

BOOK MANAGEMENT API

How to Run the Project

Prerequisites

- Node.js: Ensure you have Node.js installed. You can download it from [here](#).
- NestJS CLI: Install the NestJS CLI globally by running

```
npm install -g @nestjs/cli
```

Running the Application

To start the NestJS application in development mode, run:

```
npm run start:dev
```

The application will start on `http://localhost:3000`

API Endpoints

Here is a brief overview of the API endpoints available in the Books module(All Requests were made and tested in Postman, file is located in the folder, named "books API.postman_collection")

GET /books

- Description: Fetch all books.
- Request: No request body required.
- Response:

```
[  
  
  {  
  
    "id": 1,  
  
    "title": "1984",  
    "Author" : "George Orwell",  
    "year": 1949  
  }  
]
```

GET /books/:id

- Description: Fetch a single book by ID.
- Request: No request body required.
- Response:

```
{  
  
  "id": 1,  
  "title": "1984",  
  "author": "George Orwell",  
  "year": 1949  
  
}
```

POST /books

- Description: Create a new book.
- Response:

```
{
  "title": "1984 ",
  "author": "George Orwell",
  "year": 1949
}
```

- Response:

```
{
  "id" :1,
  "Title" : "1984",
  "Author" : "George Orwell",
  "Year": 1949
}
```

PUT /books/:id

- Description: Update an existing book by ID.
- Request:

```
{
  "title": "Animal Farm",
  "author": "George Orwell",
  "year": 1945
}
```

- Response:

```
{
  "id": 1,
  "title": "Animal Farm",
  "author": "George Orwell",
  "year": 1945
}
```

-

DELETE /books/:id

- Description: Delete a book by ID.

- Request: No request body required.
- Response: No content.