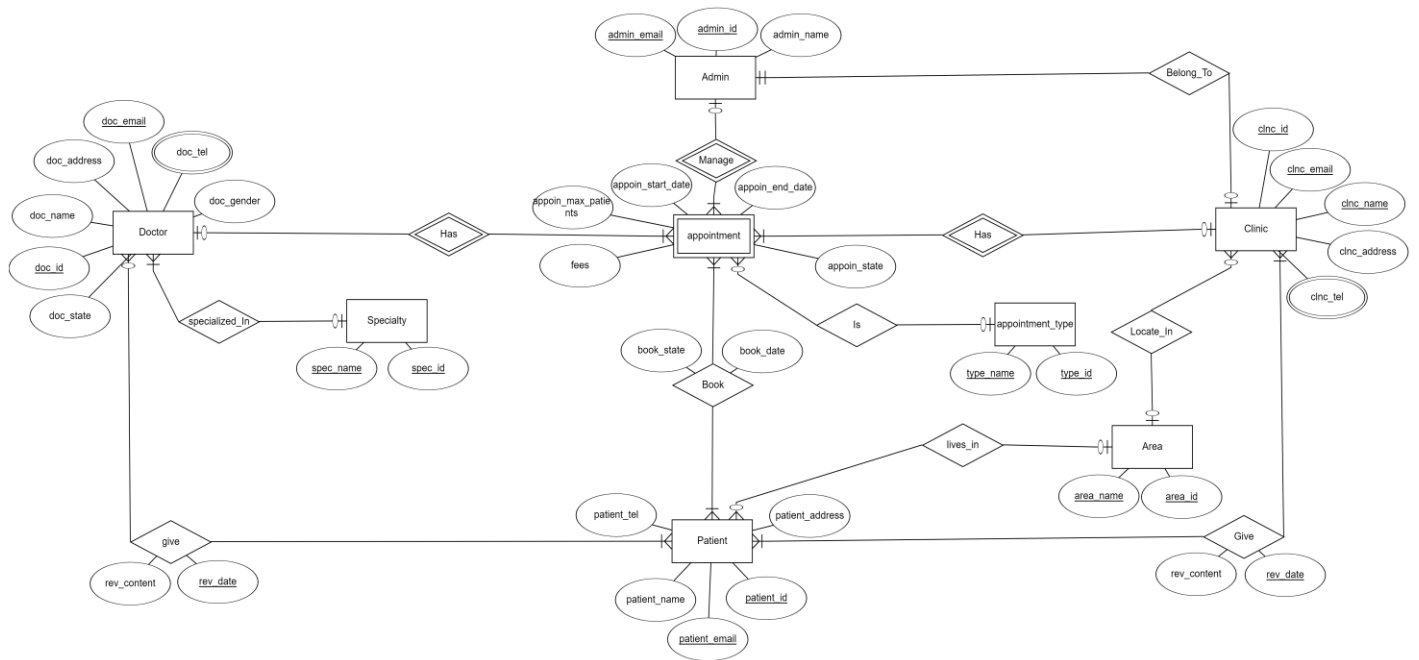
5- Clinic:
   a. Each Clinic has ID, address, name, one or more mobile numbers, and email.
   b. Each clinic is located in an area, which makes the patient able to choose any area he wants.

6- Area:
   a. Each area has ID and name.
   b. It is used by doctors and clinics to provide more search options for the patient.

ER Diagram:

Scheme Diagram:

ClncTels
- **clnc_tel**
- **clnc_id** (FK)

DocTels
- **doc_tel**
- **doc_id** (FK)

Doctor
- **doc_id**
- doc_gender (O)
- doc_email (U)
- doc_address (O)
- doc_name
- doc_state (O)
- spec_id (FK)

Specialty
- **spec_id**
- spec_name

Books
- **appoin_start_date**
- **doc_id**
- **clnc_id**
- **appoin_end_date**   (FK)
- **patient_id** (FK)
- book_date
- book_state (O)

DoctorReview
- **doc_id** (FK)
- **patient_id** (FK)
- **rev_date**
- rev_content

Clinic
- **clnc_id**
- clnc_name (U)
- clnc_address
- clnc_email (U)
- area_id (FK)

appointment
- **doc_id** (FK)
- **clnc_id** (FK)
- **appoin_start_date**
- **appoin_end_date**
- appoin_state
- appoin_max_patients
- admin_id (FK)
- type_id (FK)
- patient_id (FK)

Patient
- **patient_id**
- patient_email (U)
- patient_name
- patient_tel
- patient_address
- area_id (FK)

ClinicReview
- **clnc_id** (FK)
- **patient_id** (FK)
- **rev_date**
- rev_content

Admin
- **admin_id**
- admin_email (U)
- admin_name
- clnc_id (FK)

appointment_type
- **type_id**
- Type_name (U)

Area
- **area_id**
- area_name