BookShelf

Reading Tracker & Book Community Platform

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What is BookShelf?

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A reading management platform where users:
· Discover and track books
· Write reviews and ratings
· Get personalized recommendations
· Connect with other readers

Community-Built Database:
Users can add books that don't exist yet with complete details (title, author, ISBN, cover, description, purchase links)

Target Audience:
Avid readers, students, book club members, anyone who wants to organize their reading life and discover new books

How Users Interact with BookShelf

Search & Discover
· Search for books by title, author, or ISBN
· Browse by genre, rating, or popularity
· View book details, covers, reviews, and purchase links

Track Reading
· Add books to shelves: Want to Read, Currently Reading, Finished
· Log reading progress (current page)
· Set reading goals (books per year)
· View reading statistics and graphs

Engage & Share
· Write reviews with star ratings
· Follow other readers
· Join book clubs and discussions
· Create and share book lists
· Get personalized recommendations

Add to Database
· If a book doesn't exist, add it yourself
· Upload cover image
· Include all details and purchase links

Project Justification

Personally:
• I want to create something I'll use daily and keeps me motivated

Technical Challenges:
• Database design for interconnected data (users, books, reviews, social)
• Recommendation algorithm
• Search optimization for growing database
• Real-time social features and activity feeds
•Create something that is self-sustainable and scalable

Technologies

Technology Stack that I have at least some experience with:

Frontend
· React.js
· Tailwind CSS
· Axios

Backend
· Node.js
· Express.js
· MongoDB
· JWT Authentication

Cloud Services
· MongoDB Atlas (database hosting)
· Cloudinary (image storage)
· Vercel/Netlify (frontend deployment)
· Render (backend deployment)

Development Tools
· VS Code
· Git/GitHub
· Postman
· MongoDB Compass

Questions?