

Introductions

There are four entities in the service:

User

1. Name.
2. Surname.

Note

1. Title.
2. Body.
3. Creation Date.
4. User (creator).

Achievement

1. Title.
2. Condition of receipt (plain text).
3. Icon.

Advertisement

1. Title.
2. Description.
3. Image.
4. Link to the advertised resource.
5. Date of publication (equal to the date of creation, no delayed publication mechanism is needed).

Assignment

You need to design a personal feed consisting of the following types of events:

1. The user wrote the note A.
2. The user received achievement B.
3. Advertisement.

The user should not see the notes and achievements of another user. The client must

retrieve the feed with a single GET request:

1. Events must be sorted by time of creation.
2. The query must support pagination.
3. The query must support a header search.
4. The query must support filtering by event type, and the ads must be displayed under any filtering if they make it to the page.

The feed should contain the events of only one user whose ID is specified in the request. It is not necessary to make an authorization system to request the feed. You can leave AllowAny and pass the user ID for simplicity.

Tools

The task should be implemented in Django with the latest version. For GET-request use Django Rest Framework. PostgreSQL database.

Creation of users and achieves can be implemented through the mechanism of seeds. Enough 2-3 users and 1-2 achieves.

You can create a note, an ad, and give an achiever to a user through Django Admin.

It is not necessary to wrap the project in docker/docker-compose or similar tools. It is enough that it runs via runserver, migrations are executed, and there is a description of the environment variables that need to be filled in to run it.

A GET request can be made in postman or by connecting a swagger