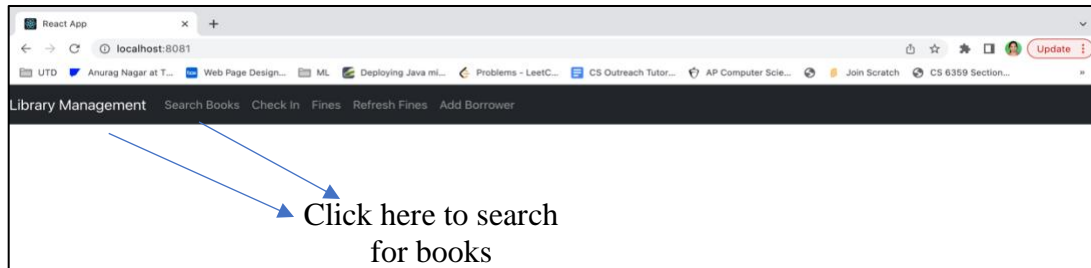


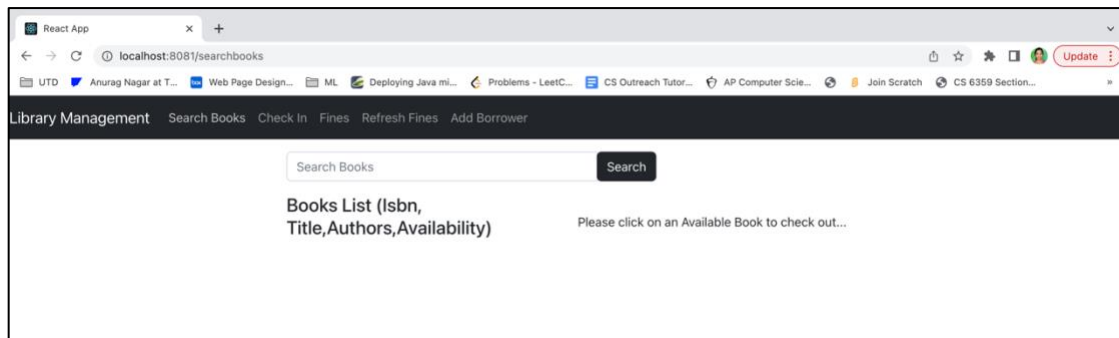
# Quick Start User Guide

Use readme.txt file to setup and run the application.  
The React app opens in the browser in local host as below

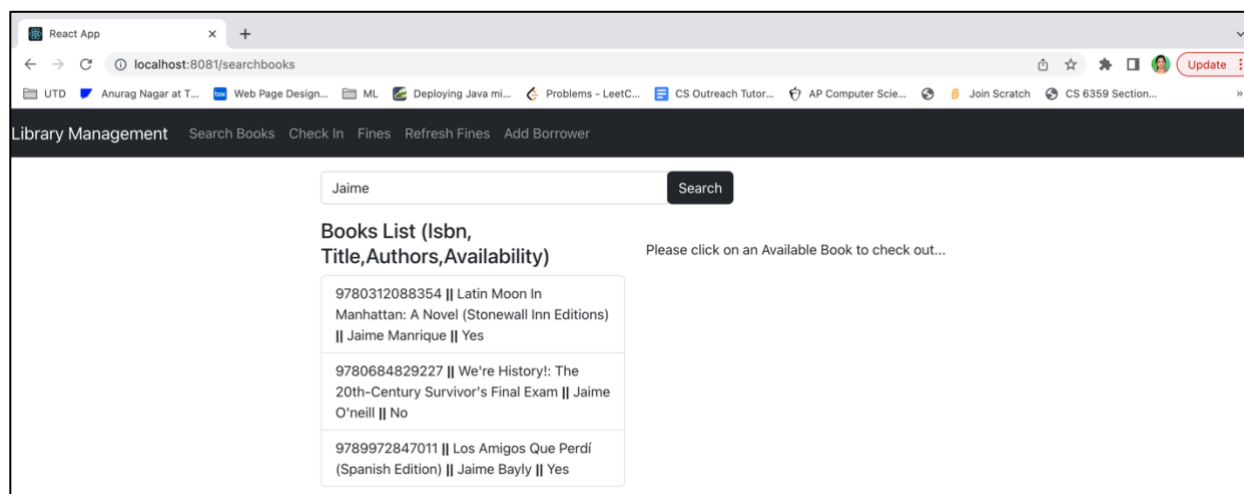


Click on “Library Management” or “Search Books” Buttons in the navigation bar, to search books.

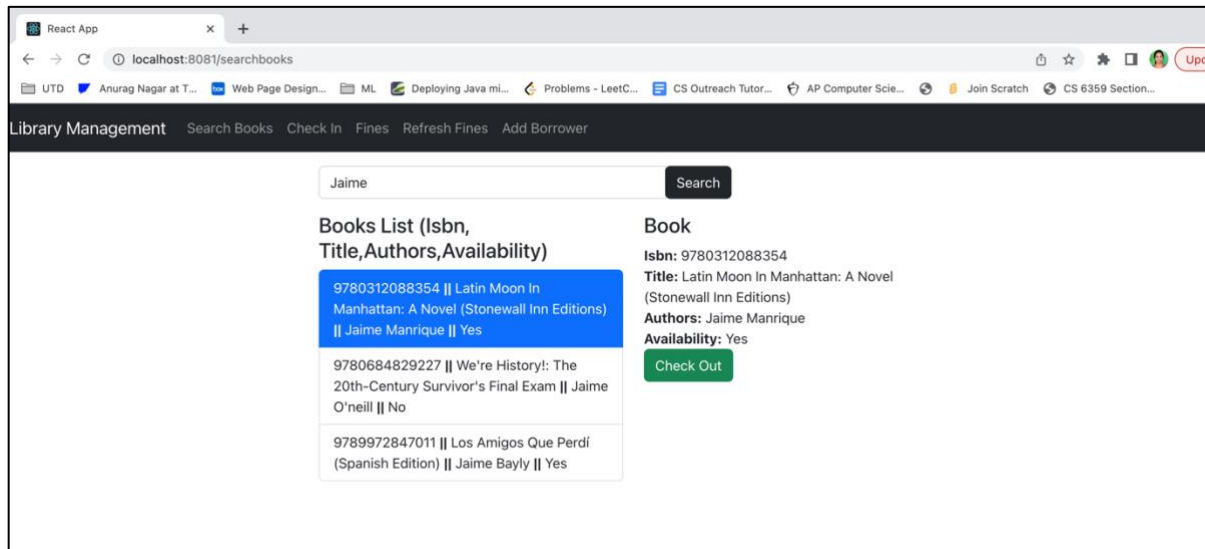
Search for a Book using ISBN or title or author. Search is case insensitive and substring matching is also supported.



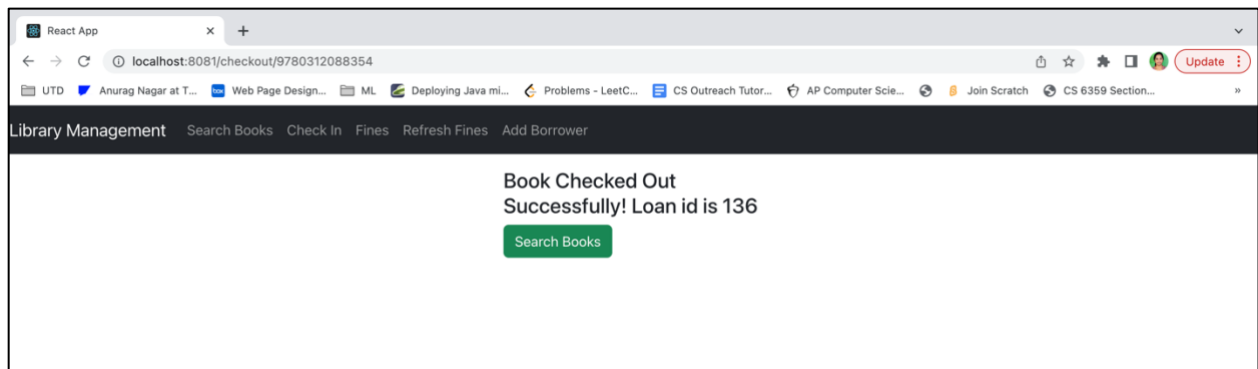
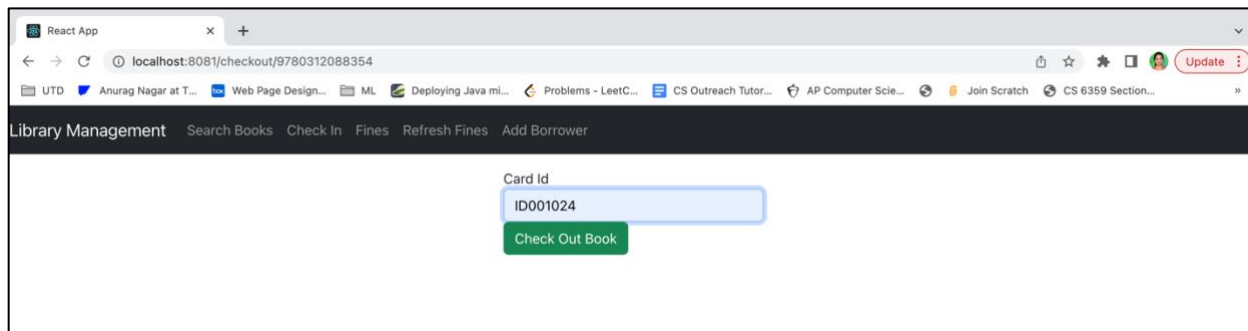
Search results will be as below, and Availability details of each book is also displayed.



Click on an available book to check out.  
Unavailable books cannot be checked out.



Card Id should be entered, and the book will be checked out for a particular borrower with provided card id.



Check In Page facilitates the search for book loans and to check in books.  
Search for a book loan by book id or card id or borrower name.  
Unreturned books can be checked in by selecting them.

React App

localhost:8081/checkinsearch

Library Management Search Books Check In Fines Refresh Fines Add Borrower

Saila Search Loan

**Loans (Loan Id, Card Id, Borrower Name, Isbn, Date out, Date Due, Date In)**

105	ID001003	Sailaja_Mandadi	9780002740234	Thu Nov 10 2022	Fri Nov 11 2022	Not returned
123	ID001012	LakshmiSailaja_Mandadi	9780064400084	Mon Nov 28 2022	Mon Dec 12 2022	Not returned
124	ID001012	LakshmiSailaja_Mandadi	9780140064827	Mon Nov 28 2022	Mon Dec 12 2022	Not returned
125	ID001012	LakshmiSailaja_Mandadi	9780307001252	Mon Nov 28 2022	Mon Dec 12 2022	Not returned

**Loan**

Loan Id: 105  
Card Id: ID001003  
Borrower Name: Sailaja\_Mandadi  
Isbn: 9780002740234  
Date Out: Thu Nov 10 2022  
Date Due: Fri Nov 11 2022  
Date In: Not returned

Check In

Refresh Fines Page can be used to refresh fines.

React App

localhost:8081/refreshfines

Library Management Search Books Check In Fines Refresh Fines Add Borrower

Refresh Fines

Fines page displays all fines.

“Show/Hide Paid Fines” Button shows or hides paid fines.

Select an unpaid fine and click on “Pay Fine” Button to pay fines of each of the books of the card holder.

React App

localhost:8081/finessearch

Library Management Search Books Check In Fines Refresh Fines Add Borrower

Show/Hide Paid Fines

Fines List (Card\_id, Bname, Fine\_amt, Paid)

Please click on a Fine Record to update ...

ID001000	Lori_Mccoy	4.50	Paid
ID000001	Mark_Morgan	5.00	Unpaid
ID000003	Robert_Harper	7.75	Paid
ID000005	Linda_King	0.25	Unpaid
ID000011	Stephen_Fields	5.75	Unpaid
ID000111	Katherine_Dean	4.50	Unpaid
ID000101	Joyce_Fuller	12.75	Paid
ID000101	Joyce_Fuller	12.50	Unpaid
ID001003	Sailaja_Mandadi	8.00	Unpaid
ID001003	Sailaja_Mandadi	0.75	Paid
ID000102	Andrea_Bailey	4.00	Unpaid
ID000102	Andrea_Bailey	3.50	Paid

React App

localhost:8081/finessearch

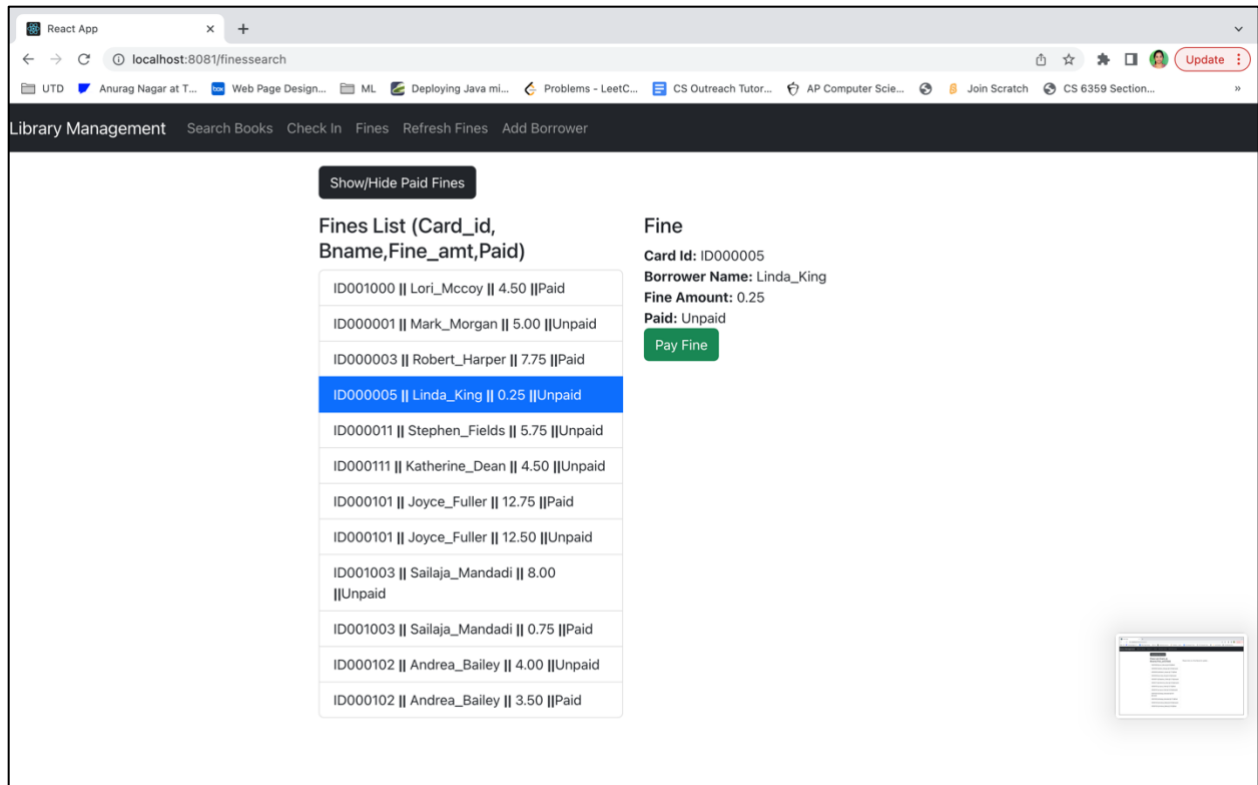
Library Management Search Books Check In Fines Refresh Fines Add Borrower

Show/Hide Paid Fines

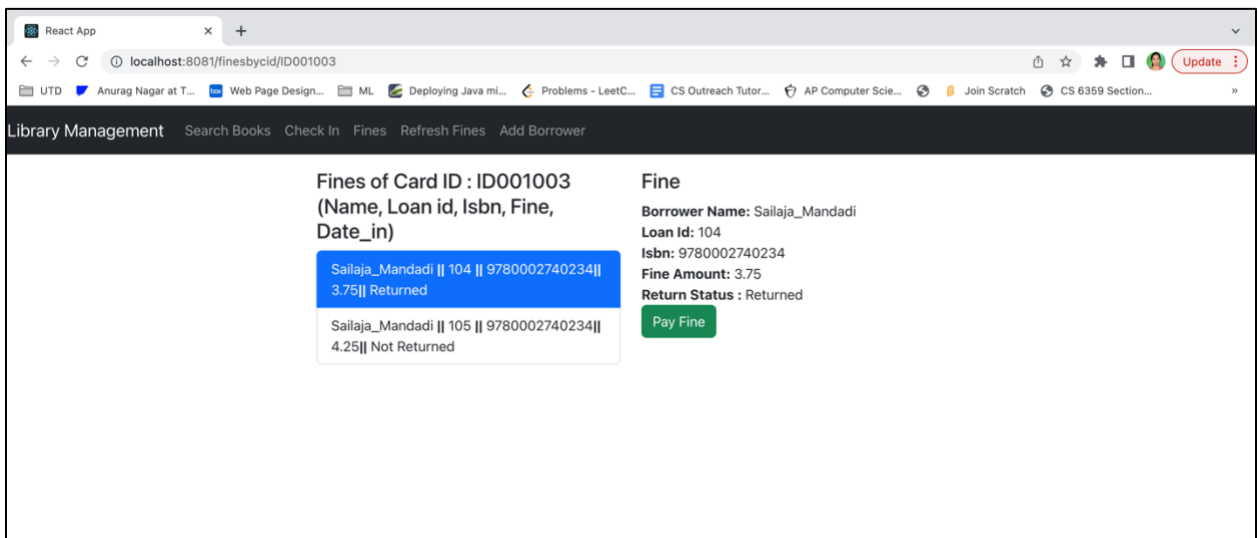
Fines List (Card\_id, Bname, Fine\_amt, Paid)

Please click on a Fine Record to update ...

ID000001	Mark_Morgan	5.00	Unpaid
ID000005	Linda_King	0.25	Unpaid
ID000011	Stephen_Fields	5.75	Unpaid
ID000111	Katherine_Dean	4.50	Unpaid
ID000101	Joyce_Fuller	12.50	Unpaid
ID001003	Sailaja_Mandadi	8.00	Unpaid
ID000102	Andrea_Bailey	4.00	Unpaid



Click on “Pay Fine” to pay fine of a returned book.  
Fines of an Unreturned Book cannot be paid.



Library Management Search Books Check In Fines Refresh Fines Add Borrower

**Fines of Card ID : ID001003**  
(Name, Loan id, Isbn, Fine, Date\_in)

Name	Loan id	Isbn	Fine	Date_in
Sailaja_Mandadi	104	9780002740234	3.75	Returned
Sailaja_Mandadi	105	9780002740234	4.25	Not Returned

**Fine**  
 Borrower Name: Sailaja\_Mandadi  
 Loan Id: 105  
 Isbn: 9780002740234  
 Fine Amount: 4.25  
 Return Status : Not returned  
 Book need to be returned first

Fill in required details to add a Borrower in Add Borrower Page.  
 Same SSN cannot be used for more than one Borrower. (If SSN is already there in DB, Borrower Already Exists Error Message will be displayed)

Library Management Search Books Check In Fines Refresh Fines Add Borrower

First Name  
 Last Name  
 Ssn  
 Address  
 City  
 State  
 Phone

Create Borrower

Library Management Search Books Check In Fines Refresh Fines Add Borrower

Borrower Already Exists! Or  
 Enter All Details!!

Add

Close the browser to exit the app.