DataBase of Clinic

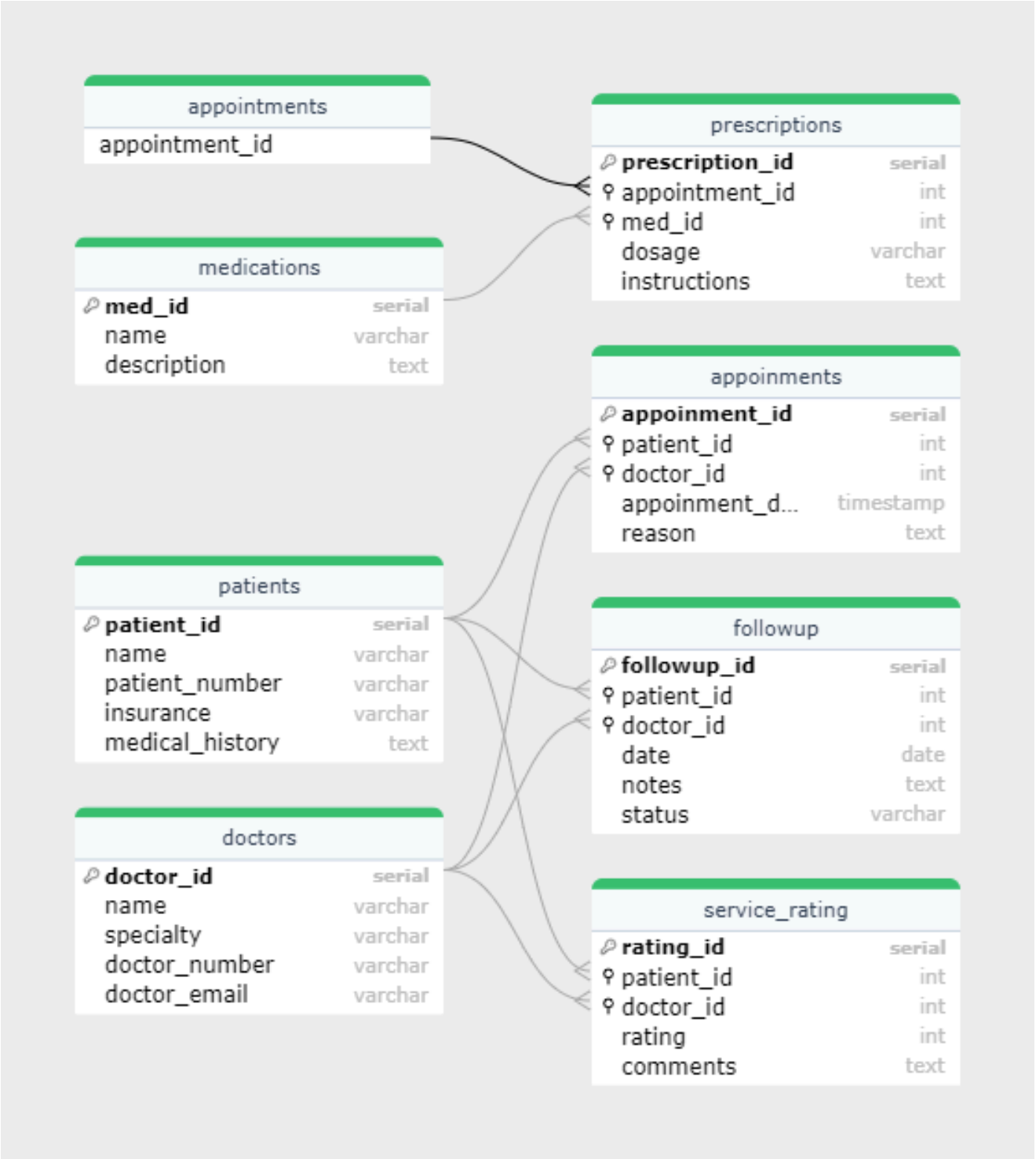
SQL Schema

```sql
-- create database
CREATE DATABASE clinic;



--create table patients
DROP TABLE IF EXISTS patients;
CREATE TABLE patients(
  patient_id  SERIAL,
  name VARCHAR(255) NOT NULL,
  patient_number VARCHAR(60),
  insurance VARCHAR(255),
  medical_history TEXT,
  PRIMARY KEY(patient_id)
);



--create table doctors
DROP TABLE IF EXISTS doctors;
CREATE TABLE doctors(
  doctor_id SERIAL,
  name VARCHAR(255) NOT NULL,
  specialty VARCHAR(100),
  doctor_number VARCHAR(60),
  doctor_email VARCHAR(40),
  PRIMARY KEY(doctor_id)
);
```

```sql
--create table appoinments
DROP TABLE IF EXISTS appoinments;
CREATE TABLE appoinments(
  appoinment_id SERIAL,
  patient_id INT NOT NULL,
  doctor_id INT NOT NULL,
  appoinment_data timestamp,
  reason TEXT,
  PRIMARY KEY(appoinment_id),
  FOREIGN KEY (patient_id) REFERENCES
patients(patient_id) ON DELETE CASCADE, FOREIGN KEY
(doctor_id) REFERENCES doctors(doctor_id) ON DELETE
CASCADE);
--create table medications
DROP TABLE IF EXISTS medications;
CREATE TABLE medications(
  med_id SERIAL,
    name VARCHAR(100) NOT NULL,
    description TEXT,
    PRIMARY KEY(med_id)
);
--create table prescriptions
DROP TABLE IF EXISTS prescriptions;
CREATE TABLE prescriptions (
  prescription_id SERIAL ,
  appointment_id INT NOT NULL,
  med_id INT NOT NULL,
  dosage VARCHAR(100) NOT NULL,
  instructions TEXT,
  PRIMARY KEY(prescription_id),
  FOREIGN KEY (appointment_id) REFERENCES
appointments(appointment_id) ON DELETE CASCADE,
  FOREIGN KEY (med_id) REFERENCES medications(med_id) ON
DELETE CASCADE
);
```

```sql
--create table followup
DROP TABLE IF EXISTS followup;
CREATE TABLE followup(
  followup_id SERIAL ,
  patient_id INT NOT NULL,
  doctor_id INT NOT NULL,
  date DATE NOT NULL,
  notes TEXT,
  status VARCHAR(100),
  PRIMARY KEY(followup_id),
  FOREIGN KEY (patient_id) REFERENCES
patients(patient_id) ON DELETE CASCADE,
  FOREIGN KEY (doctor_id) REFERENCES doctors(doctor_id)
ON DELETE CASCADE
);

--create table ServiceRating
DROP TABLE IF EXISTS service_rating;
CREATE TABLE service_rating (
  rating_id SERIAL,
  patient_id INT NOT NULL,
  doctor_id INT NOT NULL,
  rating INT CHECK (rating BETWEEN 1 AND 5),
  comments TEXT,
   PRIMARY KEY(rating_id),
  FOREIGN KEY (patient_id) REFERENCES
patients(patient_id) ON DELETE CASCADE,
  FOREIGN KEY (doctor_id) REFERENCES doctors(doctor_id)
ON DELETE CASCADE
);
```

ERD Diagram


appointments
appointment_id
prescriptions
prescription_id serial
appointment_id int
med_id int
dosage varchar
instructions text
medications
med_id serial
name varchar
description text
appoinments
appoinment_id serial
patient_id int
doctor_id int
appoinment_d... timestamp
reason text
patients
patient_id serial
name varchar
patient_number varchar
insurance varchar
medical_history text
followup
followup_id serial
patient_id int
doctor_id int
date date
notes text
status varchar
doctors
doctor_id serial
name varchar
specialty varchar
doctor_number varchar
doctor_email varchar
service_rating
rating_id serial
patient_id int
doctor_id int
rating int
comments text