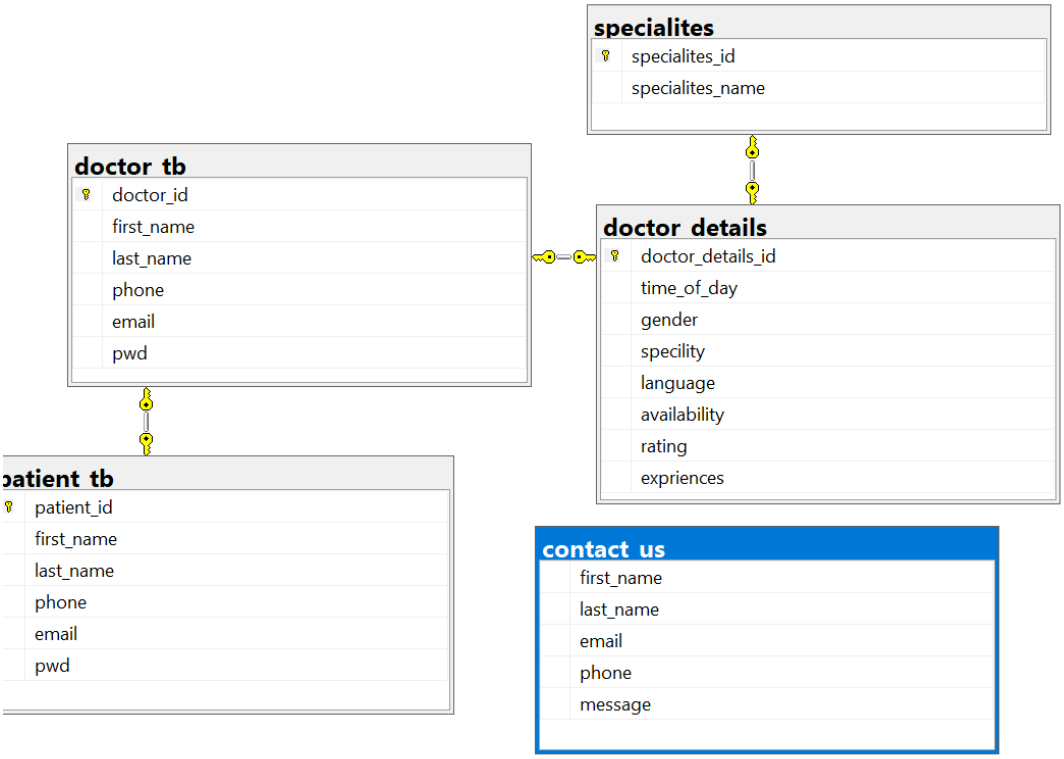
MySQL Script

```
CREATE DATABASE docplus_db;
USE docplus_db;

CREATE TABLE doctor_tb
(
        doctor_id INTEGER PRIMARY KEY,
        first_name VARCHAR(50) NOT NULL,
        last_name VARCHAR(50) NOT NULL,
        phone VARCHAR(15) NOT NULL,
        email VARCHAR(50) NOT NULL,
        pwd VARCHAR(100) NOT NULL
);

CREATE TABLE patient_tb
(
        patient_id INTEGER PRIMARY KEY,
        first_name VARCHAR(50) NOT NULL,
        last_name VARCHAR(50) NOT NULL,
        phone VARCHAR(15) NOT NULL,
        email VARCHAR(50) NOT NULL,
        pwd VARCHAR(100) NOT NULL,
        CONSTRAINT fk_doctor_tb FOREIGN KEY(patient_id)
        REFERENCES doctor_tb(doctor_id)
);

CREATE TABLE contact_us
(
        first_name VARCHAR(50) NOT NULL,
        last_name VARCHAR(50) NOT NULL,
        email VARCHAR(50) NOT NULL,
        phone VARCHAR(15) NOT NULL,
        message VARCHAR(500) NOT NULL
```

```
);


CREATE TABLE doctor_details
(
        doctor_details_id INTEGER PRIMARY KEY,
        time_of_day VARCHAR(50) NOT NULL,
        gender VARCHAR(50) NOT NULL,
        specility VARCHAR(15) NOT NULL,
        language VARCHAR(50) NOT NULL,
        availability VARCHAR(100) NOT NULL,
        rating INTEGER NOT NULL,
        expriences VARCHAR(100) NOT NULL,
       CONSTRAINT fk_dr_details FOREIGN KEY(doctor_details_id)
       REFERENCES doctor_tb(doctor_id)
);

CREATE TABLE specialites
(
        specialites_id INTEGER PRIMARY KEY,
        specialites_name VARCHAR(100) NOT NULL,
         CONSTRAINT fk_spe FOREIGN KEY(specialites_id)
         REFERENCES doctor_details(doctor_details_id)
);
```



Functional Dependency:

We can see here, 5 tables.

Each table have its own id.

1.doctor_tb:

In doctor_tb doctor name is functionally depends on doctor_id.

Ex. first_name ⟶ doctor_id

Similarly,

Every field of each table is depends on its id.

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