Recipe Api

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Recipe API

# Github Repo Link

<https://github.com/vaangis93/project_recipe_api>

# Description

I want to create an API to manage and share the recipes I’ve developed and collected over the years. The primary goal is to have an admin interface where I can read, create, and modify recipes. Additionally, I plan to implement roles based access control, allowing more restricted access for other users. For example, the public can view the recipes but won’t be able to edit or add new ones. Over time, I aim to expand the API’s functionality by incorporating more advanced features, such as enhanced visual elements and detailed descriptions. However, for now, the focus is on building a simple, functional API that will allow me to easily store my recipes and share them with coworkers and others.

# Documenting Endpoints

## Endpoints

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Method | URL | Request Body (JSON) | Response (JSON) | Error (e) |
| GET | /api/recipes |  | [recipe, recipe, …](1) | (e1) |
| GET | /api/recipes/{id} |  | Recipe (1) | (e1) |
| POST | /api/admin/recipes | recipe(1)  without id |  | (e2) if wrong user-role |
| UPDATE | /api/admin/recipes | recipe(1)  without id | recipe (1) | (e2) if wrong user-role |
| UPDATE | /api/admin/recipes/{id} | recipe(1)  without id | Recipe (1) | (e2) if wrong user-role |
| DELETE | /api/admin/recipes/{id} | recipe(1)  without id |  | (e2) if wrong user-role |
| GET | /api/users |  | [user, user, ...](2) | (e1) |
| GET | /api/users/{id} |  | user (2) | (e1) |
| POST | /api/users | user(2) without id |  | (e3) |
| UPDATE | /api/users/{id} | user(2) without id | user (2) |  |
| DELETE | /api/admin/users/{id} | user(2) without id |  | (e2) if wrong user-role |

## Request Body and Response Formats

#### 

1. Recipe format (Json) (No ID provided for POST):

{

"id": Number,  
 "title": String,  
 "IngredientsInGrams": String,  
 "description": String,  
 " difficulty ": String (Enum)

" createdBy ": User  
 }

1. User format (Json) (No ID provided for POST):

{

"id": Number,  
 "name": String,  
 "password": String,  
 "roles": [“ADMIN” , “REGULAR”

]   
 }

## 

## Errors

(e) All errors are reported using this format (with the HTTP-status code matching the number)

{ status : statusCode, "msg": "Explains the problem" }

* (e1) : { status : 404, "msg": "No content found for this request" }
* (e2): {status : **401 “msg” : Unauthorized:** Authentication is required, and it has either failed or has not been provided.}
* (e3) : { status : 400, "msg": "Field ‘xxx’ is required" } (for example, no name provided)