Bookyard API

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FastAPI application for Bookyard

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API Endpoints

GET /

Summary: Root

Description:
Root endpoint.

Responses:

Status Code	Description
200	Successful Response

GET /api/books

Summary: List Books

Description:
List all books with pagination.

Args:
skip: Number of books to skip (default: 0)
limit: Maximum number of books to return (default: 10)

Returns:
List[Book]: List of books

Parameters:

Name	Type	Required	Description
skip	integer	No	
limit	integer	No	

Responses:

Status Code	Description
200	Successful Response
404	Not found
422	Validation Error

POST /api/books

Summary: Create Book

Description:
Create a new book.

Args:
book: BookCreate model with book details

Returns:
Book: Created book with ID

Request Body:

Status: Required

```
Content-Type: application/json
```

Responses:

Status Code	Description
201	Successful Response
404	Not found
422	Validation Error

GET /api/books/{book_id}

Summary: Get Book

Description:
Get a specific book by ID.

Args:
book_id: ID of the book

Returns:
Book: Book details

Raises:
HTTPException: 404 if book not found

Parameters:

Name	Type	Required	Description
book_id	integer	Yes	

Responses:

Status Code	Description
200	Successful Response
404	Not found

422	Validation Error

PUT /api/books/{book_id}

Summary: Update Book

Description:
Update a specific book.

Args:
book_id: ID of the book
book_update: Fields to update

Returns:
Book: Updated book details

Raises:
HTTPException: 404 if book not found

Parameters:

Name	Type	Required	Description
book_id	integer	Yes	

Request Body:

Status: Required

```
Content-Type: application/json
```

Responses:

Status Code	Description
200	Successful Response
404	Not found
422	Validation Error

DELETE /api/books/{book_id}

Summary: Delete Book

Description:
Delete a specific book.

Args:
book_id: ID of the book

Raises:
HTTPException: 404 if book not found

Parameters:

Name	Type	Required	Description
book_id	integer	Yes	

Responses:

Status Code	Description
204	Successful Response
404	Not found
422	Validation Error

GET /health

Summary: Health Check

Description:
Health check endpoint.

Returns:
HealthResponse: Status, timestamp, and API version

Responses:

Status Code	Description
200	Successful Response

Data Models

Book

Complete book model with ID.

Property	Type	Required	Description
title	string	Yes	Title
author	string	Yes	Author
isbn	multiple types	No	Isbn
description	multiple types	No	Description
published_year	multiple types	No	Published Year
pages	multiple types	No	Pages
id	integer	Yes	Id
created_at	string	Yes	Created At
updated_at	string	Yes	Updated At

BookCreate

Model for creating a new book.

Property	Type	Required	Description
title	string	Yes	Title
author	string	Yes	Author
isbn	multiple types	No	Isbn
description	multiple types	No	Description
published_year	multiple types	No	Published Year
pages	multiple types	No	Pages

BookUpdate

Model for updating a book.

Property	Type	Required	Description
title	multiple types	No	Title
author	multiple types	No	Author
isbn	multiple types	No	Isbn
description	multiple types	No	Description
published_year	multiple types	No	Published Year
pages	multiple types	No	Pages

HTTPValidationError

Property	Type	Required	Description
detail	array	No	Detail

HealthResponse

Health check response model.

Property	Type	Required	Description
status	string	Yes	Status
timestamp	string	Yes	Timestamp
version	string	Yes	Version

Message

Generic message response model.

Property	Type	Required	Description
message	string	Yes	Message

ValidationError

Property	Type	Required	Description
loc	array	Yes	Location
msg	string	Yes	Message
type	string	Yes	Error Type