

React Assignment 2:

Book Library

Submitted By :
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PROJECT OVERVIEW :

This project is a Book Library web application built using React and Vite. The app allows users to browse, search, and explore a collection of books through a clean and intuitive interface. It demonstrates core React concepts such as functional components, state management, props, conditional rendering, and event handling, along with efficient data fetching and responsive UI design. The project focuses on delivering a smooth user experience while showcasing modern front-end development practices.

This Web-App comprises of the following functionalities: -

- ❖ Elegant presentation of a curated book collection with a structured and visually appealing layout
- ❖ Advanced search functionality for quickly discovering books by title or relevant keywords
- ❖ Detailed book view providing essential information for an enhanced browsing experience
- ❖ Seamless client-side navigation powered by a single-page application architecture
- ❖ Modern, responsive, and intuitive user interface optimized for all screen sizes
- ❖ Efficient state management and dynamic UI updates using React components and props
- ❖ High-performance build and fast load times enabled by Vite's optimized tooling

PROJECT STRUCTURE :

```
book-library/
    ├── node_modules/          # Project dependencies
    ├── public/
    │   ├── bl-logo.png
    │   └── vite.svg
    ├── src/                   # Application source code
    │   ├── assets/             # Images & static assets
    │   │   ├── bl-logo.png
    │   │   ├── book-library.jpg
    │   │   └── No-Image.svg
    │   ├── Components/         # Reusable UI components
    │   │   ├── BookCard.jsx
    │   │   ├── BookCard.css
    │   │   ├── Navbar.jsx
    │   │   ├── Navbar.css
    │   │   ├── Footer.jsx
    │   │   ├── Footer.css
    │   │   ├── StarRating.jsx
    │   │   └── StarRating.css
    │   ├── pages/              # Application pages (Routes)
    │   │   ├── Home.jsx
    │   │   ├── Home.css
    │   │   ├── BrowseBooks.jsx
    │   │   ├── BrowseBooks.css
    │   │   ├── BookDetails.jsx
    │   │   ├── BookDetails.css
    │   │   ├── AddBook.jsx
    │   │   ├── AddBook.css
    │   │   ├── PageNotFound.jsx
    │   │   └── PageNotFound.css
    │   ├── Utils/               # State management & utilities
    │   │   ├── booksSlice.js    # Redux slice for books
    │   │   ├── store.js         # Redux store configuration
    │   │   └── data.js          # Initial / mock book data
    │   ├── App.jsx              # Root application component
    │   ├── App.css
    │   ├── main.jsx             # Application entry point
    │   └── index.css            # Global styles
    └── .gitignore              # Git ignored files
```

```
├── eslint.config.js      # ESLint configuration
├── index.html            # HTML entry file
├── package.json          # Project metadata & scripts
├── package-lock.json     # Dependency lock file
├── vite.config.js        # Vite configuration
└── README.md             # Project documentation
```

Github : <https://github.com/chaitali9497/book-library>

Live : <https://book-library-brown.vercel.app/>

User Interface:

Landing Page:

The screenshot shows the Story Garden website interface. At the top, there is a purple header bar with the logo "Story Garden" on the left, and "Home", "Browse Books", and "Add Book" buttons on the right. Below the header, a large banner features the text "A smarter way to explore books — all in one place." in white. Underneath the banner, a subtext reads "Discover, track, and save your favorite reads effortlessly". A section titled "Categories" includes a "All" button (which is highlighted in purple) and other buttons for "Fiction", "Classic", "Sci-Fi", and "Romance". The main content area is titled "Popular Books" and displays five book covers in a grid:

- To Kill a Mockingbird** by Aaron Shurin (Cover image: A black and white photograph of the book cover, showing the title and author's name at the top, and a small logo at the bottom.)
- 1984** by George Orwell (Cover image: A dark cover with the title "1984" in large red letters, and a stylized eye graphic below it.)
- The Great Gatsby** (Cover image: A yellow cover with the title and author's name at the top, and some text and a stamp in the center.)
- Pride and Prejudice** (Cover image: A green cover featuring a vintage alarm clock with a steampunk aesthetic.)
- The Hobbit** by J.R.R. Tolkien (Cover image: A close-up of a dragon's mouth breathing fire, with the title and author's name at the top.)

Browse Books with SearchBar:

 Story Garden

Home [Browse Books](#) Add Book

Find your next great story

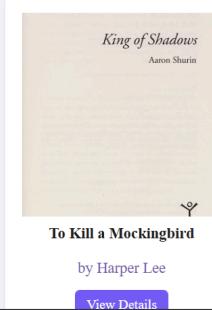
Search by title or author...

Type something to find your next read.....



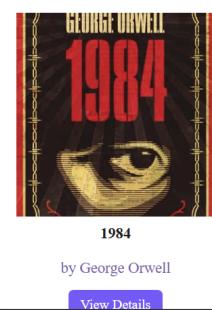
NO IMAGE AVAILABLE

Jack
by jack rone
[View Details](#)



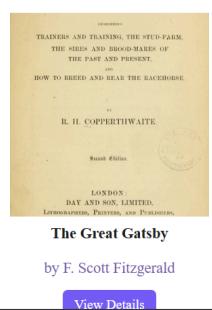
King of Shadows
Aaron Shurin

To Kill a Mockingbird
by Harper Lee
[View Details](#)



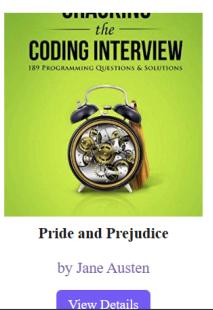
1984
GEORGE ORWELL

1984
by George Orwell
[View Details](#)



The Great Gatsby
R. H. COPPERTHWAITE

The Great Gatsby
by F. Scott Fitzgerald
[View Details](#)



Pride and Prejudice
by Jane Austen

Pride and Prejudice
[View Details](#)

Add Book:

Add New Book

Title

Author

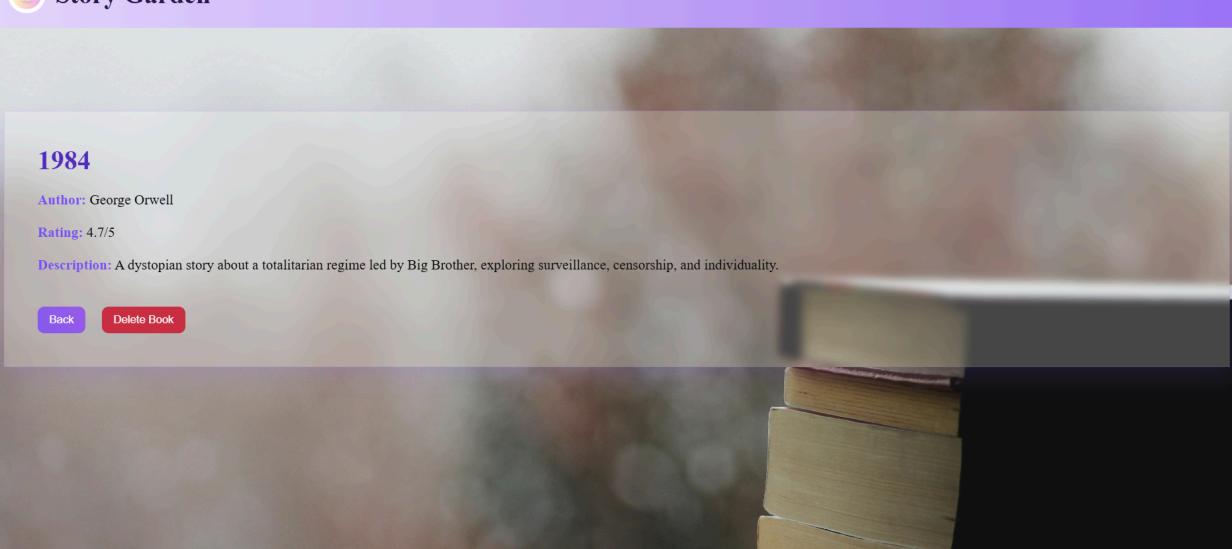
Category

Description

Rating the Book
★ ★ ★ ★ ★

Add Book

DetailsPage:



1984

Author: George Orwell

Rating: 4.7/5

Description: A dystopian story about a totalitarian regime led by Big Brother, exploring surveillance, censorship, and individuality.

[Back](#) [Delete Book](#)

Story Garden

Home Browse Books Add Book