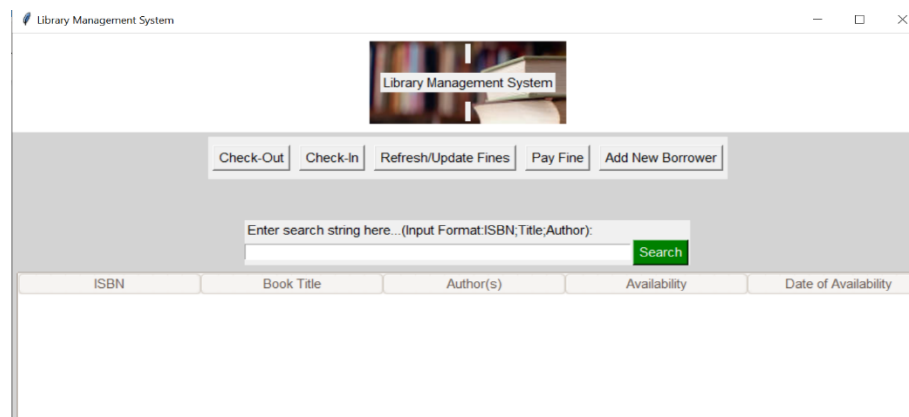


Library Management System User Guide

Name: Venkata Naga Rohith Chintakrinda (VXC210001)

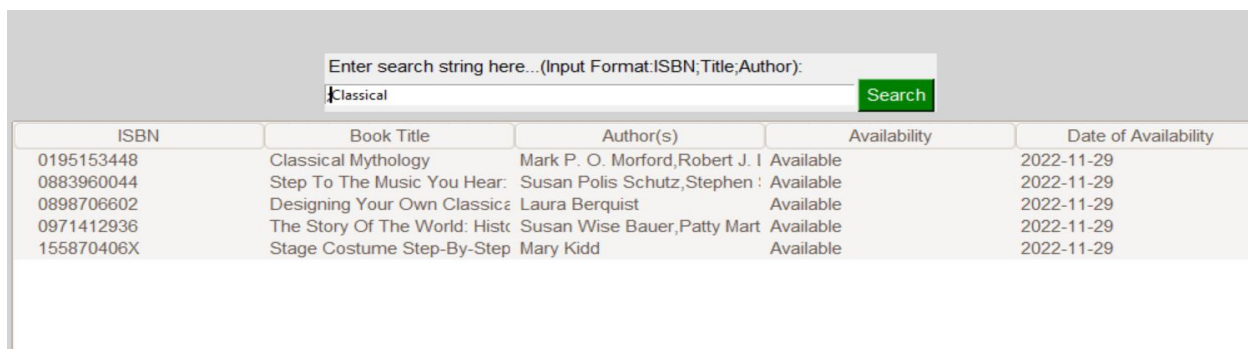
Below is the User Guide for the systems and listed a set of operations performed in it:

1. **Home Page:** In the home page, there are all the main functionalities defined such as Book Search and availability, check-in, and check-out of the book, adding new borrower, updating the fines on the daily basis. The search string in the home page should be given in the format (ISBN;Title;Author) which gives the output in the below columns.



The screenshot shows the home page of the Library Management System. At the top, there is a header bar with the title 'Library Management System' and a small image of a library. Below the header, there are five buttons: 'Check-Out', 'Check-In', 'Refresh/Update Fines', 'Pay Fine', and 'Add New Borrower'. In the center, there is a search bar with the placeholder text 'Enter search string here...(Input Format:ISBN;Title;Author):' and a green 'Search' button. Below the search bar, there is a table with five columns: 'ISBN', 'Book Title', 'Author(s)', 'Availability', and 'Date of Availability'.

2. **Book Availability:** This shows the available books and unavailable books when searched with a string in the searched bar.



The screenshot shows the search results for the query 'Classical'. The search bar contains the text 'Classical' and the 'Search' button is green. Below the search bar, there is a table with five columns: 'ISBN', 'Book Title', 'Author(s)', 'Availability', and 'Date of Availability'.

ISBN	Book Title	Author(s)	Availability	Date of Availability
0195153448	Classical Mythology	Mark P. O. Morford, Robert J. I	Available	2022-11-29
0883960044	Step To The Music You Hear:	Susan Polis Schutz, Stephen :	Available	2022-11-29
0898706602	Designing Your Own Classic	Laura Berquist	Available	2022-11-29
0971412936	The Story Of The World: Hist	Susan Wise Bauer, Patty Mart	Available	2022-11-29
155870406X	Stage Costume Step-By-Step	Mary Kidd	Available	2022-11-29

3. **Check Out:** This option enables to check out a book. After searching for a required book, it can be checked out by clicking on the button 'Check Out' for a borrower. The check out window will ask for a borrower id to complete the process of loaning out the book.

Enter search string here...(Input Format:ISBN;Title;Author):
 ;Classical Search

ISBN	Book Title	Author(s)	Availability	Date of Availability
0195153448	Classical Mythology	Mark P. O. Morford, Robert J. I	Available	2022-11-29
0883960044	Step To The Music You Hear:	Susan Polis Schutz, Stephen :	Available	2022-11-29
0898706602	Designing Your Own Classic	Laura Berquist	Ava	2022-11-29
0971412936	The Story Of The World: Hist	Susan Wise Bauer, Patty Mart	Ava	2022-11-29
155870406X	Stage Costume Step-By-Step	Mary Kidd	Ava	2022-11-29

Done
×

i Book Loaned Out!
 OK

4. **Check in:** Once the book is Check out it should be Check-in. In such a case this option will be used to Check-in the books.

Enter Borrower ID or Borrower Name or ISBN here...

id000008 Search

Loan ID	ISBN	Borrower ID	Book Title
14	0195153448	id000008	Classical Mythology

Check In

5. **Refresh/Update fines:** This functionality is used to generate fines for the books that are turned-in late. And refresh the fines if the fines are needs to be updated.

Check-Out Check-In Refresh/Update Fines Pay Fine Add New Borrower

Enter search string here...(Input Format:ISBN;Title;Author):
Search

ISBN	Book Title	Author(s)	Availability	Date of Availability
------	------------	-----------	--------------	----------------------

Info
×

i Generated Fines
 OK

6. **Show Fine and Pay Fine:** This option is used to show and pay fines if the borrower has any fines that need to be paid, that fine can be paid by using the “pay fine” option.

The screenshot shows a window titled "Fine!!" with a search bar labeled "Enter Borrower ID here!" containing the text "id00000". Below the search bar is a green "Show Fines" button. A table displays the following data:

Loan Id	ISBN	Book Title	Fine Amount	Return Status	Payment Status
3	0486256111	Story Of The "Titanic": 24 Car	0.75	2022-11-30	Not Paid
1	0486256111	Story Of The "Titanic": 24 Car	0.25	2022-11-28	Paid
4	0345368436	Douglas Adams's Starship Tit	0.5	2022-12-13	Paid
2	0609601032	Douglas Adams's Starship Tit	0.25	2022-11-28	Paid

Below the table, a summary bar shows "Fine: \$ 0.75" and a red "Pay Fine" button.

7. **Add New Borrower:** This option is used to add a borrower to the database by filling all the below details and are validated with the existing borrower.

The screenshot shows a "Library Management System" window with a header image and buttons: "Check-In", "Refresh/Update Fines", "Pay Fine", and "Add New Borrower". Below these buttons is a search bar labeled "string here...(Input Format:ISBN;Title;Author):" with a green "Search" button. A table with columns "Author(s)", "Availability", and "Date of Availability" is partially visible. Overlaid on this is a "Adding New Borrower" dialog box titled "Enter Details" with the following fields:

First Name	Last Name
Venkata	Ch

SSN	Phone Number
345345345	8787656543

Street Address	City
800 W Renner Rd	Richardson

State	Email
Tx	lxc210001@utdallas.ed

An "Add" button is at the bottom of the dialog box.