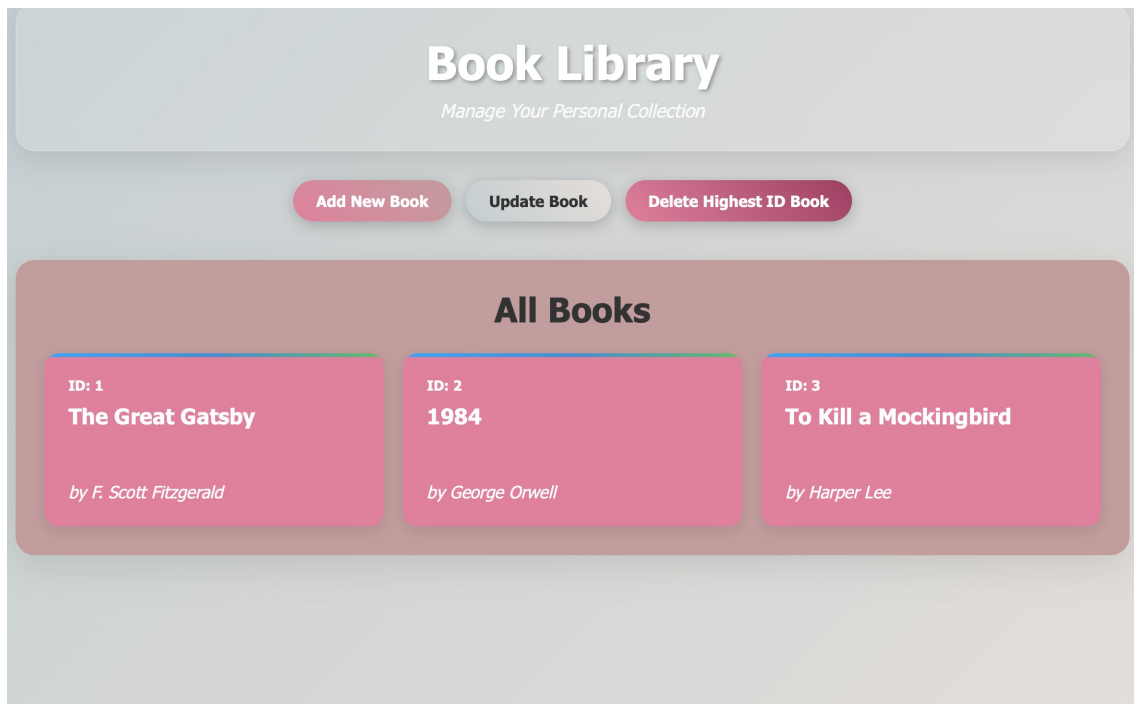


## HW2

Home Page:



I am adding a new book. By giving Book Title and Author Name:

The screenshot shows the 'Add New Book' form. It has a dark blue header with the title 'Add New Book' and a 'Back to Home' link. The form area is orange and contains two input fields: 'Book Title' and 'Author Name'. The 'Book Title' field contains the text 'I too add a love story' and the 'Author Name' field contains 'Ravinder Singh'. At the bottom of the form, there are two buttons: 'Add Book' (blue) and 'Cancel' (green).

Book Title:

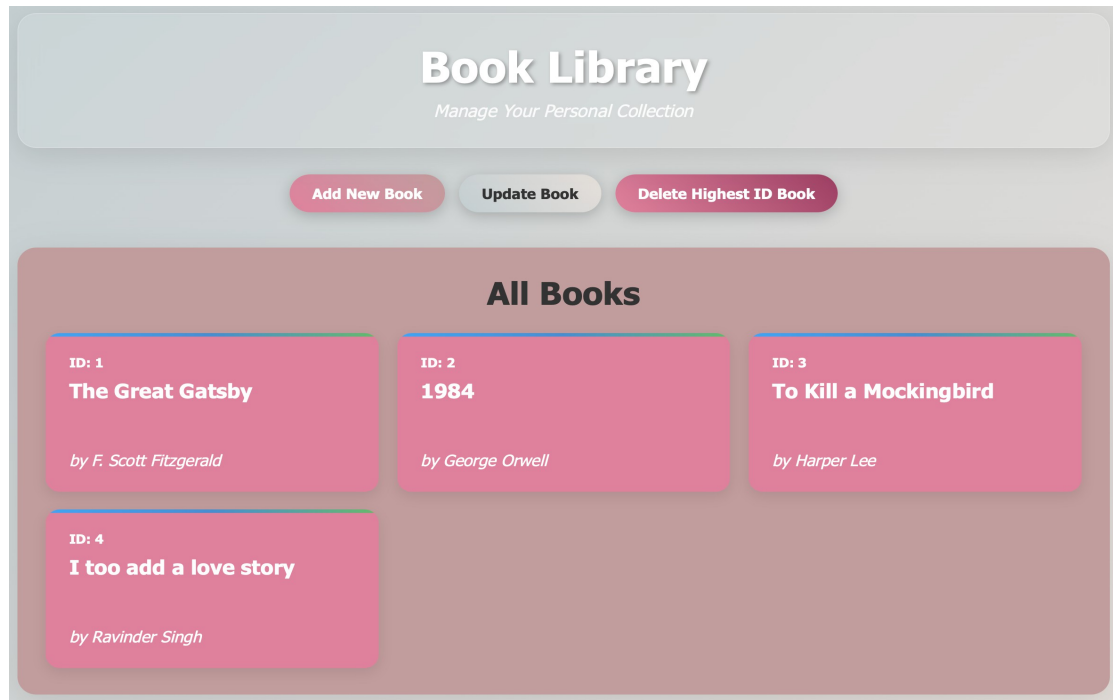
I too add a love story

Author Name:

Ravinder Singh

Add Book Cancel

The book got added and it is shown in the home page



Terminal Screen Shot after add a book

```
=== CURRENT BOOKS IN DATABASE ===
Total books: 3
ID: 1, Title: "Harry Potter", Author: "J. K. Rowling"
ID: 2, Title: "1984", Author: "George Orwell"
ID: 3, Title: "To Kill a Mockingbird", Author: "Harper Lee"
=====
CREATE FORM - User accessing create new book form
CREATE BOOK REQUEST RECEIVED
Form data received - Title: I too had a love story  Author: Ravinder Singh
SUCCESS: Book added to database!
New book details: { id: 4, title: 'I too had a love story', author: 'Ravinder Singh' }
Total books now: 4
Redirecting to home page...

=== CURRENT BOOKS IN DATABASE ===
Total books: 4
ID: 1, Title: "Harry Potter", Author: "J. K. Rowling"
ID: 2, Title: "1984", Author: "George Orwell"
ID: 3, Title: "To Kill a Mockingbird", Author: "Harper Lee"
ID: 4, Title: "I too had a love story", Author: "Ravinder Singh"
=====
█
```

I am updating the book which Book ID, New Book Title and New Author Name:

The screenshot shows a web browser window with the address bar displaying 'localhost:3000/update'. The page has a purple header bar with a 'Back to Home' link. Below the header, there is a section titled 'Available Books:' containing three entries: 'ID: 1 - "The Great Gatsby" by F. Scott Fitzgerald', 'ID: 2 - "1984" by George Orwell', and 'ID: 3 - "To Kill a Mockingbird" by Harper Lee'. Below this, the 'Book ID to Update:' field contains the value '1', with a note 'Choose from the IDs shown above'. The 'New Book Title:' field contains 'Harry Potter', and the 'New Author Name:' field contains 'J. K. Rowling'. At the bottom, there are two buttons: 'Update Book' (blue) and 'Cancel' (green).

localhost:3000/update

← Back to Home

**Available Books:**

- ID: 1 - "The Great Gatsby" by F. Scott Fitzgerald
- ID: 2 - "1984" by George Orwell
- ID: 3 - "To Kill a Mockingbird" by Harper Lee

**Book ID to Update:**

1

*Choose from the IDs shown above*

**New Book Title:**

Harry Potter

**New Author Name:**

J. K. Rowling

Update Book Cancel

The Book got Updated and you can see it in home page:

The screenshot shows the 'Book Library' home page in a web browser window with the address bar displaying 'localhost:3000'. The page has a light gray header bar with a star icon. Below the header, there is a section titled 'Book Library' with the subtitle 'Manage Your Personal Collection'. Below this, there are three buttons: 'Add New Book' (pink), 'Update Book' (gray), and 'Delete Highest ID Book' (purple). Below the buttons, there is a section titled 'All Books' containing three book cards. The first card is for 'ID: 1 Harry Potter by J. K. Rowling', the second is for 'ID: 2 1984 by George Orwell', and the third is for 'ID: 3 To Kill a Mockingbird by Harper Lee'.

localhost:3000

**Book Library**  
*Manage Your Personal Collection*

Add New Book Update Book Delete Highest ID Book

**All Books**

- ID: 1  
**Harry Potter**  
by J. K. Rowling
- ID: 2  
**1984**  
by George Orwell
- ID: 3  
**To Kill a Mockingbird**  
by Harper Lee

## Terminal Screenshot of Updating:

```
o spartan@MLK-SCS-KM9F46YHQ4 hw2 % npm start

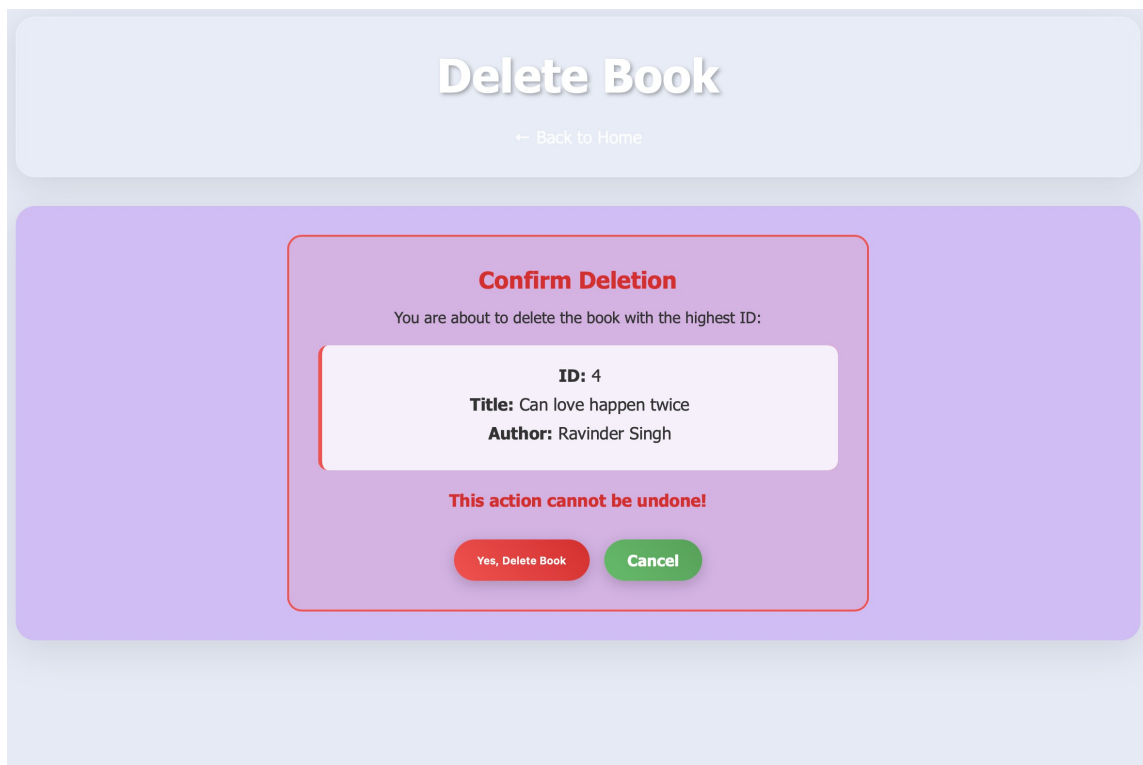
> hw2_template@1.0.0 start
> node index.js

Server is running on http://localhost:3000

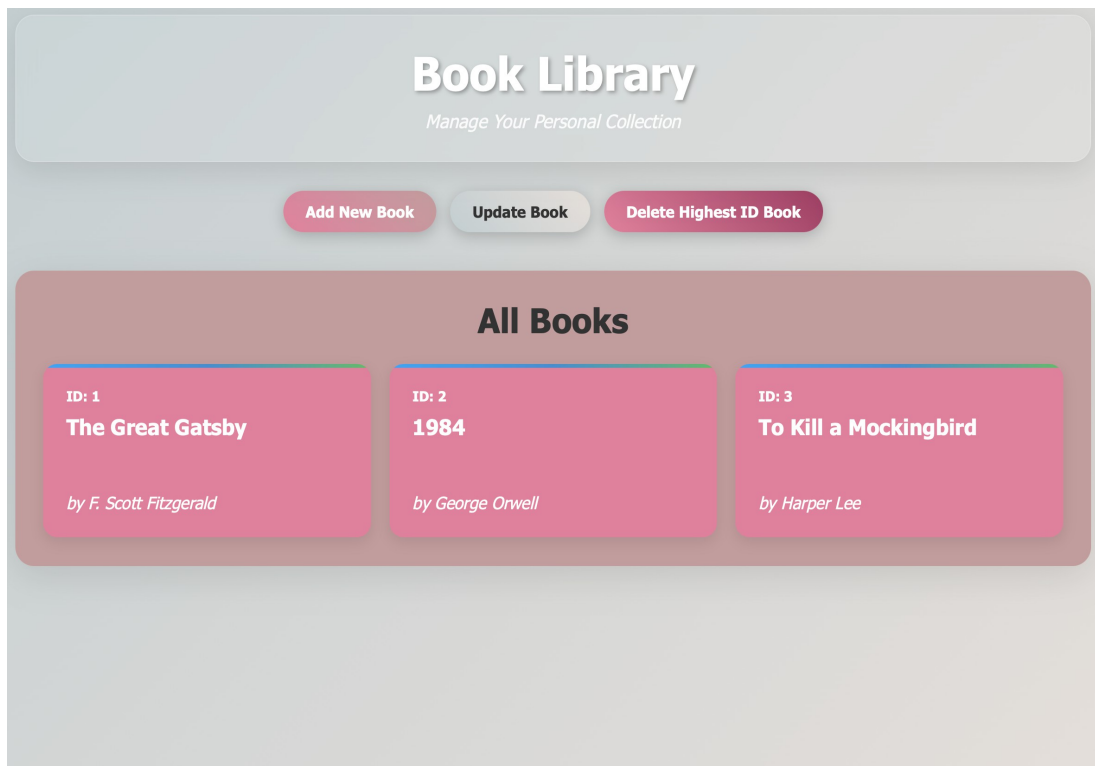
=== CURRENT BOOKS IN DATABASE ===
Total books: 3
ID: 1, Title: "The Great Gatsby", Author: "F. Scott Fitzgerald"
ID: 2, Title: "1984", Author: "George Orwell"
ID: 3, Title: "To Kill a Mockingbird", Author: "Harper Lee"
=====
UPDATE - User accessing update form
Available books for update: [
  'ID: 1 - The Great Gatsby',
  'ID: 2 - 1984',
  'ID: 3 - To Kill a Mockingbird'
]
UPDATE BOOK REQUEST RECEIVED for ID: 1
Form data received - Book ID: 1 New Title: Harry Potter New Author: J. K. Rowling
SUCCESS: Book updated!
Old details: { id: 1, title: 'The Great Gatsby', author: 'F. Scott Fitzgerald' }
New details: { id: 1, title: 'Harry Potter', author: 'J. K. Rowling' }
Redirecting to home page...

=== CURRENT BOOKS IN DATABASE ===
Total books: 3
ID: 1, Title: "Harry Potter", Author: "J. K. Rowling"
ID: 2, Title: "1984", Author: "George Orwell"
ID: 3, Title: "To Kill a Mockingbird", Author: "Harper Lee"
=====
```

## Deleting the book with highest ID:



After Deleting the page, The Final Home Page



Terminal Screenshot after deleting:

```
=== CURRENT BOOKS IN DATABASE ===
Total books: 4
ID: 1, Title: "Harry Potter", Author: "J. K. Rowling"
ID: 2, Title: "1984", Author: "George Orwell"
ID: 3, Title: "To Kill a Mockingbird", Author: "Harper Lee"
ID: 4, Title: "I too had a love story", Author: "Ravinder Singh"
=====
DELETE FORM - User accessing delete confirmation for highest ID book
Highest ID found: 4
Book to delete: { id: 4, title: 'I too had a love story', author: 'Ravinder Singh' }
DELETE HIGHEST ID BOOK REQUEST RECEIVED
SUCCESS: Book deleted!
Deleted book details: { id: 4, title: 'I too had a love story', author: 'Ravinder Singh' }
Remaining books: 3
Redirecting to home page...

=== CURRENT BOOKS IN DATABASE ===
Total books: 3
ID: 1, Title: "Harry Potter", Author: "J. K. Rowling"
ID: 2, Title: "1984", Author: "George Orwell"
ID: 3, Title: "To Kill a Mockingbird", Author: "Harper Lee"
=====
```

Terminal :

```
spartan@MLK-SCS-KM9F46YHQ4 hw2 % npm start
```

```
> hw2_template@1.0.0 start
```

```
> node index.js
```

Server is running on <http://localhost:3000>

=== CURRENT BOOKS IN DATABASE ===

Total books: 3

ID: 1, Title: "The Great Gatsby", Author: "F. Scott Fitzgerald"

ID: 2, Title: "1984", Author: "George Orwell"

ID: 3, Title: "To Kill a Mockingbird", Author: "Harper Lee"

---

UPDATE - User accessing update form

Available books for update: [

'ID: 1 - The Great Gatsby',

'ID: 2 - 1984',

'ID: 3 - To Kill a Mockingbird'

]

UPDATE BOOK REQUEST RECEIVED for ID: 1

Form data received - Book ID: 1 New Title: Harry Potter New Author: J. K. Rowling

SUCCESS: Book updated!

Old details: { id: 1, title: 'The Great Gatsby', author: 'F. Scott Fitzgerald' }

New details: { id: 1, title: 'Harry Potter', author: 'J. K. Rowling' }

Redirecting to home page...

=== CURRENT BOOKS IN DATABASE ===

Total books: 3

ID: 1, Title: "Harry Potter", Author: "J. K. Rowling"

ID: 2, Title: "1984", Author: "George Orwell"

ID: 3, Title: "To Kill a Mockingbird", Author: "Harper Lee"

---

CREATE FORM - User accessing create new book form

CREATE BOOK REQUEST RECEIVED

Form data received - Title: I too had a love story Author: Ravinder Singh

SUCCESS: Book added to database!

New book details: { id: 4, title: 'I too had a love story', author: 'Ravinder Singh' }

Total books now: 4

Redirecting to home page...

=== CURRENT BOOKS IN DATABASE ===

Total books: 4

ID: 1, Title: "Harry Potter", Author: "J. K. Rowling"

ID: 2, Title: "1984", Author: "George Orwell"

ID: 3, Title: "To Kill a Mockingbird", Author: "Harper Lee"

ID: 4, Title: "I too had a love story", Author: "Ravinder Singh"

---

DELETE FORM - User accessing delete confirmation for highest ID book

Highest ID found: 4

Book to delete: { id: 4, title: 'I too had a love story', author: 'Ravinder Singh' }

DELETE HIGHEST ID BOOK REQUEST RECEIVED

SUCCESS: Book deleted!

Deleted book details: { id: 4, title: 'I too had a love story', author: 'Ravinder Singh' }

Remaining books: 3

Redirecting to home page...

=== CURRENT BOOKS IN DATABASE ===

Total books: 3

ID: 1, Title: "Harry Potter", Author: "J. K. Rowling"

ID: 2, Title: "1984", Author: "George Orwell"

ID: 3, Title: "To Kill a Mockingbird", Author: "Harper Lee"

=====

