E-Commerce Book Store API Documentation

Introduction

This API provides endpoints for managing users, books, carts, orders, and reviews for an online book store.

Authentication & Authorization

- Users must **register and login** to access protected endpoints.
- **Admins** have elevated permissions to manage users and books.
- API uses **JWT-based authentication** for secure access.

Origin: http://localhost:3000

1. Users API

Endpoint	Description	Request Body	Response Body
POST /users/register	Registers a new user and provides a token.	- user data	- status - data - token
POST /users/login	Logs in a user and provides a token.	- email - password	- status - data - token
POST /users/logout	Logs out a user by invalidating the token.		- status
PATCH /users/:id	Updates user profile data.	- new data	- status - data - new data
GET /users?page=x&limit=y	Retrieves a paginated list of users. (Admins Only)		- status - data - users data
GET /users/:id	Retrieves user details by ID.		- status - data - user data
GET /users/:id/reviews	Retrieves user review history.		- status - data - user reviews
GET /users/:id/orders	Retrieves user order history.		- status - data - user orders

2. Books API

Endpoint	Description	Request Body	Response Body
POST /books	Adds a new book to the store. (Admins Only)	- book data	- status
GET /books?page=x&limit=y	Retrieves a paginated list of books.		- status - data - books data
GET /books/:id	Retrieves details of a book.		- status - data - book data
GET /books/:id/reviews	Retrieves reviews of a book.		- status - data - book reviews
PATCH /books/:id	Updates book data. (Admins Only)	- new data	- status - data - new data
DELETE /books/:id	Removes a book from the store. (Admins Only)		- status

3. Cart API

Endpoint	Description	Request Body	Response Body
POST /cart	Add Book to Cart.	- book data	- status - data - cart content
DELETE /cart/:id	Remove Book from Cart.		- status - data - cart content
GET /cart	View Cart content.		- status - data - cart content

4. Orders API

Endpoint	Description	Request Body	Response Body
POST /orders	Place an order.	- order data	- status - data - order data
GET /orders/:id	View an order.		- status - data - cart content

5. Reviews API

Endpoint	Description	Request Body	Response Body
POST /reviews	Place a review.	- review data	- status - data - review data
GET /reviews/:id	Get review by ID		- status - data - review data
PATCH /reviews/:id	Update review data	- new data	- status - data - review data
DELETE /reviews/:id	Delete review by ID		- status