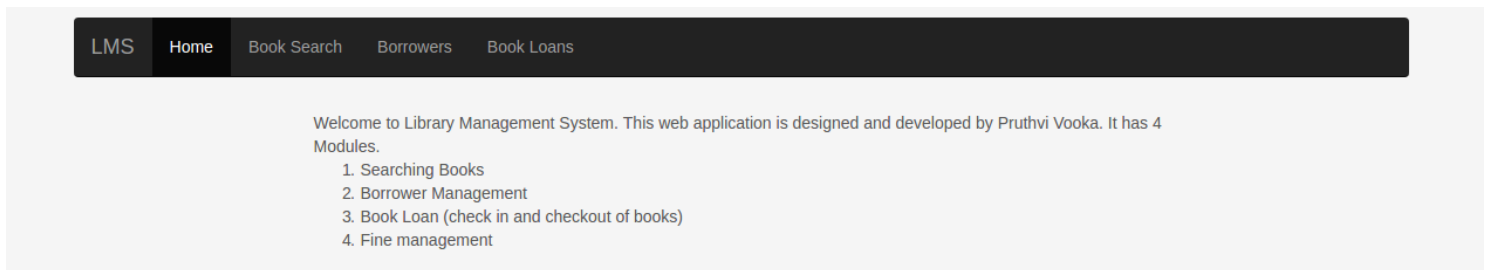


Quick Start: Library Management System

1. Home Screen

This is the home screen of the web application.

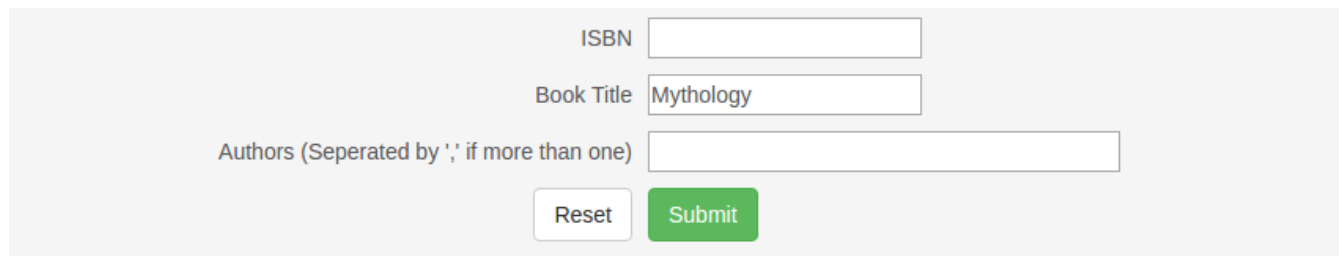


The screenshot shows the home screen of the Library Management System (LMS). At the top is a dark navigation bar with the following links: LMS, Home, Book Search, Borrowers, and Book Loans. Below the navigation bar, the main content area has a light gray background. It contains a welcome message: "Welcome to Library Management System. This web application is designed and developed by Pruthvi Vooka. It has 4 Modules." followed by a numbered list of modules: 1. Searching Books, 2. Borrower Management, 3. Book Loan (check in and checkout of books), and 4. Fine management.

2. Book Search

2.1. Book Search Home

Click on the “Book Search” in the navigation bar, you will be directed to the book search home where you can search books.



The screenshot shows the Book Search Home form. It has a light gray background. At the top, there is a label "ISBN" followed by a text input field. Below that, there is a label "Book Title" followed by a text input field containing the word "Mythology". Below the "Book Title" field, there is a label "Authors (Seperated by ',' if more than one)" followed by a text input field. At the bottom of the form, there are two buttons: a "Reset" button and a "Submit" button.

2.2. Book Search Ouput

Click on the submit button after typing the keywords. The result will be displayed below the form.

ISBN	Title	Authors	Avaliable
0195153448	Classical Mythology	Mark P. O. Morford,Robert J. Lenardon	Avaliable
0445210214	Mythology 101 (Questar Fantasy)	Jody Lynn Nye	Avaliable
0446607258	Mythology: Timeless Tales Of Gods And Heroes	Edith Hamilton	Avaliable
0451628039	Mythology (Mentor)	Edith Hamilton	Avaliable
0525470417	A Handbook Of Greek Mythology	H. J. Rose	Avaliable
0590414488	Gods, Demigods, And Demons: An Encyclopedia Of Greek Mythology (Point)	Bernard Evslin	Avaliable
078943413X	Illustrated Dictionary Of Mythology	Philip Wilkinson	Avaliable
0821223275	The Ancient Egypt Pack: A Three-Dimensional Celebration Of Egyptian Mythology, Culture, Art, Life And Afterlife	Christos Kondeatis,Sara Maitland	Avaliable
087226002X	Celtic Mythology (Library Of The World's Myths And Legends)	Proinsias Mac Cana	Avaliable

3. Borrower Management

Click on “Borrowers” in the navigation bar.

3.1. Borrower Input

You will be able to see the form to fill out for creating new borrowers.

Ssn:	<input type="text" value="128738129"/>
First name:	<input type="text" value="Pruthvi"/>
Last name:	<input type="text" value="Vooka"/>
Email:	<input type="text" value="pruthvi.vooka@gmail.com"/>
Address:	<input type="text" value="800 W Campbell Road"/>
City:	<input type="text" value="Richardson"/>
State:	<input type="text" value="TX"/>
Phone:	<input type="text" value="1234567890"/>
<div><input type="button" value="Reset"/> <input type="button" value="Submit"/></div>	

3.2. Borrowers Output

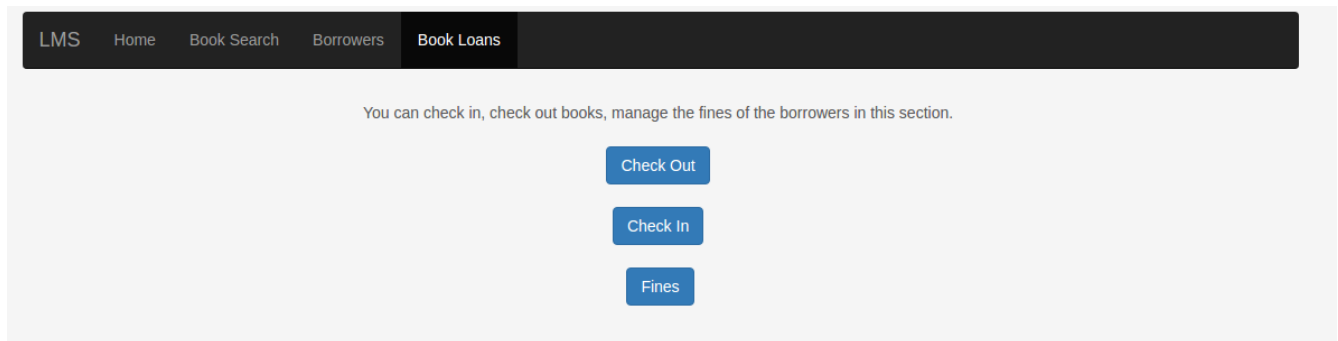
Click on submit to create the borrower. If you made any mistake which violates the system, it will show an error message instead of a success message.

Borrower's accout is created successfully and his number is 1005

• SSN must be numbers of length 9.	
Ssn:	<input type="text" value="1234567g3"/>
First name:	<input type="text" value="flksdjflksdajflksdjf"/>
Last name:	<input type="text" value="fkldsajflksdjfl"/>
• Borrower with this Email already exists.	
Email:	<input type="text" value="pruthvi.vooka@gmail.com"/>

4. Book Loan


Click on the “Book Loans” button in the navigation bar. You will be able to see the home screen for book loans.



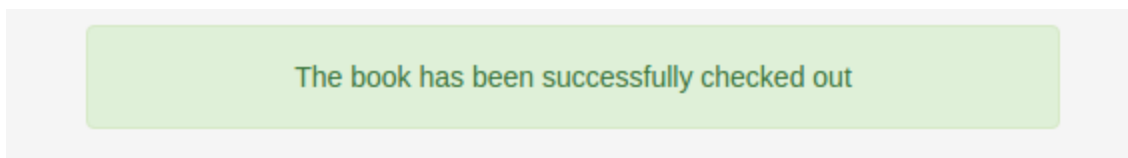
The screenshot shows a web application interface for book loans. At the top is a dark navigation bar with links: LMS, Home, Book Search, Borrowers, and Book Loans (which is highlighted). Below the navigation bar, a light gray area contains the text: "You can check in, check out books, manage the fines of the borrowers in this section." In the center of this area are three blue buttons stacked vertically: "Check Out", "Check In", and "Fines".

4.1. Book Check Out

Click on the checkout button and fill the form to checkout and click submit



The screenshot shows a form for checking out a book. It has two input fields: "Card ID" with the value "123" and "Book ISBN" with the value "0001047973". Below the fields are two buttons: "Reset" and "Submit".



The screenshot shows a green message box with the text: "The book has been successfully checked out".

4.2. Book Check in

Card ID

123

Borrower Name

Book ISBN

Reset

Submit

ISBN	Card ID	Borrower Name	Check IN
0060973129	123	Antonio Bishop	<div>Check In</div>
0001047973	123	Antonio Bishop	<div>Check In</div>

The book has been checked in successfully.

Click on the check in button in the home page of book loans and search for the book loan using the card id or the isbn or both and click submit. Once you find the book click on the check in button.

5. Fines

Click on the “Book Loans” button to go back to the book loans home page. Click on the fines button in the page. Click on the Include Paid Fines/Remove Paid Fines button to filter the paid fines.

Remove Paid Fines

Refresh Fines

Card ID

Reset

Submit

Borrower Name	Card ID	Total Fine	Record Fine Payment
Anne Moreno	331	6.00	<div>Record</div>
Katherine Boyd	228	4.25	<div>Record</div>
Edward Hawkins	63	3.75	<div>Record</div>
Chris Duncan	427	3.50	<div>Record</div>
Thomas Scott	217	3.50	<div>Record</div>

5.1. Refresh Fines

Click on the refresh fines button to refresh the fines.

Fines are refreshed successfully!

5.2. Record Fines

Click on the Record Payment to record a payment for a fine.

Payment of \$6.00 has been recorded on the card number 331 for total of 1 fines.