

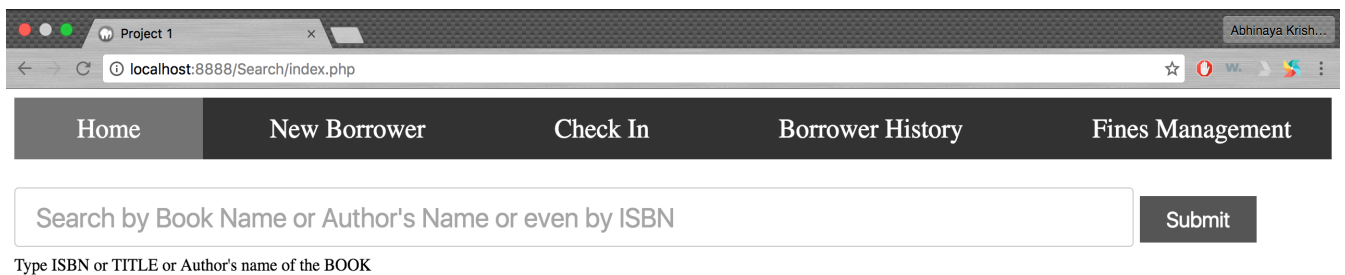
# LIBRARY MANAGEMENT SYSTEM (USER MANUAL)

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2. Book Search
3. Book Loans
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4. Borrow Books
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## 1. Introduction

Library Management System provides the basic functionalities of library like

1. Search
2. Check in, check out
3. Add borrower
4. Fines
5. Borrower's History

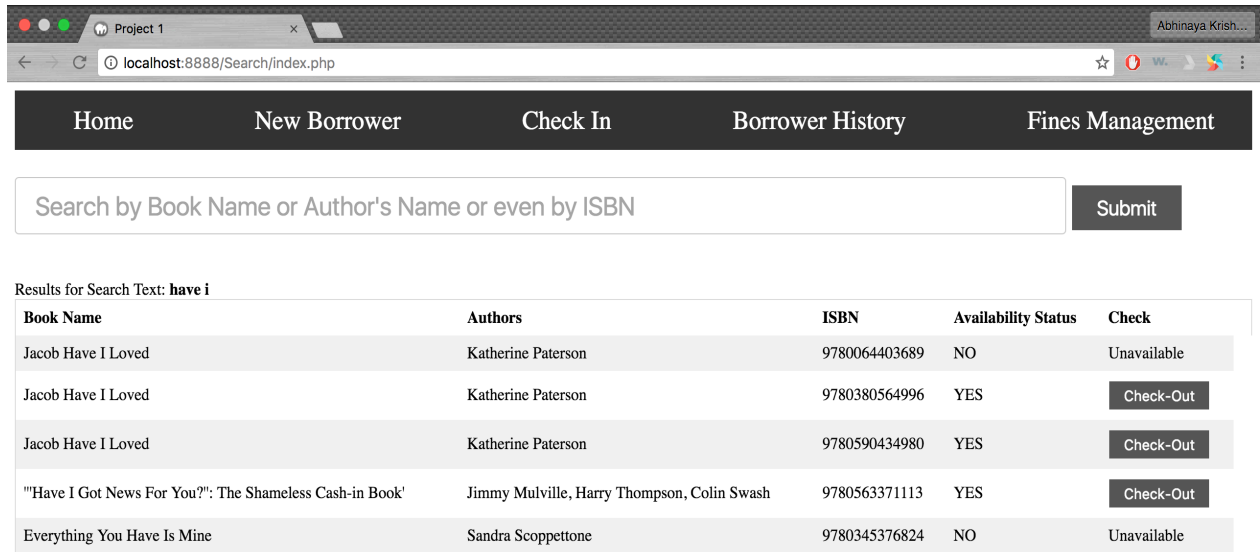


The screenshot shows a web browser window with the address bar displaying 'localhost:8888/Search/index.php'. The page has a dark navigation bar with five links: 'Home', 'New Borrower', 'Check In', 'Borrower History', and 'Fines Management'. Below the navigation bar is a search form with a text input field containing the placeholder text 'Search by Book Name or Author's Name or even by ISBN' and a 'Submit' button. Below the input field, there is a small text label that reads 'Type ISBN or TITLE or Author's name of the BOOK'.

## 2. Book Search

Search Implementation is supported using substring matching and also 3 different ways using

ISBN, Title and Author fields.



The screenshot shows a web browser window with the URL `localhost:8888/Search/index.php`. The application has a dark navigation bar with links: Home, New Borrower, Check In, Borrower History, and Fines Management. Below the navigation bar is a search input field with the placeholder text "Search by Book Name or Author's Name or even by ISBN" and a "Submit" button. The search results are displayed for the text "have i".

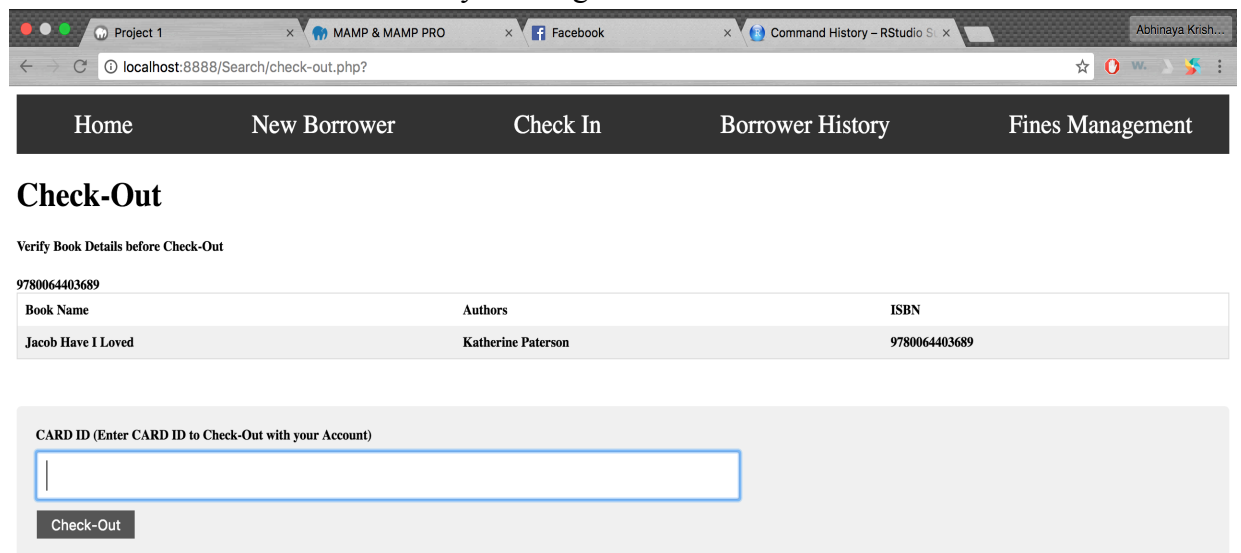
Results for Search Text: **have i**

Book Name	Authors	ISBN	Availability Status	Check
Jacob Have I Loved	Katherine Paterson	9780064403689	NO	Unavailable
Jacob Have I Loved	Katherine Paterson	9780380564996	YES	<button>Check-Out</button>
Jacob Have I Loved	Katherine Paterson	9780590434980	YES	<button>Check-Out</button>
"'Have I Got News For You?': The Shameless Cash-in Book"	Jimmy Mulville, Harry Thompson, Colin Swash	9780563371113	YES	<button>Check-Out</button>
Everything You Have Is Mine	Sandra Scoppettone	9780345376824	NO	Unavailable

### 3. Book Loans

#### 3.1. Books Checkout

The user can check out the books by entering the CARD ID.



The screenshot shows a web browser window with the URL `localhost:8888/Search/check-out.php?`. The application has a dark navigation bar with links: Home, New Borrower, Check In, Borrower History, and Fines Management. Below the navigation bar is a section titled "Check-Out" with the instruction "Verify Book Details before Check-Out".

9780064403689

Book Name	Authors	ISBN
Jacob Have I Loved	Katherine Paterson	9780064403689

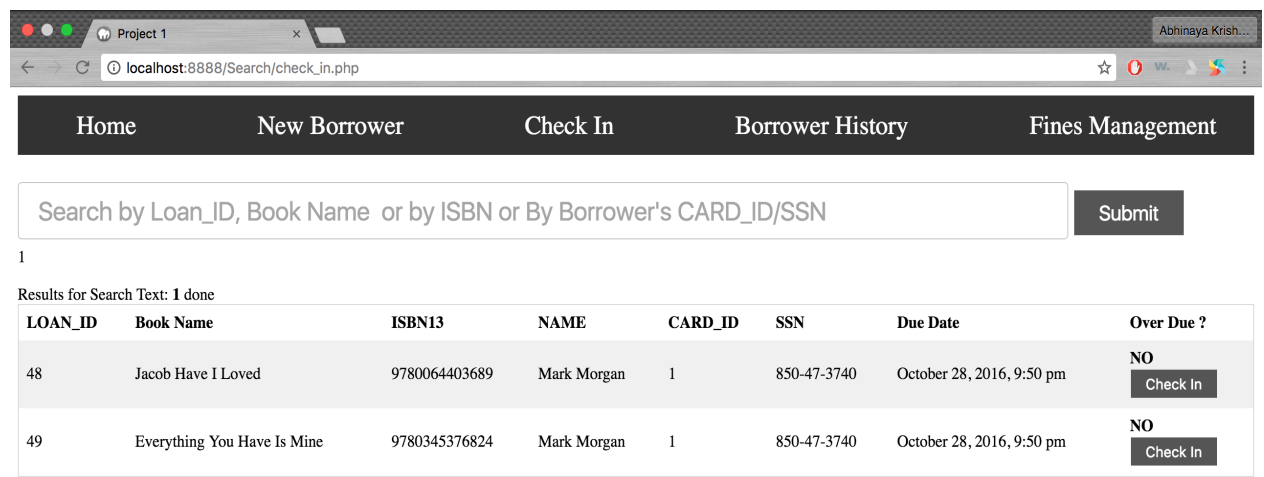
CARD ID (Enter CARD ID to Check-Out with your Account)

Check-Out

The user can check out a maximum of 3 books at a time. If the user reaches a borrow limit of 3, the user has to return the books that he/she has checked out earlier and then proceed for a new check out. The user cannot checkout a book copy that is not available as the checkout button is disabled in this case. If the user has an unpaid fine or currently overdue book, an error message is displayed.

### 3.2. Books Check-in

The user can check-in a book by locating it under the 'Check In' tab and entering either the book information (book name or ISBN) or borrower's information (borrower's card id or loan ID). When the required books are displayed, the user can select a particular book to check-in. Also , the due date is shown to the user for the books.



The screenshot shows a web browser window with the URL `localhost:8888/Search/check_in.php`. The application has a navigation bar with links: Home, New Borrower, Check In, Borrower History, and Fines Management. Below the navigation bar is a search input field with the placeholder text "Search by Loan\_ID, Book Name or by ISBN or By Borrower's CARD\_ID/SSN" and a "Submit" button. The search results are displayed in a table with the following data:

LOAN_ID	Book Name	ISBN13	NAME	CARD_ID	SSN	Due Date	Over Due ?
48	Jacob Have I Loved	9780064403689	Mark Morgan	1	850-47-3740	October 28, 2016, 9:50 pm	NO Check In
49	Everything You Have Is Mine	9780345376824	Mark Morgan	1	850-47-3740	October 28, 2016, 9:50 pm	NO Check In

## 4. Borrow Books

### 4.1. 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 submit button, a new borrower record is created in the system. Once a borrower is registered, he/she will not be allowed to register again in the system.

Project 1

localhost:8888/Search/new\_borrower.php

Abhinaya Krish...

Home New Borrower Check In Borrower History Fines Management

**New Borrower Details**

CARD ID

First Name

Last Name

Social Security Number

ADDRESS

Phone Number

Email

Submit

## 4.2. Borrower History

A user can find the borrower history under the 'Borrower History' tab on the web page by entering only the borrower card ID as borrowers are allowed to possess exactly one library card.

Project 1

localhost:8888/Search/borrower\_history.php

Abhinaya Krish...

Home New Borrower Check In Borrower History Fines Management

Search by By Borrower's CARD\_ID

Submit

Results for Search Text: 1

**Borrower's Name :Mark Morgan**  
**Borrower's CARD ID :1**

Mark Morgan's History

LOAN_ID	Book Name	ISBN13	Date Out	Due Date	Date In
48	Jacob Have I Loved	9780064403689	October 14, 2016, 9:50 pm	October 28, 2016, 9:50 pm	Yet to Submit
49	Everything You Have Is Mine	9780345376824	October 14, 2016, 9:50 pm	October 28, 2016, 9:50 pm	Yet to Submit

## 5. Fines

The details of fines for different books for a particular borrower can be known by searching with the borrower card ID. The total fine a particular borrower has to pay is displayed then and the user can pay the fine by clicking the 'Pay' button.

Also the fines history for a particular user is displayed.

Search by Borrower's CARD\_ID

48

Results for Search Text: 1

CARD_ID	Borrower	ISBN13	Due Date	Date In	Fine_Amount	Payment Status
1	Mark Morgan	9780064403689	September 28, 2016, 9:50 pm	October 14, 2016, 11:05 pm	4	PAID
1	Mark Morgan	9780345376824	September 28, 2016, 9:50 pm	October 14, 2016, 11:06 pm	4	<input type="button" value="PAY"/>