**ENDPOINT API**

*Base URL:* <http://localhost:8080/api/>

**1. Categories**

* **GET:** /categories/
  + *Description:* Retrieve all categories along with documents belonging to each category.
* **POST:** /categories/
  + *Description:* Add a new category.
  + *Request Body:*
    - name
    - summary
    - icon
* **GET:** /categories/{id}
  + *Description:* Retrieve a category by its ID.
* **PUT:** /categories/{id}
  + *Description:* Update a category by its ID.
  + *Request Body:*
    - name
    - summary
    - icon
* **DELETE:** /categories/{id}
  + *Description:* Delete a category by its ID.

**2. User**

* **POST:** /login (This endpoint does not include the API in the base url)
  + *Description:* User login.
  + *Request Body:*
    - login
    - password
  + *Response:*
    - id
    - lastname
    - firstname
    - login
    - TOKEN
* **POST:** /register (This endpoint does not include the API in the base url)
  + *Description:* Register a new user.
  + *Request Body:*
    - firstName
    - lastName
    - login
    - password
  + *Response:*
    - id
    - lastname
    - firstname
    - login
    - TOKEN
* **GET:** /users
  + *Description:* Retrieve all users.
* **GET:** /users/{ID}
  + *Description:* Retrieve a user by ID.
* **PUT:** /users/{ID}
  + *Description:* Update user information by ID.
  + *Request Body:*
    - firstName
    - lastName
    - login
    - role
* **GET:** /users/{id}/is-admin
  + *Description:* Check admin rights of a user.

**3. Document**

* **GET:** /document/
  + *Description:* Retrieve all documents.
* **POST:** /document/
  + *Description:* Add a new document.
  + *Request Body:*
    - title
    - summary
    - filePath
    - thumb
    - content
    - user\_id
    - category\_id
* **GET:** /document/{id}
  + *Description:* Retrieve a document by its ID.
* **PUT:** /document/{id}
  + *Description:* Update a document by its ID.
  + *Request Body:*
    - title
    - summary
    - filePath
    - thumb
    - content
    - user\_id
    - category\_id
* **DELETE:** /document/{id}
  + *Description:* Delete a document by its ID.
* **GET:** /document/search
  + *Description:* Search for documents.
  + *Query Parameter:* 's' (search term)
* **GET:** /document/{id}/related
  + *Description:* Retrieve related documents for a given document ID.
* **PUT:** /approve/{id}
  + *Description:* Approve a document by its ID.

**4. Collection**

* **GET:** /collection/
  + *Description:* Retrieve all collections along with documents belonging to each collection.
* **POST:** /collection/
  + *Description:* Create a new collection.
  + *Request Body:*
    - name
    - thumb
* **GET:** /collection/{id}
  + *Description:* Retrieve a collection by its ID.
* **PUT:** /collection/{id}
  + *Description:* Update a collection by its ID.
  + *Request Body:*
    - name
* **DELETE:** /collection/{id}
  + *Description:* Delete a collection by its ID.

**5. CollectionDetail**

* **POST:** /detail/{collection\_id}
  + *Description:* Add a document to a collection with the specified ID.
  + *Request Body:*
    - document\_id (ID of the document to be added)
* **DELETE:** /detail/{id}
  + *Description:* Remove a document from its associated collection.
  + *Path Parameter:* {id} (ID of the collection detail)

**6. Review**

* **GET:** /review/
  + *Description:* Retrieve all reviews.
  + *Query Parameter:* doc (ID of the document for which reviews are to be retrieved)
* **POST:** /review/{document\_id}
  + *Description:* Add a review for the document with the specified ID.
  + *Request Body:*
    - name
    - email
    - content
* **PUT:** /review/{id}
  + *Description:* Update a review by its ID.
  + *Request Body:*
    - name
    - email
    - content
* **DELETE:** /review/{id}
  + *Description:* Delete a review by its ID.