

Task Management System

Task management system is basic CRUD application with simple implementation of clean architectural design. System registers two roles : User and Admin. Admin is responsible for creating and deleting tasks and user can edit them. System is not complexed but has big potential for upgrade and growth. From OpenApi it was used Brevo/SendInBlue when tasks assigned to particular user get deleted, completed or created.

Review on endpoints and authorization

Method	Endpoint	Description	Authorization
GET	/api/tasks	Get all tasks	NO
GET	/api/tasks/task-with-ssigneess/{id}	Get a task with its assignees	NO
GET	/api/tasks/{id}	Get a task by ID	NO
POST	/api/tasks	Create a new task	Admin
PUT	/api/tasks/{id}	Update a task	Admin, User
DELETE	/api/tasks/task/{id}	Delete a task	Admin

Brevo Email Notifications

The application uses **Brevo (Sendinblue) API** to send emails when tasks are:

- **Created**
- **Completed**
- **Deleted**

How Email Notifications Work

1. **When a task is created**, an email is sent to the assigned users.
2. **When a task is completed**, an email is sent to users who were assigned to a completed task.
3. **When a task is deleted**, an email notification is sent.

Backend project structure

