Manipulations of this page

Adding a book

Add

Title:

any title

Author:

random author

Year:

2025

Genre:

Fantasy

Rating (1–5):

2

Save

Notification of addition

Add

Title:

Author:

Year:

Genre:

Rating (1–5):

Save

Book "any title" added!

Error handling and regulation – No data

Add

Title:

|

Author:

> ⚠ Please fill in this field.

Year:

Genre:

Rating (1–5):

[Save]

– Incorrect data type is not entered at all Writing a book to a table

Title	Author	Year	Genre	Rating	Actions
Harry Potter	J.K. Rowling	1997	Fantasy	5	X
1984	George Orwell	1949	Dystopian	4	X
To Kill a Mockingbird	Harper Lee	1960	Classic	5	X
The Hobbit	J.R.R. Tolkien	1937	Fantasy	5	X
The Catcher in the Rye	J.D. Salinger	1951	Modern Classic	4	X
Pride and Prejudice	Jane Austen	1813	Romance	5	X
The Great Gatsby	F. Scott Fitzgerald	1925	Classic	4	X
any title	random author	2025	Fantasy	2	X

Filtering by clicking on columns and by clicking on a button works the same way – By name

Title	Author	Year	Genre	Rating	Actions
1984	George Orwell	1949	Dystopian	4	X
any title	random author	2025	Fantasy	2	X
Harry Potter	J.K. Rowling	1997	Fantasy	5	X
Pride and Prejudice	Jane Austen	1813	Romance	5	X
The Catcher in the Rye	J.D. Salinger	1951	Modern Classic	4	X
The Great Gatsby	F. Scott Fitzgerald	1925	Classic	4	X
The Hobbit	J.R.R. Tolkien	1937	Fantasy	5	X
To Kill a Mockingbird	Harper Lee	1960	Classic	5	X

– By the year

Title	Author	Year	Genre	Rating	Actions
Pride and Prejudice	Jane Austen	1813	Romance	5	X
The Great Gatsby	F. Scott Fitzgerald	1925	Classic	4	X
The Hobbit	J.R.R. Tolkien	1937	Fantasy	5	X
1984	George Orwell	1949	Dystopian	4	X
The Catcher in the Rye	J.D. Salinger	1951	Modern Classic	4	X
To Kill a Mockingbird	Harper Lee	1960	Classic	5	X
Harry Potter	J.K. Rowling	1997	Fantasy	5	X
any title	random author	2025	Fantasy	2	X

– Rating

Title	Author	Year	Genre	Rating	Actions
any title	random author	2025	Fantasy	2	X
The Great Gatsby	F. Scott Fitzgerald	1925	Classic	4	X
1984	George Orwell	1949	Dystopian	4	X
The Catcher in the Rye	J.D. Salinger	1951	Modern Classic	4	X
Pride and Prejudice	Jane Austen	1813	Romance	5	X
The Hobbit	J.R.R. Tolkien	1937	Fantasy	5	X
To Kill a Mockingbird	Harper Lee	1960	Classic	5	X
Harry Potter	J.K. Rowling	1997	Fantasy	5	X

Filter by genre

| Sort by Name | Sort by Rating | Dystopian ⌄ |

Add

Title:

[   ]

Author:

[   ]

Year:

[   ]

Genre:

[   ]

Rating (1–5):

[   ]

[Save]

Title	Author	Year	Genre	Rating	Actions
1984	George Orwell	1949	Dystopian	4	X

Deleting a book

Book "any title" deleted!

Title	Author	Year	Genre	Rating	Actions
Harry Potter	J.K. Rowling	1997	Fantasy	5	X
1984	George Orwell	1949	Dystopian	4	X
To Kill a Mockingbird	Harper Lee	1960	Classic	5	X
The Hobbit	J.R.R. Tolkien	1937	Fantasy	5	X
The Catcher in the Rye	J.D. Salinger	1951	Modern Classic	4	X
Pride and Prejudice	Jane Austen	1813	Romance	5	X
The Great Gatsby	F. Scott Fitzgerald	1925	Classic	4	X

Conclusion

During the lab, I learned: 1. Create dynamic web pages
using HTML, CSS, and JavaScript. 2. Use object constructors in JavaScript
for convenient
data representation (books). 3. Store and retrieve data using localStorage
and JSON. 4. Add interactivity:
add, remove, sort, and filter data in a table. 5. Use CSS for responsive
design and highlighting

elements on hover or focus.
6. Organize code into a clear structure and work with DOM elements to
update page content. Thanks to this work, I
consolidated my skills in working with the frontend, user interaction
with forms, and data processing in the browser.