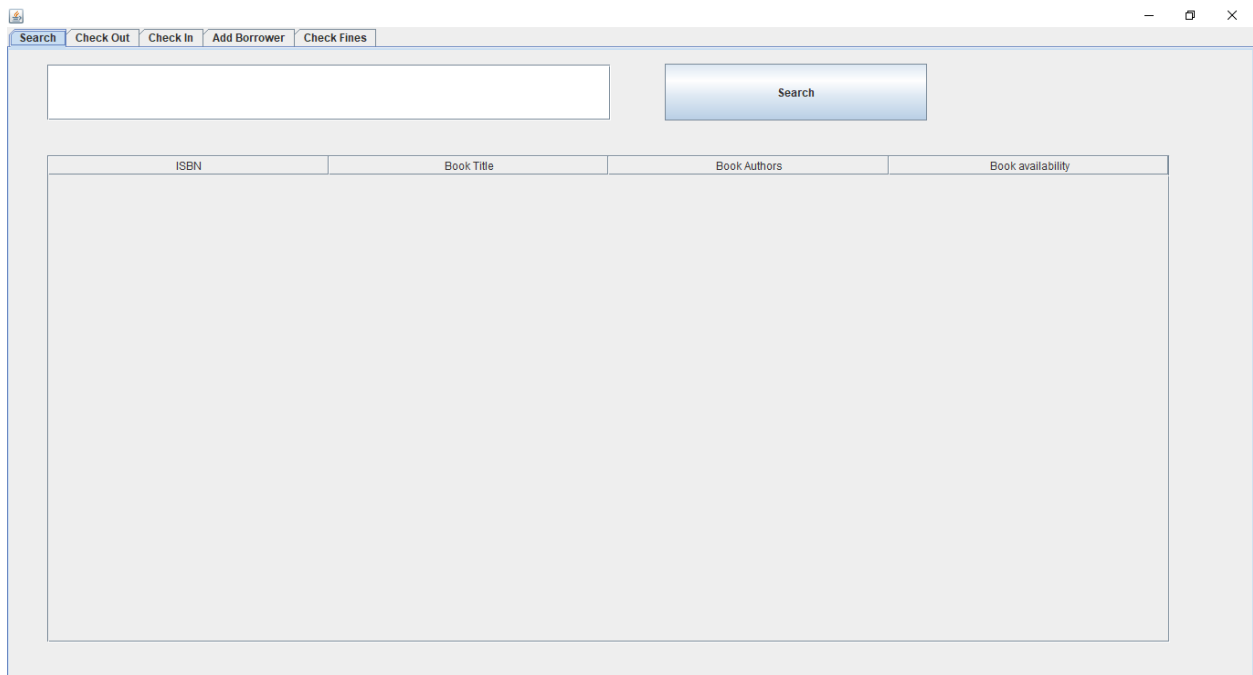


## QUICK START USER GUIDE

1. Extract the .zip file to a desired location.
2. Start the MySQL server.
3. Open the command terminal.
4. In the mysql command terminal, type the following : `source <file_path>/load_library.sql`
5. In the command prompt, go to the location of lib.jar and type the following command: `java -jar library_manage.jar`
6. We can also import the project into Eclipse IDE to run.
6. The application has been launched.

The only technical dependency is that the system must support JAVA and MYSQL. No other extra libraries are required.

## SEARCH



The screenshot shows a web application window with a title bar containing a search icon and standard window controls. The application has a tabbed interface with five tabs: 'Search' (active), 'Check Out', 'Check In', 'Add Borrower', and 'Check Fines'. The 'Search' tab contains a large text input field for search criteria and a 'Search' button. Below the input field is a table with four columns: 'ISBN', 'Book Title', 'Book Authors', and 'Book availability'. The table body is currently empty.

1. On this page the user can search for a book through any combination of ISBN, Book Title or Author. Type in the values and click the Search Button.
2. The matched records are returned along with the availability of the books to check out.

## CHECK OUT

The screenshot shows a software window titled "CHECK OUT". At the top, there is a menu bar with five tabs: "Search", "Check Out" (which is currently selected), "Check In", "Add Borrower", and "Check Fines". Below the menu bar, the main area of the window contains two input fields. The first is labeled "Card Number \*:" and the second is labeled "ISBN \*:". To the right of these fields is a blue button labeled "Check Out". The background of the window is a light gray.

1. Enter the Card No. And ISBN (both are mandatory) of the user and click the Checkout button.
2. This will check out the book for the borrower.
3. If the book is already checked out the system will throw an error.
4. A borrower can at a time have only maximum 3 books checked out. If the borrower tries to check out more than 3 books, the system will throw an error.

## CHECK IN

The screenshot shows a web application window titled "CHECK IN". At the top, there is a navigation bar with five tabs: "Search", "Check Out", "Check In" (which is currently selected), "Add Borrower", and "Check Fines". Below the navigation bar, the main interface is divided into several sections. On the left, there are three input fields labeled "ISBN:", "Card Number:", and "Name:". To the right of these fields is a blue button labeled "Check For Loans". Below these input fields and the button is a large table. The table has six columns: "LOAN ID", "ISBN", "CARD ID", "DATE IN", "DATE OUT", and "DUE DATE". The table body is currently empty. At the bottom center of the interface is a blue button labeled "Check In".

LOAN ID	ISBN	CARD ID	DATE IN	DATE OUT	DUE DATE
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1. Enter the Card No/Borrower Name/ISBN13 or all three and click the check for loans button to receive details of checked out books.
2. Select the book to check in and press the Check in button.

## ADD BORROWERS

The screenshot shows a web application window titled "ADD BORROWERS". At the top, there is a navigation bar with five tabs: "Search", "Check Out", "Check In", "Add Borrower" (which is currently selected and highlighted in blue), and "Check Fines". Below the navigation bar, the main content area has a light gray background. At the top left of this area, a red text message reads "All fields are mandatory". Below this message, there are five input fields arranged in two columns. The left column contains "First Name", "Last Name", "SSN", and "Address" (with a larger text area). The right column contains "Email Address" and "Phone Number". At the bottom of the form, there are two buttons: "Add Borrower" and "Reset Details".

All fields are mandatory

First Name

Last Name

SSN

Address

Email Address

Phone Number

### Borrowers page

1. Key In all the required values and click the Add Borrower button.
2. A card Number will be assigned to the New User.
3. Duplicate Users with same email address will not be allowed
4. Phone numbers should be typed according to the format of (999)999-9999.
5. The data can be reset by clicking the reset button.

## FINES

Card Number

☐ Show Previously Paid

loan_id	ISBN	Fine_amt	paid	Book_Returned
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1. Key in the card number of the borrower in the card number field.
2. Click the get data button to get the details of the borrower according his book\_loans.
3. The matched tuples are returned in the table view.
4. Click on one tuple and then pay fine button to pay the fine separately. Fine cannot be paid without checking in the book.
5. Click on total fines button to get the total fines of the borrower.
6. Click Refresh button to update the fines table (Like CRON/batch job).
7. Check the “show previously paid” checkbox to show the fines that were already paid.