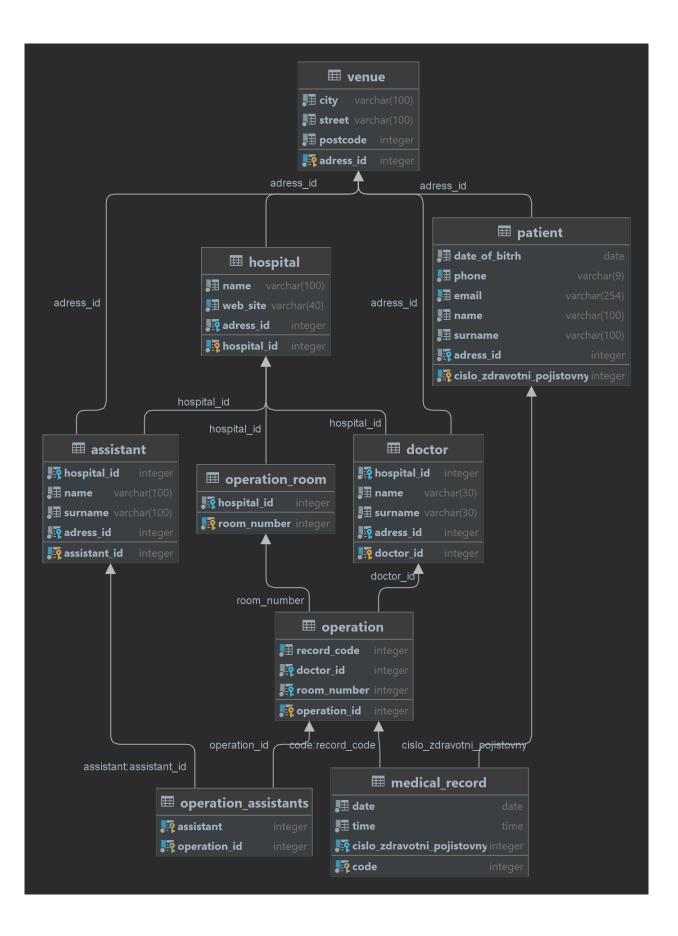
CP3 SQL ER MODEL



```
DROP TABLE IF EXISTS Operation room CASCADE;
DROP TABLE IF EXISTS operation CASCADE;
DROP TABLE IF EXISTS patient CASCADE;
DROP TABLE IF EXISTS venue CASCADE;
DROP TABLE IF EXISTS assistant CASCADE;
DROP TABLE IF EXISTS operation assistants CASCADE;
   CONSTRAINT hospital pk PRIMARY KEY (hospital id)
CREATE TABLE Operation room (
   CONSTRAINT Operation room pk PRIMARY KEY ( room number )
CREATE TABLE doctor (
CREATE TABLE operation (
CREATE TABLE medical record (
   date DATE NOT NULL,
```

```
CREATE TABLE patient (
   CONSTRAINT patient pk PRIMARY KEY
CREATE TABLE venue (
CREATE TABLE assistant (
   assistant id INTEGER NOT NULL,
CREATE TABLE operation assistants (
   CONSTRAINT operation assistants pk PRIMARY KEY (assistant
ALTER TABLE hospital ADD CONSTRAINT hospital fk0 FOREIGN KEY
( adress id ) REFERENCES venue ( adress id );
ALTER TABLE Operation room ADD CONSTRAINT Operation room fk0
ALTER TABLE doctor ADD CONSTRAINT doctor fk0 FOREIGN KEY (
ALTER TABLE doctor ADD CONSTRAINT doctor fk1 FOREIGN KEY (
ALTER TABLE operation ADD CONSTRAINT operation fk0 FOREIGN
```

```
ALTER TABLE operation ADD CONSTRAINT operation_fk1 FOREIGN
KEY ( room_number ) REFERENCES Operation_room ( room_number );

ALTER TABLE medical_record ADD CONSTRAINT medical_record_fk0
FOREIGN KEY (code) REFERENCES operation (record_code);

ALTER TABLE medical_record ADD CONSTRAINT medical_record_fk1
FOREIGN KEY ( cislo_zdravotni_pojistovny ) REFERENCES patient (
cislo_zdravotni_pojistovny );

ALTER TABLE patient ADD CONSTRAINT patient_fk0 FOREIGN KEY (
adress_id ) REFERENCES venue ( adress_id );

ALTER TABLE assistant ADD CONSTRAINT assistant_fk0 FOREIGN
KEY ( hospital_id ) REFERENCES hospital ( hospital_id );
ALTER TABLE assistant ADD CONSTRAINT assistant_fk1 FOREIGN
KEY ( adress_id ) REFERENCES venue ( adress_id );

ALTER TABLE operation_assistants ADD CONSTRAINT
operation_assistants_fk0 FOREIGN KEY ( assistant ) REFERENCES
assistant (assistant_id);
ALTER TABLE operation_assistants ADD CONSTRAINT
operation_assistants_fk1 FOREIGN KEY ( operation_id )
REFERENCES operation ( operation id );
```

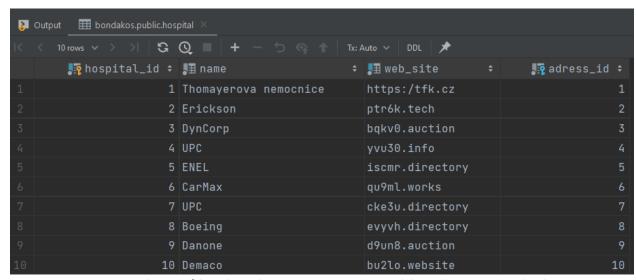
SQL requests to take data from database

1. Request to get data from table venue

```
SELECT adress_id,
city,
street,
postcode
FROM venue
```

< <	1-500 v of 501+ > >	<u> 2</u>	○ ↑ Tx: Auto ∨ DDL	
	驔 adress_id 🕏	.⊞ city ÷	.⊞ street ÷	.⊞ postcode ≎
1	1	Honolulu	St. Jamess Route	9153
2	2	Fort Lauderdale	Balfe Crossroad	6782
3	3	Lyon	Chatsworth Pass	37664
4	4	Escondido	Hampden Road	18918
5	5	Dallas	Howard Walk	44067
6	6	Kansas City	Coley Rue	86415
7	7	Lisbon	Angela Avenue	69615
8	8	Lakewood	Angel Street	16731
9	9	Long Beach	Union Walk	56599
10	10	Lyon	Timber Boulevard	5230

2. Hospital by address_id left join



3. Request on date of birth, where patients are elder than 23 and whom address_id is smaller than 5

```
SELECT *
FROM patient WHERE patient.date_of_bitrh < '2000-04-17'
AND adress_id < 5</pre>
```