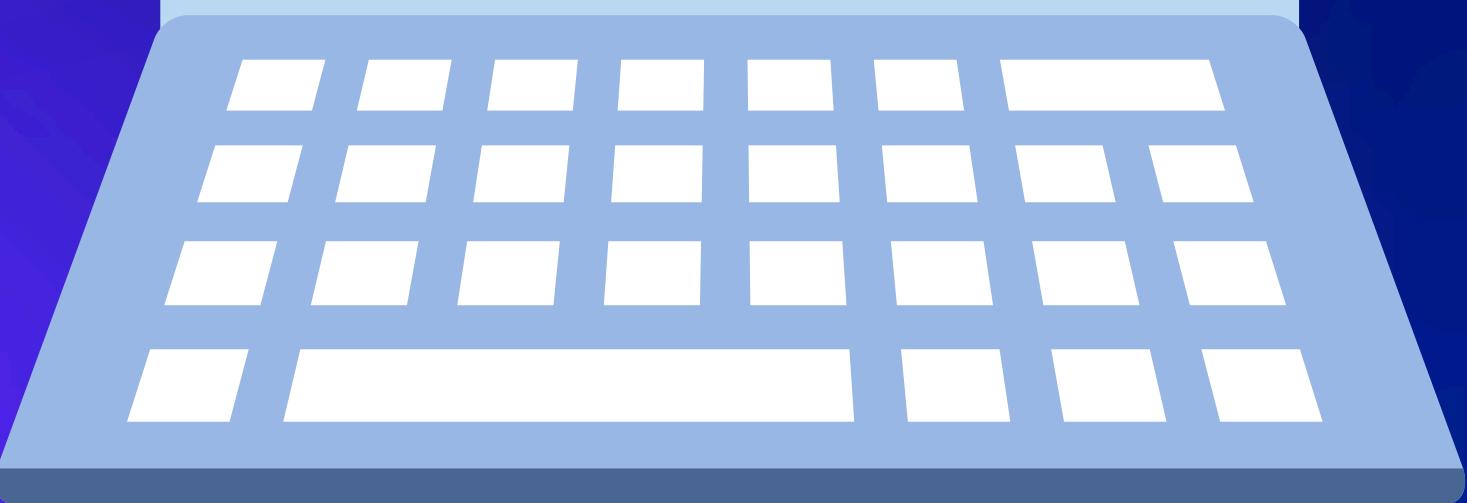


e-LIBRARIAN

AN ONLINE LIBRARY MANAGEMENT SYSTEM

-By Jigyasu Patel



INTRODUCTION

E-librarien is a cutting-edge online library management system that reimagines the traditional library experience by seamlessly integrating digital solutions. This project aims to enhance the efficiency, accessibility, and user-friendliness of library services, catering to both administrators and students.

Purpose

The primary purpose of e-librarien is to streamline and modernize the traditional library management process. In a rapidly evolving digital landscape, it becomes imperative to adapt and leverage technology for more efficient and accessible services. E-librarien aims to bridge the gap between traditional libraries and contemporary digital solutions, making book management, issuance, and accessibility more user-friendly.

FEATURES

1- User Authentication:

Student can register through their collage Email ID and able to create a password for their account. And admin aslo can register through their Email Id.

2- Role-based Access:

There is two type of login system. First as asmin and second is as student.

3- Book Add and Delete:

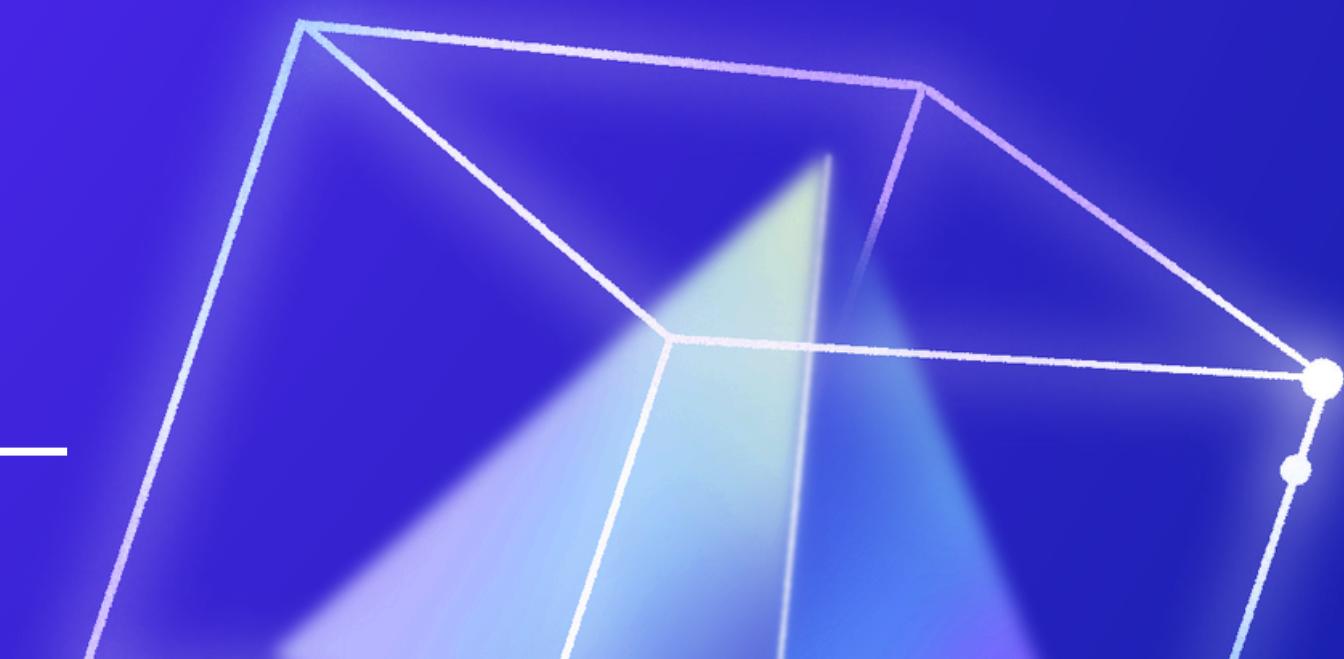
Admin can add, edit and delete the books from the database.

4- Book Availability:

E-librarien enables students to check book availability and number of book available in the library.

5- Request For Book:

The student can request to admin for the book which is available in the library.



TECHNICAL IMPLEMENTATION

Frontend

- HTML
- CSS
- JAVASCRIPT
- REACT

Backend

- NODE JS
- MONGO DB

[GITHUB LINK](#)

HOME PAGE

New announcement: "Create a c x | Create a concise PowerPoint pre x Vite + React x - X

localhost:5173

e-Librarian

Search Books Search Books Login

Library

Within the pages of a book, lies the doorway to a world of imagination, adventure, and enlightenment. Embrace the journey of discovery, for within the depths of knowledge, one finds the keys to unlock boundless possibilities.

99°F Haze

Search

ENG IN

19:35 27-04-2024 PRE

LOGIN PAGE

The screenshot shows a web browser window with a dark theme. The address bar displays "localhost:5173/login". The main content area features a light gray "Login" form. The form includes fields for "Username" (containing "admin"), "Password" (containing a series of dots), and "Role" (a dropdown menu with options "Admin" and "Student", where "Admin" is selected). A green "Login" button is at the bottom of the form. At the top of the page, there is a header with the text "e-Librarian" and navigation links for "Search Books", "Search", "Books", and "Login". The browser's taskbar at the bottom shows various open tabs and system icons.

New announcement: "Create a concise PowerPoint pre..." | Create a concise PowerPoint pre... | Vite + React

localhost:5173/login

e-Librarian

Search Books

Search

Books Login

99°F Haze

Search

19:36 27-04-2024 ENG IN

PRE

DASHBOARD

New announcement: "Create a concise PowerPoint pre..." | Create a concise PowerPoint pre... | Vite + React

localhost:5173/dashboard

e-Librarian

Search Books Books Add Book Add Student Dashboard Logout

Total Books
11

Total Students
4

Total Admins
1

99°F Haze

Search

19:38 27-04-2024 ENG IN

PRE

BOOKS PAGE

New announcement: "Create a c | Create a concise PowerPoint pre | Vite + React

localhost:5173/books

e-Librarian

Search Books Books Add Book Add Student Dashboard Logout



physics
Author: Jigyasu
Available: 33
ISBN Code: JIGGY74843



chemistry
Author: Samantha Smith
Available: 25
ISBN Code: ABCD123456



biology
Author: John Doe
Available: 15
ISBN Code: EFGH789012

99°F Haze  ENG IN 19:38 27-04-2024

DATA STORAGE

MongoDB Compass - localhost:27017/elibrarian.books

Connect Edit View Collection Help

localhost:27017

elibrarian > books

Documents 11 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#)

EXPLAIN RESET FIND Options

ADD DATA EXPORT DATA UPDATE DELETE

1 - 11 of 11

`_id: ObjectId('6627627e82c5b4805e42d426')
name : "physics"
author : "Jigyasu"
imageUrl : "https://katkronenberg.com/wp-content/uploads/2018/01/First-Book-logo-w..."
availableQuantity : 33
ISBNCode : "JIGGY74843"
__v : 0`

`_id: ObjectId('662764f195802aa07ac9fe8b')
name : "chemistry"
author : "Samantha Smith"
imageUrl : "https://katkronenberg.com/wp-content/uploads/2018/01/First-Book-logo-w..."
availableQuantity : 25
ISBNCode : "ABCD123456"
__v : 0`

`_id: ObjectId('662764f195802aa07ac9fe8c')
name : "biology"
author : "John Doe"
imageUrl : "https://katkronenberg.com/wp-content/uploads/2018/01/First-Book-logo-w..."
availableQuantity : 15
ISBNCode : "EFGH789012"
__v : 0`

>_MONGOSH

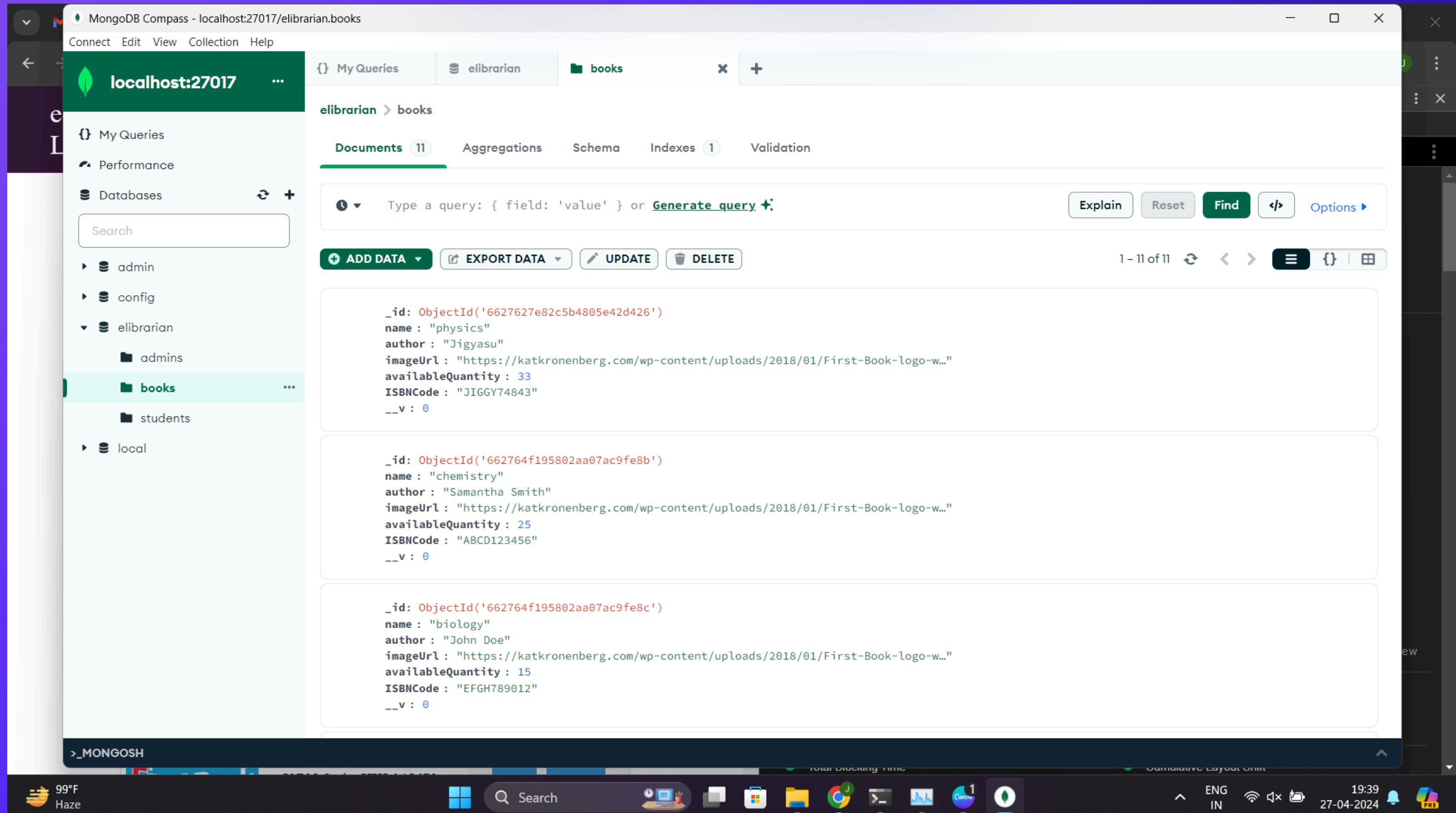
99°F Haze

Search

Total Blocking Time

Cumulative Layout Shift

ENG IN 19:39 PRE 27-04-2024



REPORT

New announcement: "Create a concise PowerPoint pre... | Create a concise PowerPoint pre... | Vite + React

localhost:5173/books

e-Librarian

Search Books Search Books

Books Add Book Add Student Dashboard Logout



physics
Author: Jigyasu
Available: 33
ISBN Code: JIGGY74843

[Edit](#) [Delete](#)



chemistry
Author: Samantha Smith
Available: 25
ISBN Code: ABCD123456

[Edit](#) [Delete](#)



biology
Author: John Doe
Available: 15
ISBN Code: EFGH789012

[Edit](#) [Delete](#)



mathematics
Author: Emily Johnson
Available: 30

[Edit](#) [Delete](#)

99°F Haze

Search

Elements Console Sources Network Performance Lighthouse

7:38:45 PM - localhost:5173

http://localhost:5173/dashboard

Performance Accessibility Best Practices SEO PWA

85 100 100 89

Performance

85

Performance

Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator.](#)

▲ 0–49 ■ 50–89 ● 90–100

METRICS

First Contentful Paint 1.4 s

Largest Contentful Paint 2.1 s

Total Blocking Time

Cumulative Layout Shift

Total Books: 11
Total Students: 4
Total Admins: 1

Expand view

19:39 ENG IN 27-04-2024 PRE

THANK YOU!

