

Week 10

Add Book

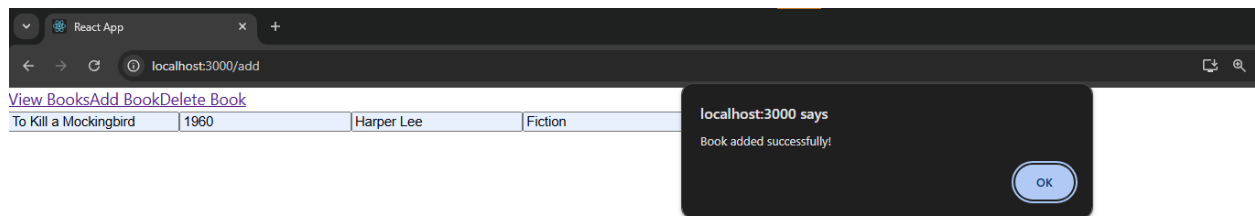
This operation allows users to add new books to the system by providing details such as title, author, publication year, and genre. Once the book is added, it is stored in the database, and a success message is returned.

Backend Endpoint:

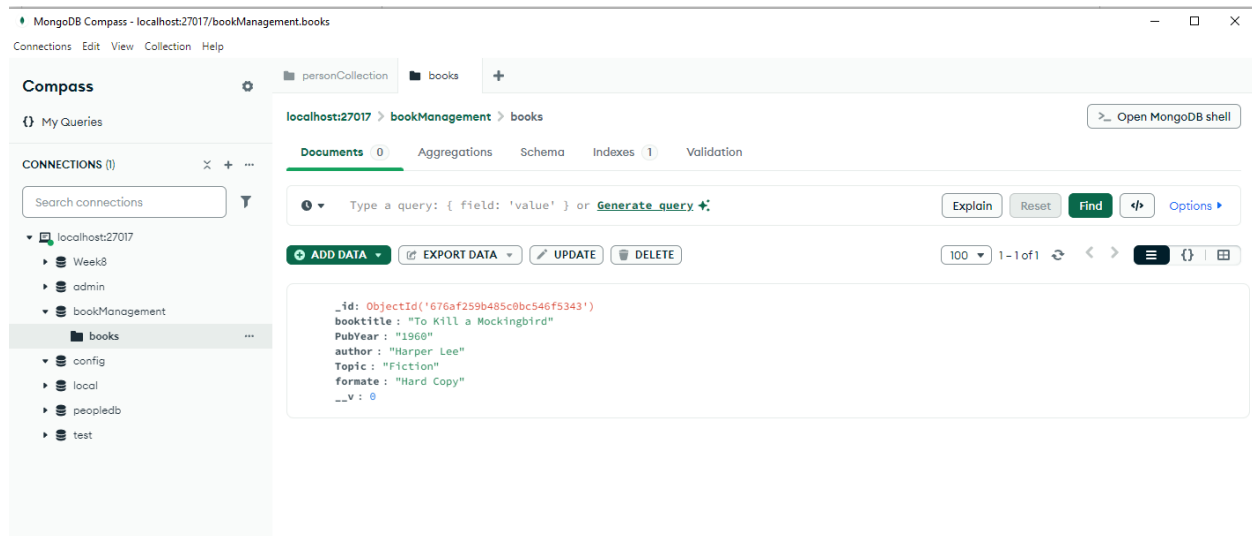
- Endpoint: /api/books/addbooks
- Method: POST
- Description: Accepts the book details in the request body and stores it in the database.

Frontend Endpoint:

- Method: axios.post
- Description: Sends the book details to the backend using a POST request to the /addbooks endpoint.



Database



View All books

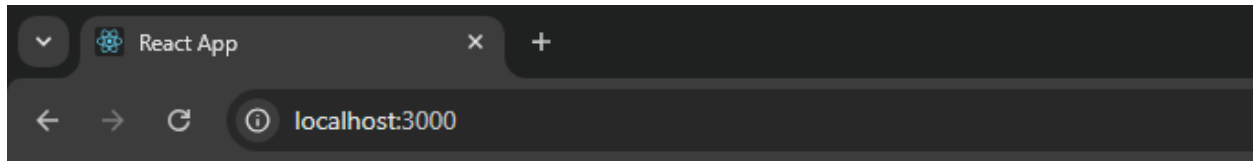
This operation retrieves and displays a list of all the books stored in the system. It shows the title, author, and publication year for each book.

Backend Endpoint:

- Endpoint: `/api/books/allbooks`
- Method: GET
- Description: Fetches all books from the database and returns them to the frontend.

Frontend Endpoint:

- Method: `axios.get`
- Description: Sends a GET request to the `/allbooks` endpoint to fetch the list of all books.



[View Books](#)[Add Book](#)[Delete Book](#)

Book List

- To Kill a Mockingbirdss by Harper Lee (1960)[UpdateView Book](#)
- The Great Gatsby by F. Scott Fitzgerald (1960)[UpdateView Book](#)

Database

Search connections

- localhost:27017
 - Week8
 - admin
 - bookManagement
 - books
 - config
 - local
 - peopledb
 - test

Type a query: { field: 'value' } or [Generate query](#)

[EXPLAIN](#) [RESET](#) [FIND](#) [</>](#)

[ADD DATA](#) [EXPORT DATA](#) [UPDATE](#) [DELETE](#)

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```
_id: ObjectId('676af259b485c8bc546f5343')
booktitle: "To Kill a Mockingbirdss"
PubYear: "1960"
author: "Harper Lee"
Topic: "Fiction"
formate: "Hard Copy"
__v: 0
```

```
_id: ObjectId('676af76cb485c8bc546f5372')
booktitle: "The Great Gatsby"
PubYear: "1960"
author: "F. Scott Fitzgerald"
Topic: "Fiction"
formate: "Hard Copy"
__v: 0
```

Delete Book

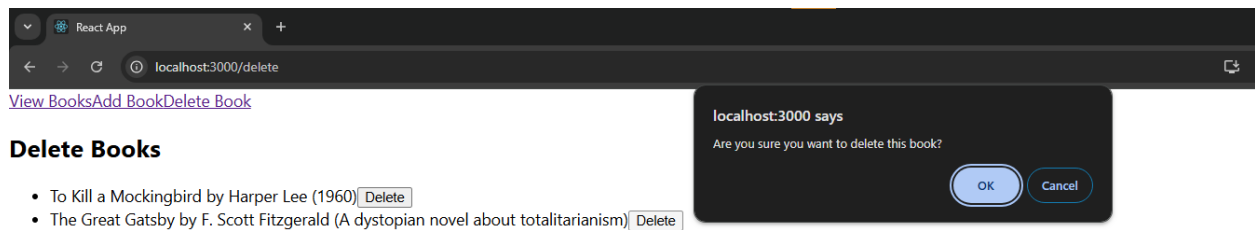
This operation enables users to delete a book from the system. Once a book is deleted, it is removed from the database, and the book is no longer available in the list.

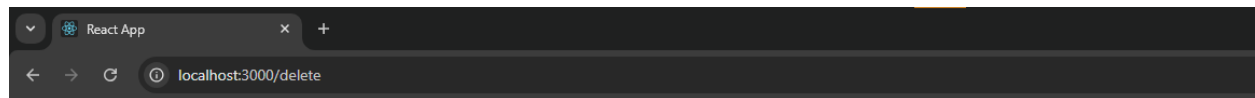
Backend Endpoint:

- Endpoint: `/api/books/deletebook/:id`
- Method: POST
- Description: Deletes a specific book by its id from the database.

Frontend Endpoint:

- Method: `axios.post`
- Description: Sends a POST request to the `/deletebook/:id` endpoint to delete the book with the given id.



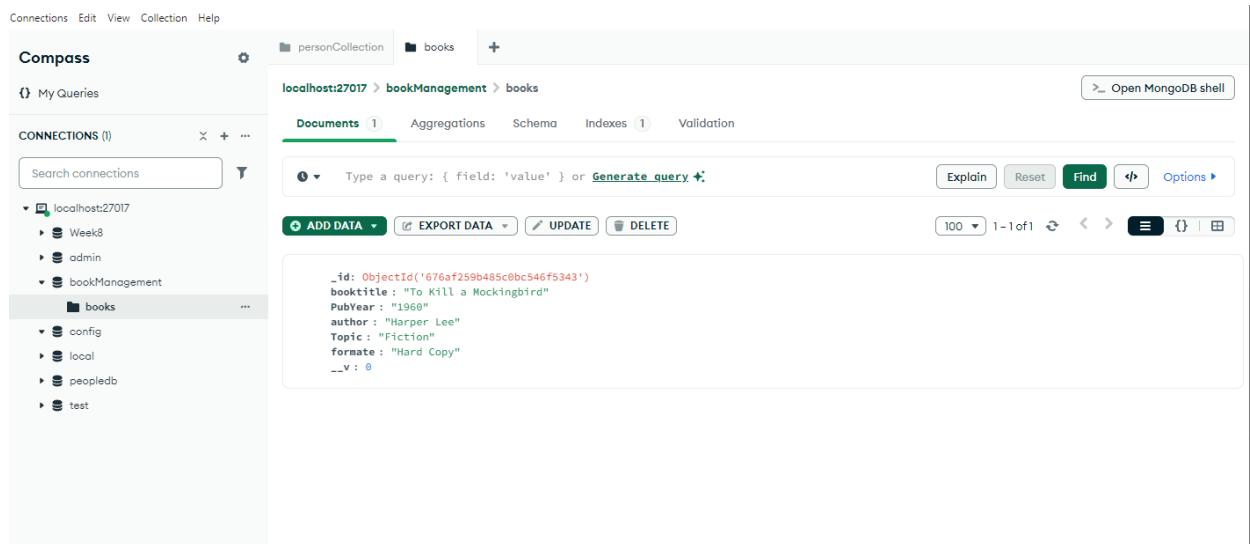


[View Books](#)[Add Book](#)[Delete Book](#)

Delete Books

- To Kill a Mockingbird by Harper Lee (1960)

Database



Update Book

This operation allows users to update the information of an existing book, such as the title, author, or publication year. The updated book details are sent to the backend, and the database is updated.

Backend Endpoint:

- Endpoint: `/api/books/updatebook/:id`
- Method: POST
- Description: Accepts the updated book details and modifies the existing book record in the database.

Frontend Endpoint:

- Method: `axios.post`
- Description: Sends the updated book details to the backend using a POST request to the `/updatebook/:id` endpoint.



Search connections

localhost:27017

▶ Week8

▶ admin

▼ bookManagement

books

...

▼ config

▶ local

▶ peopledb

▶ test

Database



Type a query: { field: 'value' } or [Generate query](#)

+ ADD DATA

EXPORT DATA

UPDATE

DELETE

```
_id: ObjectId('676af259b485c0bc546f5343')
booktitle: "To Kill a Mockingbirdss"
PubYear: "1960"
author: "Harper Lee"
Topic: "Fiction"
formate: "Hard Copy"
__v: 0
```

View Book Details

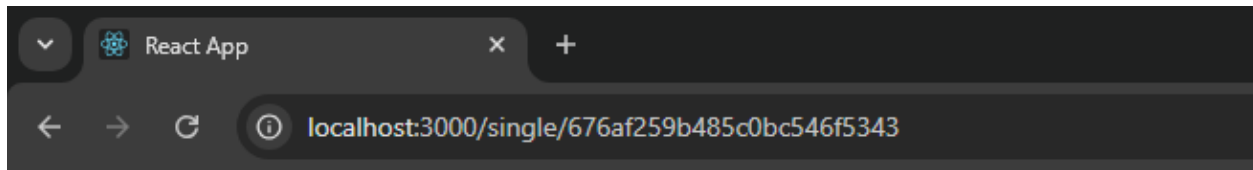
This operation allows users to view the details of a specific book. When a user selects a book, the full details of the selected book (e.g., title, author, publication year) are displayed.

Backend Endpoint:

- Endpoint: `/api/books/getbook/:id`
- Method: GET
- Description: Fetches details of a single book by its unique id.

Frontend Endpoint:

- Method: `axios.get`
- Description: Sends a GET request to the `/getbook/:id` endpoint to fetch details of a specific book by its id.



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Book Details

- To Kill a Mockingbirdss by Harper Lee (1960)