

Library Management System

Logan Young

Demo Link: https://iu.mediaspace.kaltura.com/media/t/1_567z08ew

GitHub Link: <https://github.com/loyoun/System-Design-Final-Project>

Features

1. Create an account to use the LMS. Sign in and out as needed.
2. Members can check out and return books from the library.
3. Submit a hold request for a book.
4. Submit a suggestion to the library for a book they should obtain.
5. Staff can edit the LMS's books as needed, excepting outright deletion.
6. Staff can promote a user to a member account.
7. Administrators can edit all account levels and all books.
8. Users can view the LMS's books as well as the ones they currently have checked out.
9. Users can sort and filter the library's books.

(3, 6, and 7 were not finished in time.)

System Requirements

The LMS should run on most browsers, but it was created for and tested in Mozilla Firefox. To run on your local device, you'll need to create the associated database in your own installation of MySQL server.

Screen Captures

Library Management System

Sign In

Sign In

Account Type: Member

Email: test@test.com

Password:

Submit

Create Account

First Name: Your First Name

Last Name: Your Last Name

Email: Your Email

Password: Your Password

Submit

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Library Management System

Home

Log Out

User View

Welcome, test!

Account Level: MEMBER

Books Currently Checked Out:

• Hitchhiker's Guide to the Galaxy by Douglas Adams

• Rendezvous with Rama by Arthur C. Clarke

Check-Out

Return

Suggest

Check Out

Select a book to check out in the Book View.

Check Out

Book View

All Books

Your Books

Hitchhiker's Guide to the Galaxy

Invisible Cities

The City and the City

Collected Fictions

Piranesi

The Invisible Man

The Time Machine

Rendezvous with Rama

Title: Hitchhiker's Guide to the Galaxy Author: Douglas Adams Genre: Science Fiction Status: CHECKED_OUT Publication Date: 1979-10-12T04:00:00.000Z ISBN: 9780330258647 Local ID: 1

Title Contains:

Author Contains:

Genre Contains:

Availability Is:

[Any]

Sort

Sort by Title in Ascending order.

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Library Management System

Home

Log Out

User View

Welcome, bob!

Account Level: STAFF

Books Currently Checked Out:

• Collected Fictions by Jorge Luis Borges

Check-Out

Return

Suggest

Edit Book

Manage Users

Edit Book

Select a book to edit or create a new book.

Edit Book

Create Book

Edit Title:

New Title

Edit Author:

New Author

Edit Genre:

New Genre

Edit Publication Date:

1970-01-01

Edit ISBN:

0123456789012

Book View

All Books

Your Books

The Invisible Man

The Time Machine

The Masque of the Red Death

Hitchhiker's Guide to the Galaxy

The City and the City

Filters

Title Contains:

the

Author Contains:

Genre Contains:

Availability Is:

[Any]

Sort

Sort by Author in Descending order.