**Notes API (v1)**

**Base URL:** **Notes**

* **GET /notes**
  + Description: Retrieves all notes.
  + Response: JSON array of notes with status 200.
* **GET /notes/:id**
  + Description: Retrieves a single note by ID.
  + Parameters: **id** (int) - ID of the note.
  + Response: JSON object of note with status 200, or error message.
* **GET /notes/getLast**
  + Description: Retrieves the most recently created note.
  + Response: JSON object of the last note with status 200.
* **GET /notes/showByUser**
  + Description: Retrieves notes for a specific user.
  + Parameters: **user\_id** (int) - ID of the user.
  + Response: JSON array of user's notes with status 200, or error message.
* **POST /notes**
  + Description: Creates a new note.
  + Request Body: **note** (object) with **title**, **content**, **user\_id**, **is\_shared**.
  + Response: JSON object of the created note with status 200, or error message.
* **PUT /notes/:id**
  + Description: Updates a specific note.
  + Parameters: **id** (int) - ID of the note.
  + Request Body: Fields to update (**title**, **content**, **user\_id**, **is\_shared**).
  + Response: Success message or error message.
* **DELETE /notes/:id**
  + Description: Deletes a specific note.
  + Parameters: **id** (int) - ID of the note.
  + Response: Success message or error message.

**Users API (v2)**

**Base URL:** **Users**

* **GET /users**
  + Description: Retrieves all users.
  + Response: JSON array of users with status 200.
* **GET /users/:id**
  + Description: Retrieves a single user by ID.
  + Parameters: **id** (int) - ID of the user.
  + Response: JSON object of user with status 200, or error message.
* **GET /users/getByName**
  + Description: Retrieves a user by name.
  + Parameters: **name** (string) - Name of the user.
  + Response: JSON object of user with status 200, or error message.
* **POST /users**
  + Description: Creates a new user.
  + Request Body: **user** (object) with **name**, **surname**, **admin**, **is\_enabled**, **hash**.
  + Response: JSON object of the created user with status 200, or error message.
* **PUT /users/:id**
  + Description: Updates a specific user.
  + Parameters: **id** (int) - ID of the user.
  + Request Body: Fields to update (**name**, **surname**, **admin**, **is\_enabled**, **hash**).
  + Response: Success message or error message.
* **DELETE /users/:id**
  + Description: Deletes a specific user.
  + Parameters: **id** (int) - ID of the user.
  + Response: Success message or error message.

**Collections API (v3)**

**Base URL:** **Collections**

* **GET /collections**
  + Description: Retrieves all collections.
  + Response: JSON array of collections with status 200.
* **GET /collections/:id**
  + Description: Retrieves a single collection by ID.
  + Parameters: **id** (int) - ID of the collection.
  + Response: JSON object of collection with status 200, or error message.
* **GET /collections/showByUser**
  + Description: Retrieves collections for a specific user.
  + Parameters: **id\_user** (int) - ID of the user.
  + Response: JSON array of user's collections with status 200, or error message.
* **POST /collections**
  + Description: Creates a new collection.
  + Request Body: **collection** (object) with **description**, **id\_user**.
  + Response: JSON object of the created collection with status 200, or error message.
* **PUT /collections/:id**
  + Description: Updates a specific collection.
  + Parameters: **id** (int) - ID of the collection.
  + Request Body: Fields to update (**description**, **id\_user**).
  + Response: Success message or error message.
* **DELETE /collections/:id**
  + Description: Deletes a specific collection.
  + Parameters: **id** (int) - ID of the collection.
  + Response: Success message or error message.