

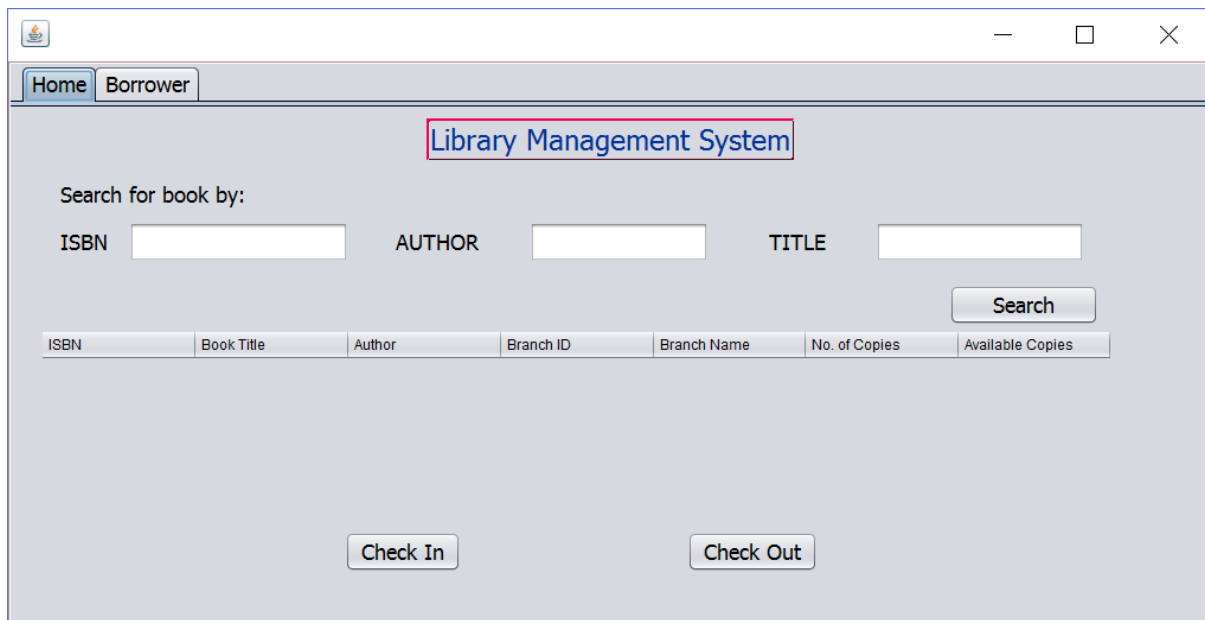
# USER GUIDE FOR LIBRARIAN SYSTEM USERS

The application provides the following functionalities:

- 1) Book Search based on ISBN, AUTHOR and TITLE of the book
- 2) To check out the books to a card holder
- 3) To check in the book loans of various card holders
- 4) To create a new card holder (borrower) in the library.
- 5) To update the fines for the books.

## Library:

- When the application is launched it looks as the following:
- It has tabs for implementation of the above functionalities.



The screenshot displays the 'Library Management System' application window. It features a 'Home' tab and a 'Borrower' tab. The main area contains a search section with the text 'Search for book by:' followed by three input fields labeled 'ISBN', 'AUTHOR', and 'TITLE'. A 'Search' button is positioned to the right of these fields. Below the search section is a table with the following headers: 'ISBN', 'Book Title', 'Author', 'Branch ID', 'Branch Name', 'No. of Copies', and 'Available Copies'. At the bottom of the window, there are two buttons: 'Check In' and 'Check Out'.

## Book Search:

- The book search tab is as shown below. It contains text fields for isbn, title, author of the book.
- The user(librarian) is provided with the capability to search for a book by its name, title and/or isbn.
- The user has the option to check for the availability of the copies and then proceed to the checkout based on his interest.
- The following figure shows the output for book search based on the author = "aldous".

- You can check-in or check-out after the search using the check-in and check-out buttons provided at the bottom which on clicking takes you to the corresponding tab in the borrower tab.

The screenshot shows a web application window titled "Library Management System". It has two tabs: "Home" and "Borrower". The "Borrower" tab is active. Below the tabs, there is a search section with the text "Search for book by:". There are three input fields: "ISBN", "AUTHOR" (containing the text "aldous"), and "TITLE". A "Search" button is to the right of the "TITLE" field. Below the search fields is a table with the following data:

ISBN	Book Title	Author	Branch ID	Branch Name	No. of Copies	Available Copies
0001047973	Brave New World	Aldous Huxley	1	Oak Lawn	0	0
0060809833	Brave New World	Aldous Huxley	1	Oak Lawn	0	0
006080985X	Island	Aldous Huxley	1	Oak Lawn	0	0
0060900075	The Doors Of Perce...	Aldous Huxley	1	Oak Lawn	1	1
0060901012	Brave New World & ...	Aldous Huxley	1	Oak Lawn	1	1
0060901918	The Perennial Philo...	Aldous Huxley	1	Oak Lawn	1	1
0060929871	Brave New World	Aldous Huxley	1	Oak Lawn	0	0
0723216371	The Observer's Boo...	Illustrated By Trevor...	1	Oak Lawn	1	1

Below the table are two buttons: "Check In" and "Check Out". At the bottom, there is a text prompt: "Select a row to either check-in or check-out".

Borrower tab has check-in, check-out, new user and fines tab.

The screenshot shows the "Borrower" tab in the "Library Management System" window. It has four sub-tabs: "Check Out", "Check In", "New User", and "Fines". The "Check Out" sub-tab is active. Below the sub-tabs, there is a red text prompt: "All fields are mandatory \*". There are three input fields: "ISBN \*", "Branch ID \*", and "Card No. \* ID". A "Check Out" button is below the input fields.

## Check Out:

- The user can checkout the books based on the availability shown after the search.

- The user is allowed to checkout a maximum of 3 books. If the borrow limit reaches 3, then the user needs to return the books that he checked out earlier and proceed for a new checkout.
- If the branch don't have the copies available for a specific search, then the user is not allowed to checkout that book.

Home Borrower

Check Out Check In New User Fines

All fields are mandatory \*

ISBN \* 0001047973

Branch ID \* 2

Card No. \* ID 2

Check Out

The Book 0001047973: Brave New World is checked out with Card Number: ID000002

## Check In:

- The user can check in the books.
- He can get the books based on card number or isbn or borrower name . (Get Books button)
- The user has to select one book at a time to check in it.

Home Borrower

Check Out Check In New User Fines

ISBN First Name

Card No. ID 2 Last Name

ISBN	Card No	Borrower Name	Loan Id	Branch Id	Fine Amt
0001047973	2	EricWarren	1024	3	0.0
0001047973	2	EricWarren	1028	2	0.0

Show BookLoans Check In

Select the book which you want to check-in

After Checking in: (Check In button)

The screenshot shows a web application window with a title bar and standard window controls. The interface has a top navigation bar with 'Home' and 'Borrower' tabs. Below this is a sub-navigation bar with 'Check Out', 'Check In', 'New User', and 'Fines' buttons. The 'Check In' button is highlighted. The main form area contains input fields for 'ISBN', 'First Name', 'Card No.', and 'Last Name'. The 'Card No.' field has the value '2'. Below the form is a table displaying loan information:

ISBN	Card No	Borrower Name	Loan Id	Branch Id	Fine Amt
0001047973	2	EricWarren	1024	3	0.0

Below the table are two buttons: 'Show BookLoans' and 'Check In'. The 'Check In' button is highlighted. At the bottom of the window, a message reads: 'Thank You...!! Your book has been checked in.'

When there is fine to pay for the corresponding check-in of the book then a dialogue box is displayed showing the fine amount and asking if the member want to pay the fine or not.

If he wants to pay the fine then by clicking on 'Yes' the fines tab is displayed and if it's 'No' then there is no change in tab.

## **Creating new borrower**

- A new borrower can be created by providing the details like name, ssn, address etc.
- A new card number will be generated when a new borrower is registered successfully.
- A new member with different name but same SSN will not be created.
- Once a borrower is registered, he will not be allowed to register again in the system.

Home Borrower

Check Out Check In New User Fines

All fields marked \* are mandatory

First Name \* navya Last Name \* paladugu

SSN \* (xxx-xx-xxx) 222-33-5555 Address \* 7777 mccallum

City \* dallas State \* texas

Email Phone

Add New User

On clicking Add New User button:

Home Borrower

Check Out Check In New User Fines

All fields marked \* are mandatory

First Name \* Last Name \*

SSN \* (xxx-xx-xxx) Address \*

City \* State \*

Email Phone

Add New User


The Borrower's Card Number is: ID001024

As shown above a new borrower is created with a new card number.

## **Fines:**

- In the fines tab the user can pay the fine of the borrower if he has any.
- Update fines is used to automatically update the fines of every loan id.
- The user can get the details of the fines by providing the card number. The user also gets the estimated fine till date if the book is not returned.
- The user cannot pay the fine without checking in the book.
- 'Pay Fine' is used to updated the loan id if the fine is paid.

- Total Fine amount for the given card number is shown when the total fine button is clicked.



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Home

Borrower

Check Out

Check In

New User

Fines

Card No.

ID

888

Get Details

☒ Show Previously Paid

Loan Id	ISBN	Fine Amt	Paid	Book Returned
2	0802769756	0.25	False	Yes

Select a row for which you wish to pay fine

Pay Fine

Update Fines

Total Fine