

Library Management System API

Overview

An ASP.NET Core Web API for managing books in a library.

Paths

GET /api/books Lists All Books.

Sample request:

```
GET /api/books
```

Responses

Code	Description	Links
200	Returns a list of books <i>Content</i> application/json	No Links
500	If there is an internal server error	No Links

POST /api/books Creates a Book.

Sample request:

```
POST /api/books
{
  "title": "Sample Book",
  "author": "Sample Author",
  "description": "Sample Description",
}
```

Responses

Code	Description	Links
201	Returns the newly created book <i>Content</i> application/json	No Links

Code	Description	Links
400	If the book is null <i>Content</i> application/json	No Links
409	If there is a conflict in the database <i>Content</i> application/json	No Links
500	If there is an internal server error	No Links

GET /api/books/{id} Finds a Book by Id.

Sample request:

```
GET /api/books/{id}
```

Parameters

Type	Name	Description	Schema
path	id <i>required</i>	The Id of the book to find (from the URL).	integer (int64)

Responses

Code	Description	Links
200	Returns a book <i>Content</i> application/json	No Links
400	If there is a bad request or validation errors <i>Content</i> application/json	No Links
404	If the book is not found <i>Content</i> application/json	No Links
500	If there is an internal server error	No Links

***PUT* /api/books/{id} Updates a Book.**

Sample request:

```
PUT /api/books/{id}
{
  "title": "Sample Update Book",
  "author": "Sample Update Author",
  "description": "Sample Update Description",
}
```

Parameters

Type	Name	Description	Schema
path	id <i>required</i>	The Id of the book to update (from the URL).	integer (int64)

Responses

Code	Description	Links
204	Returns no content	No Links
400	If there is a validation error <i>Content</i> application/json	No Links
404	If the book is not found <i>Content</i> application/json	No Links
500	If there is an internal server error	No Links

***DELETE* /api/books/{id} Deletes a Book.**

Sample request:

```
DELETE /api/books/{id}
```

Parameters

Type	Name	Description	Schema
path	id <i>required</i>	The Id of the book to delete (from the URL).	integer (int64)

Responses

Code	Description	Links
204	Returns no content	No Links
404	If the book is not found <i>Content</i> application/json	No Links
500	If there is an internal server error	No Links

Components

Schemas

Book

Properties

Name	Description	Schema
id <i>optional</i>		integer (int64)
title <i>required</i>	Maximum Length: 150 Minimum Length: 0	string
author <i>required</i>	Maximum Length: 100 Minimum Length: 0	string
description <i>required</i>	Maximum Length: 250 Minimum Length: 0	string

ProblemDetails

Properties

Name	Description	Schema
type <i>optional</i>		string
title <i>optional</i>		string
status <i>optional</i>		integer (int32)
detail <i>optional</i>		string
instance <i>optional</i>		string