

LIBRARY MANAGEMENT SYSTEM

1.0 Introduction

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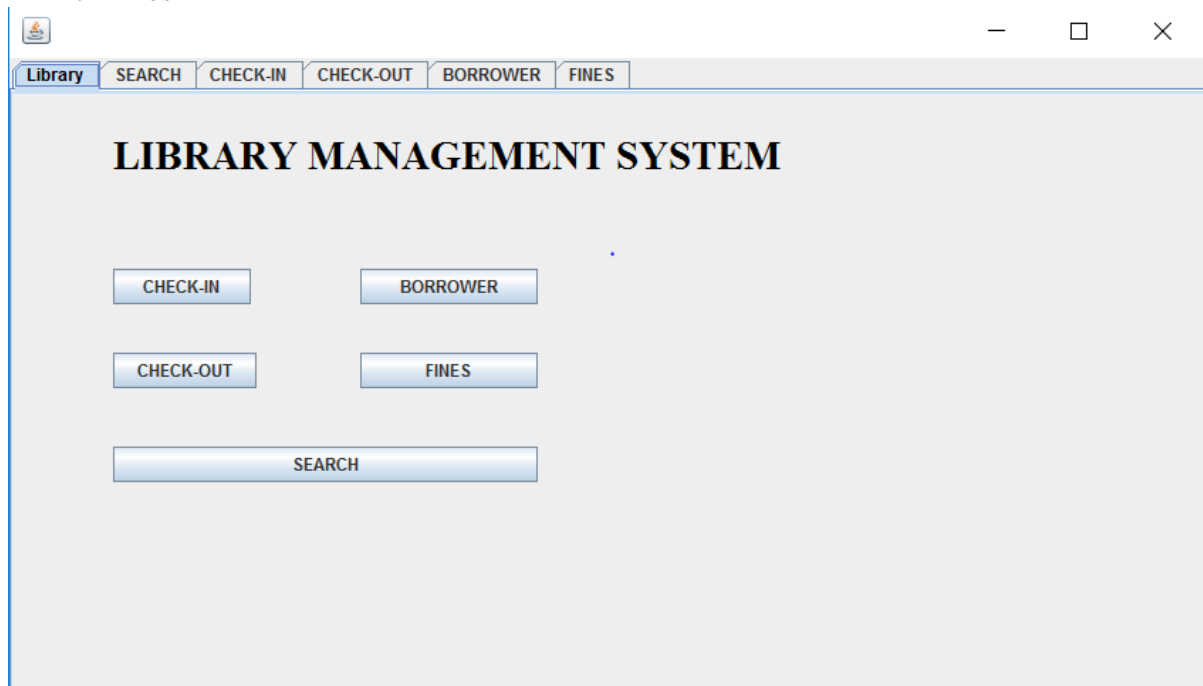
4.01 Account Creation

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1.0 Introduction

Library Management System provides the basic functionalities of library like

1. Search
2. Check in, check out
3. Add borrower
4. Fines



2.0 Book Search

Search Implementation is supported using substring matching and also 7 different ways using ISBN, Title and Author fields.

1. Search by author
2. Search by title
3. Search by ISBN
4. Search by ISBN and Title
5. Search by ISBN and Author
6. Search by Title and Author

7. Combined Search

Combined Search

The user has the capability to search for the book by giving different combinations of the fields like the Book Title, Author or Book ID and the details of the availability are shown on the screen.

ISBN	title	author	branch_id	branch_name	No_of_copies	available_copies
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Click the ‘Search’ button to display the required books.

3.0 Book Loans

3.0.1 Books Checkout

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 doesn't have the copies available for a specific search, then the user is not allowed to checkout that book. The due date is shown to the user for the books that are checked out by that particular user.

CHECK-OUT All * are required fields

ISBN*

CARD_NO*

BRANCH-ID*

MESSAGE

3.0.2 Books Check-in

The user can check-in the book by locating it under the BOOK_LOANS and enter the date-in for the corresponding book. The user can also locate the books based on the Book ID, card number and borrower name.

CHECK-IN

ISBN

FNAME

CARD_NO

LNAME

ID	card_no	Fname	LName	Loan_ID	Difference

When the required books are displayed, the user can select a particular available book and do either check out or check in out by pressing the 'Check Out' or 'Check In' buttons, respectively.

3.0 Borrow Books

4.0.1 Account Creation

A new borrower can create an account by providing the details like Name, SSN, Address, Phone number etc. When the user clicks the ‘Add New Borrower’ button, a new card number will be generated when a new borrower is registered successfully. Once a borrower is registered, he/she will not be allowed to register again in the system.

The screenshot shows a web application window with a tabbed interface. The 'BORROWER' tab is selected. The form contains the following fields:

All * are required fields			
FNAME*	<input type="text"/>	STATE	<input type="text"/>
LNAME*	<input type="text"/>	CITY	<input type="text"/>
SSN*	<input type="text"/>	EMAIL	<input type="text"/>
ADDRESS*	<input type="text"/>	PHONE	<input type="text"/>

At the bottom center is an 'ADD' button. At the bottom right is a large empty text box.

4.0 Fines

The details of fines for different books for a particular borrower can be known by entering the Card no. and clicking the ‘Get Details’ button. The total fine that a particular borrower has to pay can be displayed by clicking the ‘Total Fine’ button. The user can pay the fine for a particular borrower and update the fines table by clicking the ‘Pay Fine’ button. Tick the ‘Show Previously Paid’ checkbox to get all the fines history for a particular user.

Library

SEARCH

CHECK-IN

CHECK-OUT

BORROWER

FINES

FINES

☐ show previously paid

card_no

ID

Get Details

loan_id	ISBN	Fine_amt	paid	Book_Returned

Pay_Fine

Update Fines

Total Fine