

Project: "Task Manager"

Overview:

The "Task Manager" web application allows users to register, log in, create tasks, view tasks, update them, and delete them. Each user should be able to manage their own tasks, while ensuring other users' tasks are private. The application will feature basic authentication and a custom user model with additional fields.

Project Requirements:

1. User Authentication & Authorization:

- Users should be able to register, log in, and log out.
- Each user should have their own account with a custom user model (e.g., adding extra fields like profile_picture, bio, etc.).
- Implement authentication (login, logout).
- Implement authorization so users can only see and modify their own tasks.

CRUD Operations for Tasks:

- **Create Task:** Users can create a task with details such as title, description, due date, priority (e.g., low, medium, high), and status (e.g., pending, in-progress, completed).
- **Read Task:** Users can view a list of their tasks and the details of each task.
- **Update Task:** Users can update the details of their tasks, such as the title, description, status, or due date.
- **Delete Task:** Users can delete tasks they've created.

Custom User Model:

- Use Django's custom user model for creating user accounts. You can extend the default AbstractBaseUser or AbstractUser class.
- Add additional fields like profile_picture, bio, etc.