NoteMark API Milestone #2

This will serve as a documentation for all the API endpoints needed to build NoteMark milestone #2. Please note that this API has been written with care, however if you still find some kind of bug, it would be appreciated if you could report it in Discord.

The base URL for the NoteMark API is https://notemark.pl-coding.com

Rate Limiting

To prevent misuse, the API has a rate limit of **400 requests/hour.** Once that limit is reached, the API will respond with 429 Too Many Requests.

Routes

Changed: Login route

Logging in will now respond with the username of the logged in user additionally:

```
{
    "accessToken": "<token>",
    "refreshToken": "<token>",
    "username": "test"
}
```

Create Note

Endpoint: `/api/notes`

Method: POST

Description: Creates a new note

Request body:

```
{
    "id": "<id>" (UUID String),
    "title": "<title>" (String),
    "content": "<content>" (String),
    "createdAt": "<created at timestamp>" (ISO 8601 String),
    "lastEditedAt": "<last edited at timestamp>" (ISO 8601 String)
}
```

Successful response:

```
{
    "id": "<id>" (UUID String),
    "title": "<title>" (String),
    "content": "<content>" (String),
    "createdAt": "<created at timestamp>" (ISO 8601 String),
    "lastEditedAt": "<last edited at timestamp>" (ISO 8601 String)
}
```

Update Note

Endpoint: `/api/notes`

Method: PUT

Description: Updates an existing note

Request body:

```
{
    "id": "<id>" (UUID String),
    "title": "<title>" (String),
    "content": "<content>" (String),
    "createdAt": "<created at timestamp>" (ISO 8601 String),
```

```
    "lastEditedAt": "<last edited at timestamp>" (ISO 8601 String)
}
```

Successful login response:

```
{
    "id": "<id>" (UUID String),
    "title": "<title>" (String),
    "content": "<content>" (String),
    "createdAt": "<created at timestamp>" (ISO 8601 String),
    "lastEditedAt": "<last edited at timestamp>" (ISO 8601 String)
}
```

Get Notes

Endpoint: `/api/notes`

Method: GET

Description: Retrieve a paginated list of notes. Supports pagination via page and size query parameters.

Query parameters:

`page` : The page number to retrieve (starting from 0). If page is set to -1, all notes are returned in a single response.

`size` : The number of notes to retrieve per page. Only relevant if page is 0 or higher.

Response:

```
{
    "notes": [
        {
            "id": "<id>" (UUID String),
            "title": "<title>" (String),
            "content": "<content>" (String),
            "createdAt": "<created at timestamp>" (ISO 8601 String),
```

```
            "lastEditedAt": "<last edited at timestamp>" (ISO 8601 String)
        },
        {
            "id": "<id>" (UUID String),
            "title": "<title>" (String),
            "content": "<content>" (String),
            "createdAt": "<created at timestamp>" (ISO 8601 String),
            "lastEditedAt": "<last edited at timestamp>" (ISO 8601 String)
        }
    ],
    "total": "<total number of notes>" (Integer)
}
```

Delete Note

Endpoint: `/api/notes/{id}`

Method: DELETE

Description: Deletes an existing note by its `id`

Path parameters: `id` of the note to delete

Error Codes

The HTTP status codes can tell you a lot about what went wrong with a request. The NoteMark API sticks to common conventions for these status codes - here some examples and what they mean:

HTTP 400 Bad Request

Returned when something about your request is not in the right format. You may be missing a mandatory request parameter or the JSON structure of your request body is not in the format the server expects (e.g. due to a typo in the keys). Simply double check your request with these API docs.

HTTP 401 Unauthorized

This simply says that authentication was not successful. Depending on the context, this can mean the provided email/password combination is incorrect or that your attached access token is not valid (anymore).

HTTP 405 Method Not Allowed

This means you're using the wrong HTTP method, for example a POST request to an endpoint that expected a GET request.

HTTP 409 Conflict

Your request itself was valid, but it led to a server-side conflict. This could be returned for example if you try to register with an email that already exists or if you try to insert an item with an ID that already exists.

HTTP 429 Too Many Requests

You've hit the rate limit of 400 requests per hour. Simply wait a bit and try again 🙂

Further Resources

JWT Token Playground

URL: https://jwt.io/

Description: This website can help you to understand JWTs a bit better and how they store information about the logged in user.