Section API

Request

GET	/api/section

Response

200	```[{ "section_id": 1, "section_name": "Fiction", "section_date_created": "12-03-2024, 08:22:26.539351", "section_description": "Fiction is any creative" }, { ... }]```
404	"No Sections found"
500	"Internal Server Error"

Request

POST	/api/section

```
{
    "section_name": "SectionAPI",
    "section_description": "This section is created using API"
}
```

Response

201	```{ "section_id": 5, "section_name": "SectionAPI", "section_date_created": "28-03-2024, 12:53:37.468655", "section_description": "This section is created using API" }```
400	"Section Name is required"
409	"Section already exists"
500	"Internal Server Error"

Request

GET	/api/section/<int:id>

Response

| 200 | ```json
{
    "section_id": 5,
    "section_name": "SectionAPI1",
    "section_date_created": "28-03-2024, 12:53:37.468655",
    "section_description": "This section is created using API"
}
``` |
|-----|------|
| 404 | "No Sections found" |
| 500 | "Internal Server Error" |

Request

PUT	/api/section/<int:id>
| ```json
{
    "section_name": "SectionAPI",
    "section_description": "This section Updated using API"
}
``` | |

Response

| 200 | ```json
{
    "section_id": 5,
    "section_name": "SectionAPI",
    "section_date_created": "28-03-2024, 12:53:37.468655",
    "section_description": " This section Updated using API"
}
``` |
|-----|------|
400	"Section Name is required"
404	"Section not found"
409	"Section already exists"
500	"Internal Server Error"

Request

DELETE	/api/section/<int:id>

Response

200	"Section Deleted Successfully"
404	"Section not found"
500	"Internal Server Error"

Book API

Request

GET	/api/book

Response

200	```
	[
	    {
	        "book_id": 1,
	        "book_title": "The Alchemist",
	        "book_author": "Paulo Coelho",
	        "book_section_id": 1,
	        "book_price": 149.0,
	        "book_date_added": "12-03-2024, 08:24:29.301561",
	        "book_content": "An Andalusian shepherd boy named..."
	    },
	    {
	        ...
	    }
	]
	``

404	"No Books found"
500	"Internal Server Error"

Request

POST	/api/book

```
{
    "book_title": "BookAPI",
    "book_author": "Author",
    "book_section_id": 5,
    "book_price": 149.0,
    "book_content": "Created using API"
}
```

Response

201	```
	{
	    "book_id": 10,
	    "book_title": "BookAPI",
	    "book_author": "Author",
	    "book_section_id": 5,
	    "book_price": 149.0,
	    "book_date_added": "28-03-2024, 17:14:13.980997",
	    "book_content": "Created using API"
	}
	``

400	"Book Title is required" Or

	"Book Author is required" Or "Section ID is required" Or "Book Price is required" Or "Book Content is required" Or "Invalid Section ID" Or "Invalid Book Price"
404	"Section not found"
500	"Internal Server Error"

Request

GET	/api/book/<int:id>

Response

200	`{`
	      `"book_id": 1,`
	      `"book_title": "The Alchemist",`
	      `"book_author": "Paulo Coelho",`
	      `"book_section_id": 1,`
	      `"book_price": 149.0,`
	      `"book_date_added": "12-03-2024, 08:24:29.301561",`
	      `"book_content": "An Andalusian shepherd boy named..."`
	`}`

404	"Book not found"
500	"Internal Server Error"

Request

PUT	/api/book/<int:id>

```
{
  "book_title": "BookAPI",
  "book_author": "Author",
  "book_section_id": 5,
  "book_price": 100,
  "book_content": "Updated using API."
}
```

Response

200	`{`
	    `"book_id": 10,`
	    `"book_title": "BookAPI",`
	    `"book_author": "Author",`
	    `"book_section_id": 5,`
	    `"book_price": 100.0,`
	    `"book_date_added": "28-03-2024, 17:14:13.980997",`
	    `"book_content": " Updated using API."`

	}
400	"Book Title is required" Or "Book Author is required" Or "Section ID is required" Or "Book Price is required" Or "Book Content is required" Or "Invalid Section ID" Or "Invalid Book Price"
404	"Book not found" Or "Section not found"
500	"Internal Server Error"

Request

DELETE	/api/book/<int:id>

Response

200	"Book Deleted Successfully"
404	"Book not found"
500	"Internal Server Error"

Stats API

Request

GET	/api/stats

Response

<table>
<tr>
<td>200</td>
<td>

```json
{
    "count": {
        "Users": 4,
        "Books": 10,
        "Requests": 2,
        "Borrows": 3
    },
    "book_per_sec": {
        "Fiction": 4,
        "Self-help book": 3,
        "Biography": 2,
        "SectionAPI": 0,
        "SectionAPI1": 1
    },
    "avg_rating": {
        "Fiction": 0,
        "Self-help book": 0,
        "Biography": 0,
        "SectionAPI1": 0
    }
}
```

</td>
</tr>
<tr>
<td>500</td>
<td>"Internal Server Error"</td>
</tr>
</table>