Reading List Tracker

Final Project Proposal

Concept/Theme

My Problem:

- I want to track books I want to read, am reading, and have completed
- I need to remember what I've read and how I rated it
- I'd like to see my reading progress and statistics

My Solution:

A personal reading list tracker where I can:

- Use the Open Library API to quickly add books
- Organize books by status (Want to Read, Currently Reading, Read)
- Track my ratings and reading statistics
- Persist my collection with JSON Server
- My Theme: Clean, organized, book-focused design

Inspiration Websites

Goodreads

- Book ratings and reviews
- Reading shelves (Want to Read, Currently Reading, Read)
- Reading statistics

Libby

- Collection management
- Simple book cards with covers
- Tagging and categorization

Mood Board

- I've created a Pinterest board with screenshots from these sites showing layouts, color schemes, and book card designs.

Key Features

01 **Add Books with API**

Open library and populate book details

02 **Three Status Lists**

Want to Read, Read, Current

03 **Status Management**

Move books between statuses with buttons

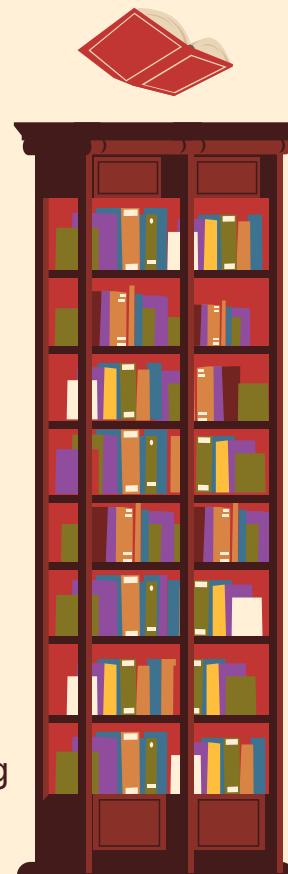**04** **Rating System**

1-5 stars for completed books

05 **Reading Stats**

Total books read & genre

Concepts I Know

- **React Fundamentals:** Components, Props, JSX, useState, useEffect hooks
- **State Management:** Redux Toolkit (actions, reducers, store), useReducer hook
- **API Integration:** axios for HTTP requests, External APIs (TheMealDB experience)
- **React Router:** Navigation between pages/sections
- **Context API:** Theme context, Reading stats context
- **Styling:** SS/Tailwind, Component styling

Concepts to Learn

- **JSON Server:** Setup and configuration
- CRUD operations, API endpoints, Filtering queries
- **Filtering/Search:** Search within collection, filter by genre/status/rating, sorting
- **Form Handling:** Auto-populate from API, validation, error handling (like the MealDB I used)

Project Structure

```
src/
    components/
        Book Card/
        Book Search/
        Add Book Form/
        Reading Stats/
        Status Filter/
    pages/
        Home Page/
        Want To Read Page/
        Currently Reading Page/
        Read Page/
    store/
        bookslice.js
        store.js
    context/
        Theme Context.js
        Stats Context.js
    services/
        book API.js (Open Library)
```

User Flow!

Adding a Book:

1. I search for a book in the search box
2. Open Library API returns results
3. I select a book → form auto-fills
4. I add status/notes → saves to JSON Server

My Reading Journey:

1. Book starts in "Want to Read"
2. I click "Start Reading" → moves to "Currently Reading"
3. I click "Mark as Read" → moves to "Read"
4. I rate the book → stats update
5. All changes persist in JSON Server

Thanks!