Book Finder – Project Notes

Project Overview

- A React app to search and explore books using the Open Library API.
- Users can view search results in a grid and click on a book to see detailed information in a modal popup.
- Built with React, Tailwind CSS, and Framer Motion for animations.

Key Features Implemented

1. **Search Functionality**
2. Search by book title, author, or ISBN.

3. Triggered API calls to fetch results.

4. **Book Display**

5. `BookCard.jsx` shows book info in a responsive grid.

6. **Book Modal**

7. `BookModal.jsx` displays detailed info on click, including cover image, publisher, and year.

8. **Loader**

9. `Loader.jsx` shows a spinner while fetching data.

10. **Alert Messages**

11. `AlertMessage.jsx` handles errors like "no results found."

12. **Animations**

13. Basic animations for modal and hover effects using Framer Motion.

Challenges Faced

- **API Implementation**
- Handling missing data fields and formatting API responses correctly.

- Took help from Claude.ai, web searches, and ChatGPT to structure API calls and manage state.

- **Animations**

- Initially had no idea how to implement Framer Motion animations.

- Learned by studying examples online and using ChatGPT for guidance.

- **Function Implementation**

- Most functions, including search, modal logic, and alerts, were developed with guidance from AI tools and online references.

What I Learned

- React component structure and state management.
- Integrating third-party APIs and handling asynchronous data.
- Implementing responsive UI using Tailwind CSS.
- Adding interactive UI elements and animations with Framer Motion.
- Problem-solving by researching, experimenting, and leveraging AI tools.

Project Links

- **GitHub (Code):** https://github.com/Sajidali-219
- **Vercel (Live Preview):** https://book-finder-rho-three.vercel.app/
- **Portfolio:** https://sajidali-219.github.io/

Conclusion

- This project helped me **learn a lot of new concepts** that I hadn't used before, including API handling, UI animations, and responsive design.
- Even though I took help from AI and web searches, I **gained hands-on experience** in building a complete frontend project from scratch.