



MEENAKSHI COLLEGE OF ENGINEERING

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Department of Computer Science and Engineering



MERN Stack Powered By MongoDB

BOOK STORE APP USING MERN

**Submitted by
NM2024TMID01232**

ONLINE BOOK STORE



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ABSTRACT



E-commerce is a web-based online bookstore project designed to provide a user-friendly platform for book enthusiasts to browse, search, and purchase books conveniently. The web application aims to bridge the gap between book lovers and suppliers, offering a vast collection of books across various genres



INTRODUCTION



Online Book Store is an online web application where a customer can purchase books online through a web browser. The main aim of this project is to create a website where a customer can visit and buy books online and have it delivered to his or her doorsteps



PROJECT OVERVIEW



An online book store is a web application that allows customers to buy books online. Customers can search for a book by title or author using a web browser, add it to their shopping cart, and then purchase it using a debit or credit card transaction. The user can login using his account details or new customers can set up an account very quickly. The user can contact bookstore by posting a query or suggestions



FEASIBILITY REPORT



SOFTWARE SPECIFICATION

- OS – Windows 11
- Frontend – React, JavaScript
- Backend – Node.js , Express
- Database – Mongo DB
- Web Browser – Chrome, MS Edge



FEASIBILITY REPORT



HARDWARE SPECIFICATION

- **Processor – Intel Core i3**
- **Storage – 256GB SSD**
- **Memory – 8GB RAM**



ARCHITECTURE



FRONTEND

The front end of a website is everything the user either sees or interacts with when they visit the website.

- ☐ React
- ☐ JavaScript

Front-end users of an online bookstore are customers who use the site to consume books.

- ☐ Log in
- ☐ Search for books
- ☐ Add books to a shopping cart
- ☐ Place orders



ARCHITECTURE



BACKEND

The backend is the data and infrastructure that make your application work.

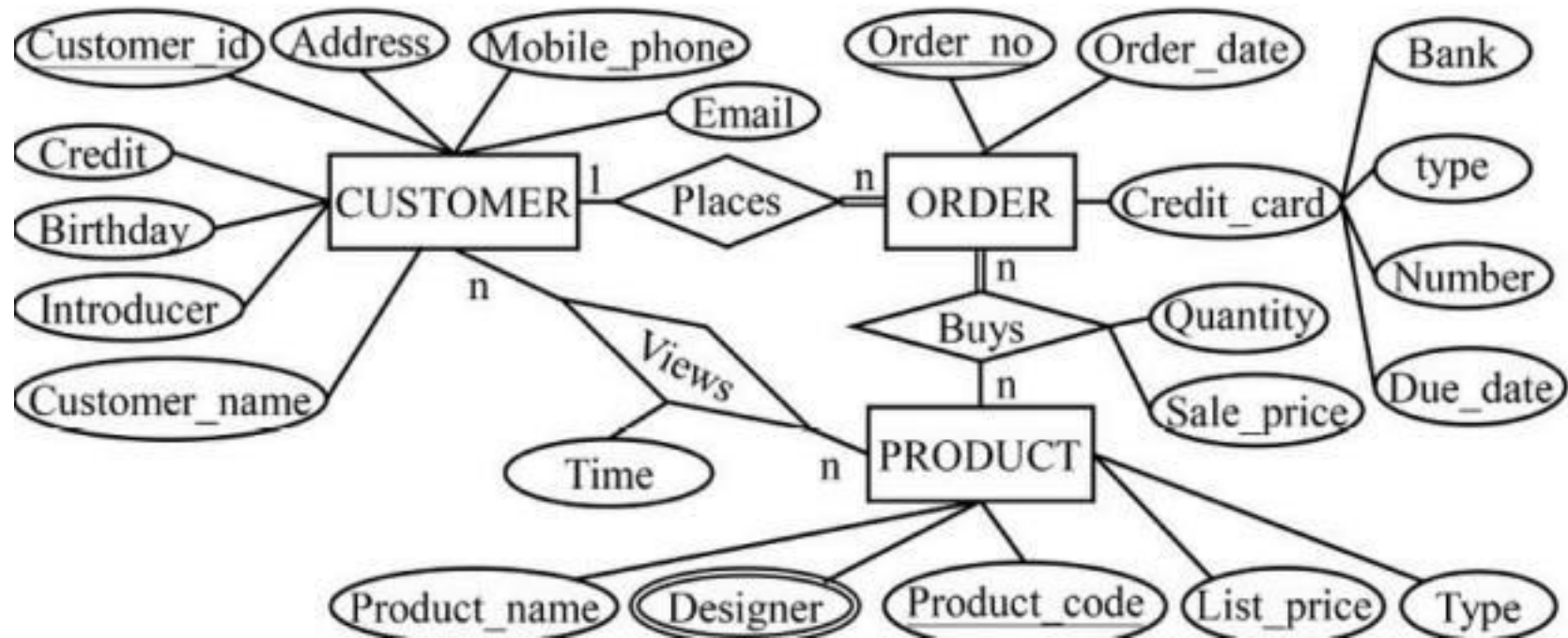
- ☐ Node.js ,Express
- ☐ Database – Mongo DB

The back-end users of an online bookstore are the administrators who manage the store.

- ☐ Adding, editing, or removing book information
- ☐ Adding, editing, or removing book classifications
- ☐ Managing order information Responding to user comments
Confirming orders



ER DIAGRAM



INSTALLATION PROCESS



1. Clone the repository:

- ☐ git clone link:<https://github.com/Madhumitha-003/Book-Store.git>

2. Navigate to project directory :

- ☐ cd backend
- ☐ cd frontend

3. Install node.js dependencies:

- ☐ node -v
- ☐ npm -v

4. Start the application:

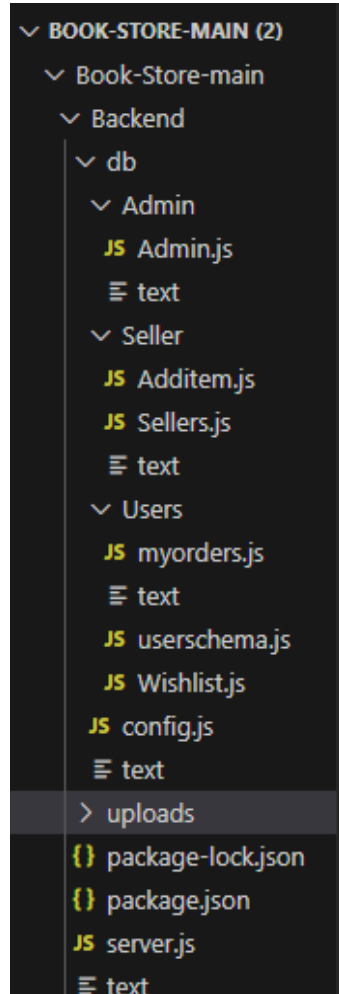
- ☐ npm start - To run the Server
- ☐ npm run dev - To run the Client

5. Verify setup:

- ☐ Open browser or use postmantotestAP



PROJECT STRUCTURE



BACKEND:

❑ Admin:

- **Admin.js** :Contains the logic for admin.
- **Text** :Possibiliy a placeholder .

❑ Seller:

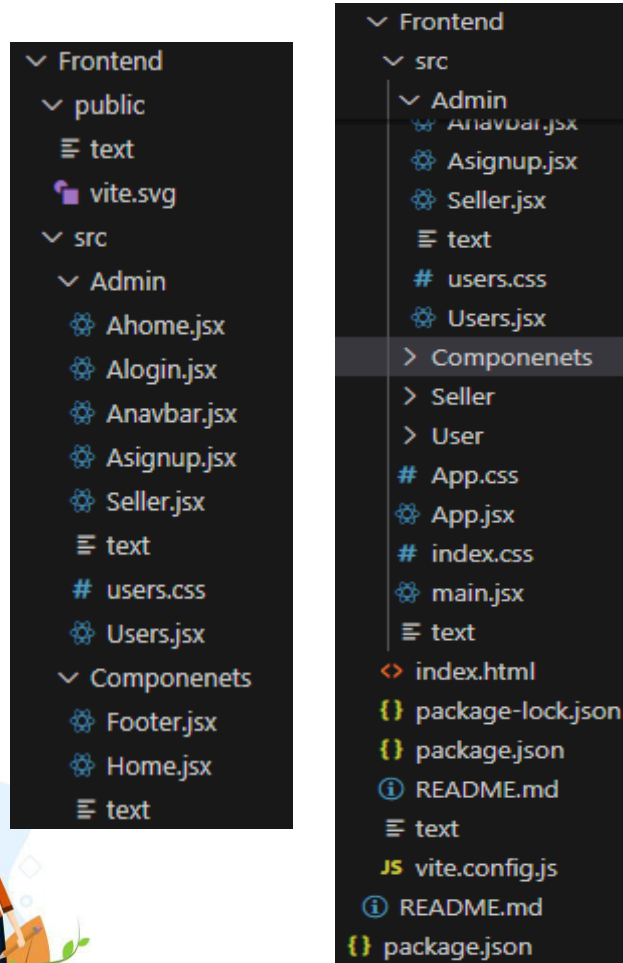
- **Add item.js**: Script for adding items by the seller.
- **Seller.js**: Manages seller information.

❑ Users:

- **Myorder.js**: Tracks and manages user orders.
- **Userschema.js**: Defines the schema for user data in the database.
- **wishlist,.js**:Manages user wishlist functionalities.
- **Config.js**:Configuration file for user-related settings.



PROJECT STRUCTURE



Frontend:

- ❑ **Admin Directory:** Contains components specifically for admin functionalities, such as navigation, signup, and user management.
- ❑ **Components Directory:** Presumably for reusable components used throughout the application.
- ❑ **Seller Directory:** Likely contains components and functionalities related to sellers.
- ❑ **User Directory:** Contains user-specific components and functionalities.
- ❑ **App Files:** App.jsx acts as the root component, while App.css and index.css provide styling.
- ❑ **Main Entry:** main.jsx serves as the entry point for the frontend application.



USER INTERFACE



Key Screens:

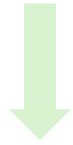
- ❑ **Admin:** Dashboard, User Management, Reports, Book Management.
- ❑ **Seller:** Dashboard, Add/Edit Book Listings, Order Management, Profile Settings.
- ❑ **User:** Homepage, Book Details, Cart/Checkout, Order History, Profile Page.



TESTING



Manual Testing



- ❑ **UI Validation:** Test buttons, forms, navigation, and responsiveness.
- ❑ **Authentication:** Verify login, signup, and role-based access (Admin/Seller/User).
- ❑ **Error Handling:** Validate error messages for invalid inputs and system failures.

Database Validation



- ❑ **User Collection:**
 - Ensure unique emails and hashed passwords.
 - Validate roles (Admin, Seller, User).
- ❑ **Book Collection:** Verify required fields (title, author, price, genre).
- ❑ **Order Collection:** Confirm buyer ID and book ID references are valid.



SCREENSHOTS



ADMIN



BookStore

User Seller Admin

Loginto Admin account

Email address

Password


[Log in](#)


Don't have an account? [Create](#) [Signup](#)



ADMIN



BookStore(Admin)				
Home Users Sellers Logout (tester)				
Users				
sl/no	Userid	User name	Email	Operation
1	673b6174a74b67f59fb52028	testuser	testuser@gmail.com	 view

BookStore(Admin)				
Home Users Sellers Logout (tester)				
Vendors				
sl/no	Userid	User name	Email	Operation
1	673b60fca74b67f59fb5201c	testseller	testseller01@gmail.com	 view

SELLER



Seller Registration

Name

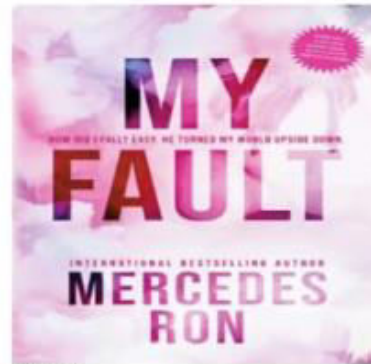
Email address

Password

Signup

Already have an account [Login](#)

Books List



my fault

Author: Mercedes Ron

Genre: romance

Price: \$550

Remove from Wishlist

View



things we never got over

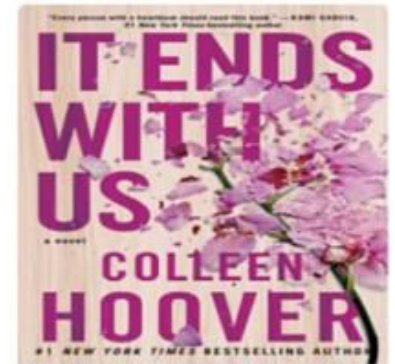
Author: Nikhil Raj

Genre: Fiction

Price: \$238

Remove from Wishlist

View



it ends with us

Author: colleen hoover

Genre: romance

Price: \$550

Add to Wishlist

View

SELLER



BookStore(Seller) Home Myproducts Add Books Orders Logout(sellertest)

Add Furniture

Title: 1

author:

genre:

Price:

Description:

Item Image:

Choose File No file chosen

Submit

USER



BookStore [User](#) [Seller](#) [Admin](#)

Login to user account

Email address

Email address

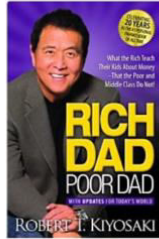
Password

[Log in](#)

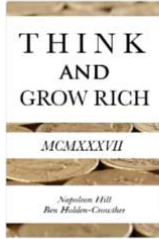
Don't have an account? [Create](#) [Signup](#)

BookStore [Home](#) [Books](#) [Wishlist](#) [My orders](#) [Logout\(testuser\)](#)

Best Seller



RICH DAD
POOR DAD




THINK
AND
GROW RICH

MCMXXVII

Napoleon Hill
Best Hidden-Concepts


THINK AND
GROW RICH



DON'T
LET HER
STAY

NICOLA SANDERS

DON'T LET HER STAY



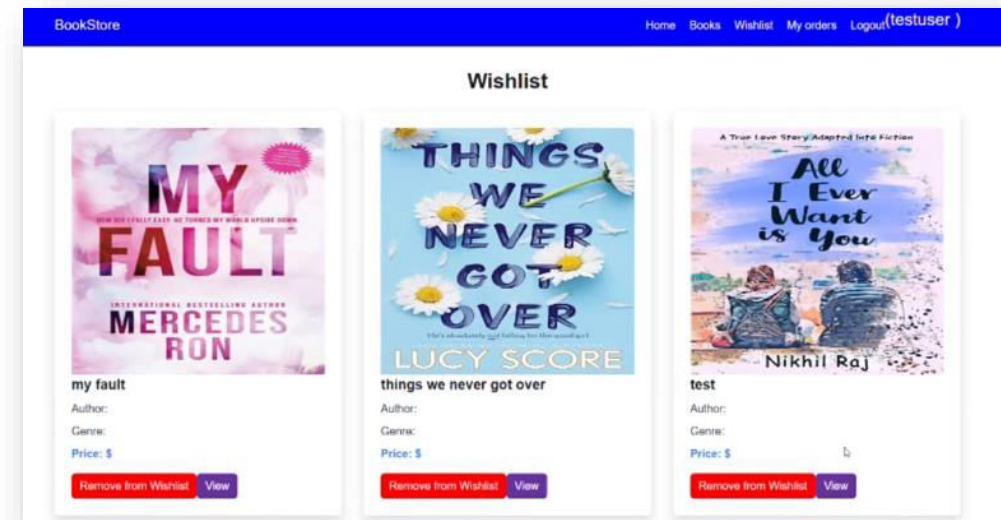
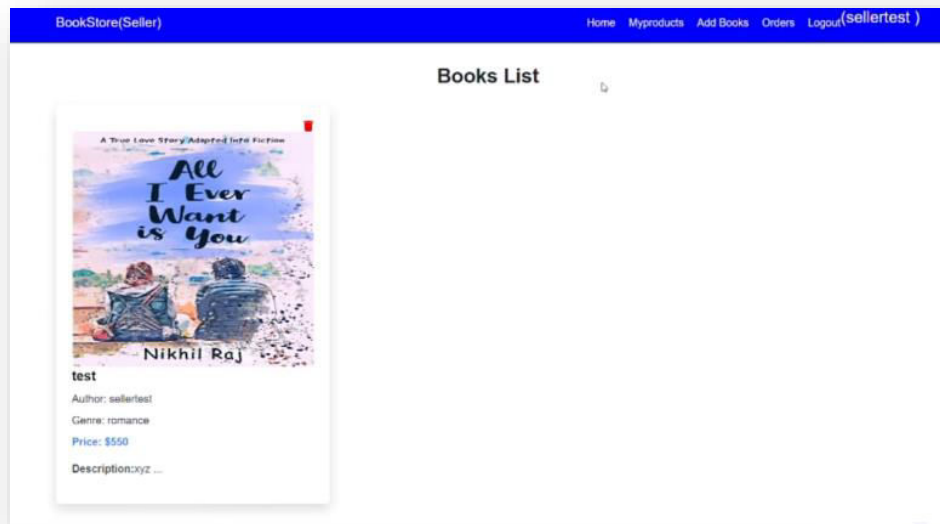
BILL O'REILLY
A NOVEL BY
Killing
the
Witches

THE HORROR of
SALEM, MASSACHUSETTS

KILLING THE WITCHES



Top Recommendation

USER



USER



BookStore								
Home Books Wishlist My orders Logout(testuser)								
My Orders								
	ProductName:	Orderid:	Address:	Seller	BookingDate	Delivery By	Price	Status
	-b61b	673b61b9a7	24, xyz,(600145), tn.	testseller	18/11/2024	11/25/2024	\$649	ontheway
	ProductName:	Orderid:	Address:	Seller	BookingDate	Delivery By	Price	Status
	l-c154	673c1544a7	14, x,(600458), y.	sellertest	19/11/2024	11/26/2024	\$649	ontheway

Top Recommendation



HARRY POTTER



ELON MUSK



THE MOSQUITO



JOURNEY ON THE JAMES

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CONCLUSION



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