TASKS API

Create REST API that allows users to manage their Tasks.
Tasks can be organized into categories for easier management.
API should allow user authentication through basic HTTP authentication (username and password).

Entities

- Basic user info (name, Email , password) should be stored in the database.
- Users own multiple categories that can be named.
- Categories contain multiple tasks.
- Tasks can be shared (visible to all users and unauthenticated viewers) or private (visible only to the creator).
- Tasks can be of 2 different types
  - Text task - has text body
  - List Task - has list items that contain text body.

API

- Should support CRUD actions for all categories
- Should support CRUD actions for all Tasks
- Implement at least 2 out of 3
  - Pagination
  - Filtering
    - By Category Name
    - By task shared option (Public/Private)
  - Sorting
    - By Category Name
    - By task shared option (Public/Private)

You can use any programming language/framework for REST API.
All data should be saved in database of your choice.
No frontend is needed, only API.