# Tạo project, setting các thứ

Need to include corsheader and

# DataBase:

## User

- id : auto increment

- user\_id: small serial (NOT NULL primarikey)

- user\_name: vachar(50)

- email: varhar(50)

## Sensors

- id: big serial auto increment

- user \_id (foreign key)

- time: Bigseriral not null

- temperature: real

- humidity: real

- light: real

- dust: real

- sound: real

- red: smallserial

- green: smallserial

- blue: smallserial

- CO2: smalserial

- tvoc: smallserial

- motion: smallserial

# Connect Django to DataBase:

- Use psycopg2 library (install psycopg2)

- install corsheader

- Create model in Django

- Check set-up

DATABASES = {

    'default': {

        'ENGINE': 'django.db.backends.postgresql',

        'NAME': 'year3',

        'USER': 'quan',

        'PASSWORD': '1',

        'HOST': 'localhost',

        'PORT': '5432',

    }

}

- remember to migrate

If you want to fix bug with database, firstly delete the database in psql and then delete the file 0001\_initial.py in folder migrations in app.

## SETUP:

DATABASES = {

    'default': {

        'ENGINE': 'django.db.backends.postgresql',      #chage data base engine

        'NAME': 'sensors',

        'USER': 'year3',

        'PASSWORD': '1',

        'HOST': 'localhost',

        'PORT': '5432',

    }

}

>> INSERT INTO api\_sensor(time, temperature, humidity, light, dust, sound, red, green, blue, co2, tvoc, motion, id) VALUES(**1664527106,** 34.12, 87.34, 1234.5, 0, 0, 124, 124, 124, 345, 0, 0, 4)

# URL dispatcher