

Backend Engineer - Task

API Development in Django/Python

Objective

Your task is to design and implement a set of APIs for a task management app using Django & Django Rest Framework that allows users to create tasks, assign tasks to users, and retrieve tasks assigned to specific users. The system should follow these requirements:

Requirements

1. API to create a task
 - Allows the creation of new tasks with a name and description.
2. API to assign a task to a user
 - Enables assigning a task to one or multiple users.
3. API to get tasks with their details for a specific user
 - Fetches all tasks assigned to a particular user.

Models

1. User: Represents a user in the system.
 - Fields: id, name, email, mobile, and other relevant fields.
2. Task: Represents a task in the system.
 - Fields: id, name, description, created_at, task_type, completed_at, status and other relevant fields.
 - A task can be assigned to multiple users, and a user can have multiple tasks.

Evaluation Parameters

- Overall Implementation: Proper structure, use of Django best practices, and adherence to requirements.
- Bug-Free: The API should work seamlessly without any issues or errors.
- Code Quality: Clean, maintainable, and readable code, including proper documentation and comments.

Deliverables

- A repository or zip file containing the Django project.
- A README file with instructions on setting up and running the project, sample API requests and responses, and test credentials.

Thank you and we look forward to your submission!