

Library Management SYSTEM

Ryan Aahil - 1MS22CS117
Pathan Irbaz - 1MS22CS100
Shamanth Hiremath - 1MS22CS128
Siddhanth Pradhan - 1MS22CS142
Sanchit Vijay - 1MS22CS122
Sheikh Javeed - 1MS22CS133

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Introduction

The Library Management System (LCMS) is a web application designed to manage library activities, such as handling members and book transactions.

Built on the **MERN** stack (MongoDB, Express.js, React.js, Node.js), it provides a user-friendly interface for administrators and students to interact with the library system effectively.

FEATURE LIST

- **Authentication**
Separate Admin and Student login.
- **Dashboards**
Admin and Student have dedicated dashboards.
- **Library Member Management**
Add, edit, and delete library members.

FEATURE LIST

Book Management

Add, edit, and delete book details.

Transaction Management

- Issue and return books.
- View transaction history.

Responsive Design

Accessible across devices.

Tech STACK

O1

Frontend

- **React.js**: Dynamic user interface.
- **Bootstrap**: Responsive design and styling.

O2

Backend

- **Node.js**: Runtime environment.
- **Express.js**: Web framework for API development.

O3

Database

MongoDB:

- Stores library data (books, members, transactions).
- NoSQL database for scalability.

O4

Authentication and Security

- **JWT**: Secure authentication mechanism.
- **Bcrypt.js**: Password encryption.



Tech STACK

O5

API Communication

Axios: Simplifies HTTP requests between frontend and backend.

Roles



Shamanth Hiremath - Project Lead

Ryan Aahil - Documentation Lead

Pathan Irbaz - Frontend Lead

Sanchit Vijay - Backend Dev 1

Sheikh Javeed - Backend Dev 2

Siddhanth Pradhan - Code Reviewer

MAIN REPO

ShamanthHiremath / LibraryManagementSystemGitProject

Type to search

Code Issues 1 Pull requests Actions Projects Wiki Security Insights

LibraryManagementSystemGitProject Public

Watch 2 Fork 0 Star 0

main 6 Branches 0 Tags Go to file Add file Code

ShamanthHiremath Merge pull request #16 from ShamanthHiremath/pathan 256d3c · 8 minutes ago 30 Commits

backend Merge pull request #10 from ShamanthHiremath/sanchit 1 hour ago

frontend Merge branch 'irbaz' of https://github.com/ShamanthHirem... 24 minutes ago

LICENSE .\LICENSE added yesterday

README.md readme file added 52 minutes ago

README MIT license

Library Management System

A web app for managing all the activities of a library like managing members and book transactions, built on MERN Stack



Library CMS

Video Demo

About

No description, website, or topics provided.

Readme

MIT license

Activity

0 stars

2 watching

0 forks

Report repository

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

Contributors 6



Languages

JavaScript 82.1% CSS 16.7%

HTML 1.2%

ISSUES

Filters ▾ Q is:issue is:open

Labels 9 Milestones 0 New issue

1 Open 6 Closed

Author ▾ Label ▾ Projects ▾ Milestones ▾ Assignee ▾ Sort ▾

Create PPT documentation good first issue help wanted

#2 opened 20 hours ago by ShamanthHiremath

This screenshot shows a list of issues. At the top, there are filters set to 'is:issue is:open'. Below this, a summary shows 1 open issue and 6 closed issues. The list itself contains one open issue (labeled '#2') and six closed issues, each with a small profile picture, the issue title, its type (e.g., 'enhancement'), and a timestamp indicating it was closed recently.

Open Issues

Filters ▾ Q is:issue is:closed

Labels 9 Milestones 0 New issue

Clear current search query, filters, and sorts

1 Open 6 Closed

Author ▾ Label ▾ Projects ▾ Milestones ▾ Assignee ▾ Sort ▾

Finish Frontend Features Part enhancement

#8 by ShamanthHiremath was closed 9 minutes ago

Finish Backend Features Part 2 enhancement

#7 by ShamanthHiremath was closed 29 minutes ago

Finish Backend Features Part 1 enhancement

#6 by ShamanthHiremath was closed 1 hour ago

Comment and review codes help wanted

#5 by ShamanthHiremath was closed 1 hour ago

Resolve ISSUES help wanted invalid question

#4 by ShamanthHiremath was closed 1 hour ago

Create README.md documentation good first issue

#3 by ShamanthHiremath was closed 52 minutes ago

This screenshot shows a list of closed issues. It includes a 'Clear current search query, filters, and sorts' button. The list contains six items, each with a small profile picture, the issue title, its type (e.g., 'enhancement'), and a timestamp indicating when it was closed. The last item in the list has a blue border around its title and subtitle, suggesting it might be the currently selected or most recent issue.

Closed Issues

ISSUES

Create README.md #3

Closed ShamanthHiremath opened this issue 20 hours ago · 1 comment

ShamanthHiremath commented 20 hours ago

@ryanaahil Create README.md in ur branch and raise a PR

ShamanthHiremath assigned **ryanaahil** 20 hours ago

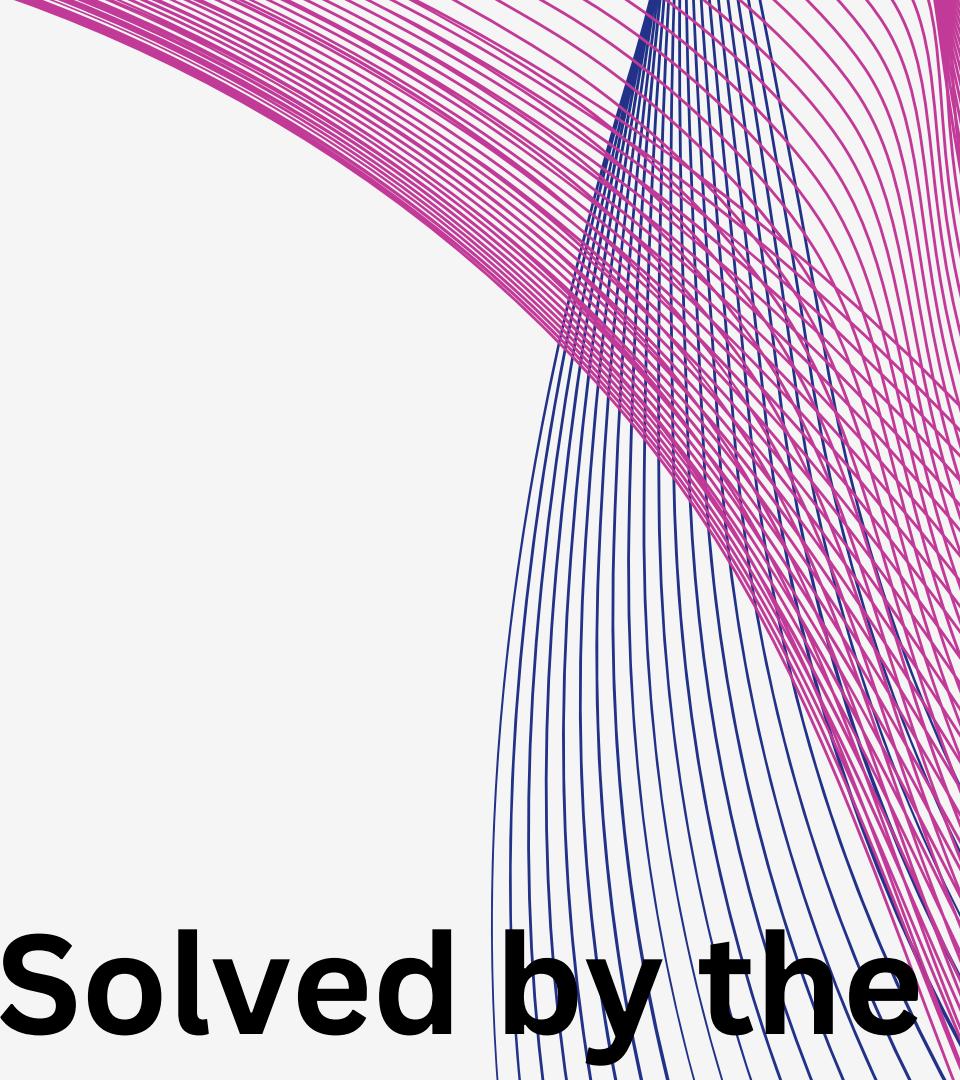
ShamanthHiremath added **documentation** **good first issue** labels 20 hours ago

ryanaahil commented 52 minutes ago

Collaborator ...

Issue Sorted. README File Added. Please Close the Issue

ShamanthHiremath closed this as completed 52 minutes ago



Issue Solved by the
Project Lead

Commit HISTORY

Merge pull request #15 from ShamanthHiremath/ryanaahil	ShamanthHiremath authored 1 hour ago	Verified	450048e		
readme file added	ryanaahil committed 1 hour ago		471ee73		
Merge pull request #10 from ShamanthHiremath/sanchit	ShamanthHiremath authored 1 hour ago	Verified	81ab29e		
Merge pull request #11 from ShamanthHiremath/javeed	ShamanthHiremath authored 1 hour ago	Verified	b61ec08		
Merge pull request #14 from ShamanthHiremath/siddhanth	16siddhanth authored 1 hour ago	Verified	5d446ff		
Adding comments	16siddhanth committed 1 hour ago		69acc70		
Merge pull request #13 from ShamanthHiremath/siddhanth	16siddhanth authored 2 hours ago	Verified	32f1fdd		
Update Book.js	16siddhanth committed 2 hours ago		66f5e5d		
Merge pull request #12 from ShamanthHiremath/siddhanth	16siddhanth authored 2 hours ago	Verified	6d7245f		



PROJECT MANAGEMENT WITH GIT

THANK YOU.

Ryan Aahil - 1MS22CS117



Pathan Irbaz - 1MS22CS100



Shamanth Hiremath - 1MS22CS128



Siddhanth Pradhan - 1MS22CS142



Sanchit Vijay - 1MS22CS122



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