Book Store – Buy & Sell Books

Project Description

Create a simple online bookstore platform where users can sign up, log in, list books for sale, and purchase (book) books from others.

Covering user roles, CRUD operations, authentication, REST APIs, and file upload.

Tech Stack

Backend: Node.js, Express.js

Database: MongoDB (Mongoose)

Frontend: React

Authentication: JWT

Image Upload: Multer

Tools: Git, Postman

Core Features

User Module

- Register / Login (JWT-based auth)
- View and edit profile
- List of their own books for sale
- View purchase history

Book Module

- Create a new book listing (title, author, description, price, image, condition)

- View all books (home page)

- Filter/search by title, author, category

- View book details

- Buy/book a book (creates a purchase record)

Purchase Module

- Logged-in users can "book" (buy) available books

- Once booked, reduce stock or mark book as "sold"

- Users can view purchase history

- The seller is notified that their book has been sold (simulated)

Bonus / Advanced Features

Role-based features (admin vs user)

Email confirmation (nodemailer)

Project Folder Structure

bookstore/

— server/

    — controllers/

    — models/

    — routes/

    — middleware/

    — utils/

server.js

— client/