API DOCUMENTATION

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User Authentication

Login

Route

```
POST  v  http://localhost:8000/api/login                    Send
```
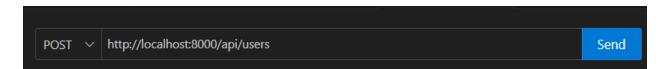
- Logs the user in with their email and password and returns an authorization token to allow use of the other routes in the API.

Output

```
{
  "user": {
    "id": 2,
    "name": "ab",
    "email": "johnab.doe@example.com",
    "email_verified_at": null,
    "created_at": "2024-12-14T14:09:33.000000Z",
    "updated_at": "2024-12-14T14:09:33.000000Z"
  },
  "token": "14|JCAyL2DTQWeQaUuuyp6pHQuqFcNr7jyXKbIUFWhga60fe11c"
}
```

User Creation

Route

POST   http://localhost:8000/api/users   Send

- Creates an user with an uniquely identified email, a name and an at least 8 character long password.

Body


```json
{
    "name": "Johna D",
    "email":"johnab.doe@exampler.com",
    "password":"12345678"
}
```

Output

Status: 201 Created   Size: 192 Bytes   Time: 337 ms

Response   Headers 7   Cookies   Results   Docs

```json
{
    "message": "User created successfully",
    "user": {
        "name": "Johna D",
        "email": "johnab.doe@exampler.com",
        "updated_at": "2024-12-14T14:53:24.000000Z",
        "created_at": "2024-12-14T14:53:24.000000Z",
        "id": 5
    }
}
```

Books

Get all books

Route (GET)

- Gets all the books in the database

Output

```json
[
  {
    "book_id": 1,
    "name": "Harry Potter and the Sorcerer's Stone",
    "description": "A young boy discovers he is a wizard and attends a magical school.",
    "isbn": "9780747532699",
    "author_id": 1,
    "genre_id": 1,
    "created_at": null,
    "updated_at": "2024-12-14T12:21:54.000000Z",
    "borrowed": 0,
    "author": {
      "author_id": 1,
      "name": "J.K. Rowling",
      "created_at": null,
      "updated_at": null
    },
    "genre": {
      "genre_id": 1,
      "name": "Fantasy",
      "created_at": null,
      "updated_at": null
    }
  },
  {
    "book_id": 2,
    "name": "A Game of Thrones",
    "description": "The first book in the A Song of Ice and Fire series, focusing on
        political intrigue and power struggles.",
    "isbn": "9780553103540",
    "author_id": 2,
    "genre_id": 1,
    "created_at": null,
```

Show specific book

Route (GET)

- Shows a specific book based on the book id

Output

```
1   {
2     "book_id": 1,
3     "name": "Harry Potter and the Sorcerer's Stone",
4     "description": "A young boy discovers he is a wizard and attends a magical school.",
5     "isbn": "9780747532699",
6     "author_id": 1,
7     "genre_id": 1,
8     "created_at": null,
9     "updated_at": "2024-12-14T12:21:54.000000Z",
10    "borrowed": 0,
11    "author": {
12      "author_id": 1,
13      "name": "J.K. Rowling",
14      "created_at": null,
15      "updated_at": null
16    },
17    "genre": {
18      "genre_id": 1,
19      "name": "Fantasy",
20      "created_at": null,
21      "updated_at": null
22    }
23  }
```

Create New Book

Route (POST)

- Creates a new book when provided with a name, description, isbn, the author id and the genre id

Body

```json
{
    "name": "Stormlight Archives",
    "description": "Fantasy Novel",
    "isbn": "3215932863214",
    "author_id": 1,
    "genre_id": 1
}
```

Output

Status: 201 Created   Size: 208 Bytes   Time: 152 ms

Response   Headers 7   Cookies   Results   Docs

```json
{
    "name": "Stormlight Archives",
    "description": "Fantasy Novel",
    "isbn": "3215932863214",
    "author_id": 1,
    "genre_id": 1,
    "updated_at": "2024-12-14T15:01:21.000000Z",
    "created_at": "2024-12-14T15:01:21.000000Z",
    "book_id": 7
}
```

Update Existing Book

Route (PUT)


```
PUT  ∨  http://localhost:8000/api/books/7                    Send
```

- Updates an existing books name, isbn, description, author or genre details.

Body


```
JSON Content                                              Format
1   {
2       "name": "Stormlight Archives II"
3   }
```
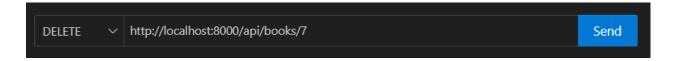
Output


```
Response    Headers 7    Cookies    Results    Docs
1 ∨ {
2       "book_id": 7,
3       "name": "Stormlight Archives II",
4       "description": "Fantasy Novel",
```

Delete Existing Book

Route (DELETE)

- Delete an existing book when provided with its book id.

Output