

Backend

The demo project should be a REST API for a multi-user and multi-project work time tracking application using Django and Django Rest Framework. It should also contain business logic, not only the pure api code. Please write a few unit tests as a proof-of-concept (no complete coverage needed).

The demo task should include endpoints for authentication, managing projects (CRUD) and creating a time log for themselves (CRUD).

Users should be able to see the logs for all users involved in the same project. Creating/updating/deleting logs for others is not allowed.

Make sure to cover the following aspects:

- Pay attention to the database load and efficiency.
- Write readable and well-structured python code.
- Introduce a good architecture and follow reasonable best practices of your choice.
- Make sure to document your code wherever appropriate.
- Users should be able to see the logs for all users involved in the same project.
Creating/updating/deleting logs for others is not allowed.

The demo project should be created in a Git Repository (GitHub, GitLab or anything else is fine), please send me a link to it when you're done. There is no need for creating a UI or so, the API is enough. An sqlite database file does suffice.