Django에서의 MVC와 Class based view

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과제 0 review

과제 0 review: learned

놀랍게도 우리는 이런 것들을 모두 배웠습니다!

Function based view와 Class based view

Models and admin sites

Serializations

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사전준비

[Docker 설치](#)

Postgresql docker 설치 및 실행

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목차

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1. SQL 기초

Why SQL?

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Why SQL?

상태를 저장하기 위해 데이터베이스가 필요
State persist
- SQL. Redis. NoSQL....

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읽을거리: Database should be ACID

[위키백과](#)

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실습: sql w3 schools

[링크](#)

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읽을거리: <u>Some of The Most Important SQL Commands</u>

- SELECT - extracts data from a database
- UPDATE - updates data in a database
- DELETE - deletes data from a database
- INSERT INTO - inserts new data into a database
- CREATE DATABASE - creates a new database
- ALTER DATABASE - modifies a database
- CREATE TABLE - creates a new table
- ALTER TABLE - modifies a table
- DROP TABLE - deletes a table

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읽을거리: DQL / DML / DDL

[링크](#)

DQL: Data Query Language. (SELECT)

DML: Data Manipulation Language. (INSERT, UPDATE, DELETE, ...)

DDL: Data Definition Language(CREATE TABLE, ...)

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실습: sql w3 schools

DML

SQL Where

SQL Update

SQL Delete

DDL

SQL Create Table

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읽을거리: ORM

여러분은 이 모든 걸 이미 사용하셨어요!

링크: **What is an ORM, how does it work, and how should I use one?**

읽을거리: Django migrations

- [링크](#)

- **migrate**, which is responsible for applying and unapplying migrations.
- **makemigrations**, which is responsible for creating new migrations based on the changes you have made to your models.
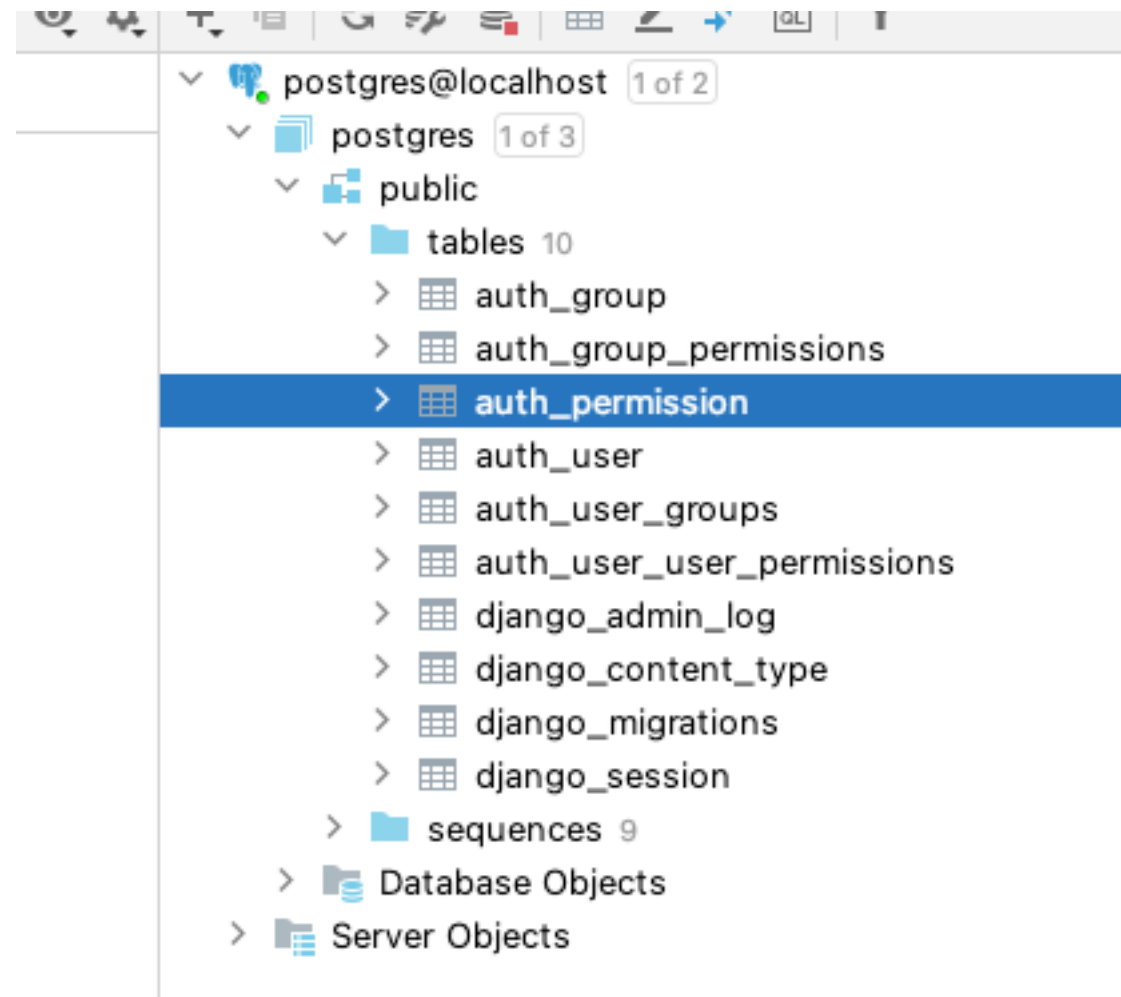
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실습: Pycharm으로 확인해보기

Startproject: waffle blog

Do Migrate

psycopg2 말고 psycopg2-binary 설치할 것!

세팅 참고

Apple Sillicon에서 알려진 이슈

실습: Pycharm으로 확인해보기

2. Models

참고: **[Django models](#)**

정의

A **model** is the single, definitive source of information about your data. It contains t<u>he essential fields</u> and <u>behaviors</u> of the data you're storing.
Generally, each model maps to a <u>single database table.</u>

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Settings 수정하기

Do this by editing your settings file and changing the **INSTALLED_APPS** setting to add the name of the module that contains your models.py.

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실습: Post modeling

Blog Post를 모델링 해보아요

    Settings 수정하기

    Migration 확인 후 db table 변경 확인하기

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Field options

null

If True, Django will store empty values as NULL in the
database. Default is False.

blank

If True, the field is allowed to be blank. Default is False.
Note that this is different than null. null is purely <u>database-
related</u>, whereas blank is <u>validation-related</u>. If a field
has blank=True, form validation will allow entry of an empty
value. If a field has blank=False, the field will be required.

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CharField null=True, blank=True

이 둘은 무슨 차이일까요?

```python
class Post(models.Model):
    title = models.CharField(max_length=100, blank=True)


class Post(models.Model):
    title = models.CharField(max_length=100, null=True)
```

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3. Why class based views?

Recap: 서버란 무엇일까요

request

response

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가장 간단한: Function based view

```python
def index(request):
    return HttpResponse("Hello, world. You're at the p.")
```

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실습: **Function based views로 ViewSet 만들기**

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읽을거리: FBV vs CBV

[Quora 질답](#)

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4. 블로그 API 만들기

Q&A

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