

# Library Management System

Logan Young

Demo Link: [https://iu.mediaspace.kaltura.com/media/t/1\\_567z08ew](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:

Email:

Password:

**Create Account**

First Name:

Last Name:

Email:

Password:

*Designed by Logan Young*

## 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
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	The Time Machine	Rendezvous with Rama

Filters

Availability Is:

Sort

Sort by  in  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:

Edit Author:

Edit Genre:

Edit Publication Date:

Edit ISBN:

**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

Availability Is:

Sort

Sort by  in  order.