

Quick start Guide

Library management system

Oct-2016

Version:1.1

1. Purpose:

The purpose of this document to help user of the library system to better understand the application, various function that the user can perform and how to do it.

2. Intended Audience

The application supports single user. A user preferably a librarian who knows all the basic information about the data and knows the application requirement. A single user performs all the actions.

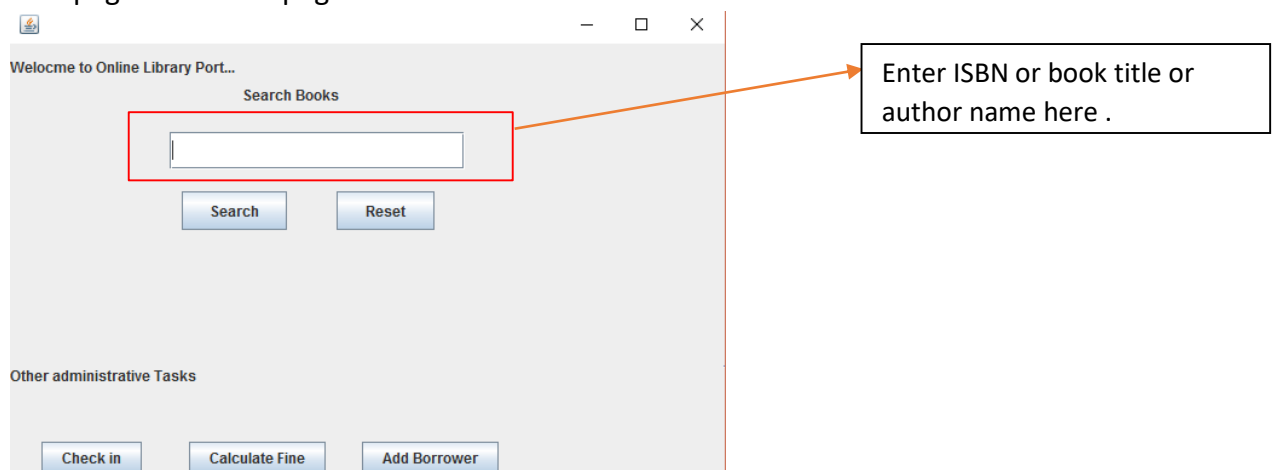
3. Process workflow

The application provides following functionalities:

- a. Search book
- b. Check in book
- c. Check out book
- d. Fine calculation
- e. Addition of new borrower.

3.1 Search book functionality:

- On startup of application, it will guide to home page where user can search for the book.
- Search functionality accepts book ISBN, book title or author names as input. Partial matches are also allowed.
- If there exists some book it is displayed in table which is below the search button.
- User can see the book ISBN, its title, all the authors and see if book is available or not.
 - Available value 1 means book is available.
 - Available value 0 means book is not available /checked out.
- If book is available you can click on checkout button, which will direct user to checkout new page. The homepage looks like:

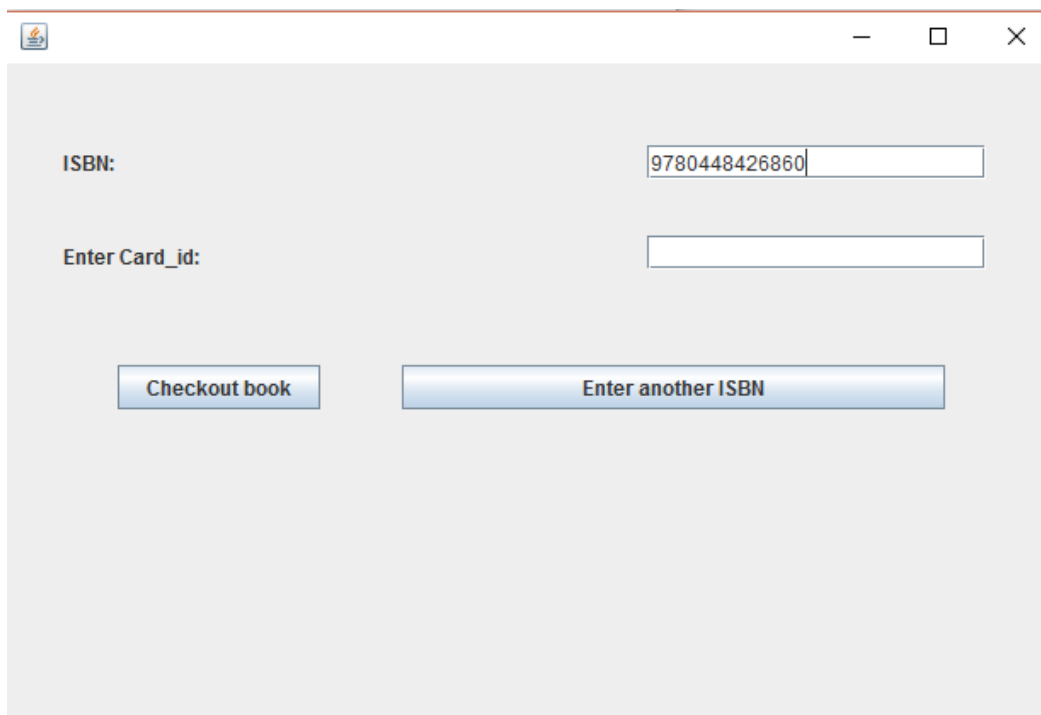


The screenshot displays the 'Welcome to Online Library Port...' interface. At the top, there is a 'Search Books' section with a text input field highlighted by a red box. An orange arrow points from this box to a callout box containing the text: 'Enter ISBN or book title or author name here .'. Below the input field are two buttons: 'Search' and 'Reset'. At the bottom of the page, under the heading 'Other administrative Tasks', there are three buttons: 'Check in', 'Calculate Fine', and 'Add Borrower'.

3.2 Checkout book functionality.

- On load of checkout page, ISBN of the book selected (the book user wants to checkout) is automatically entered. In other field, user enters borrower ID.
- The application then checks if any overdue book is due for the same borrower ID , if yes the request is denied as borrower cannot check out other book If fine is due on other book.
- Otherwise, the book is successfully issued, the due date is expected as 14 days after the book is issued and a successful message is displayed.

The initial checkout screen looks like:



ISBN: 9780448426860

Enter Card_id:

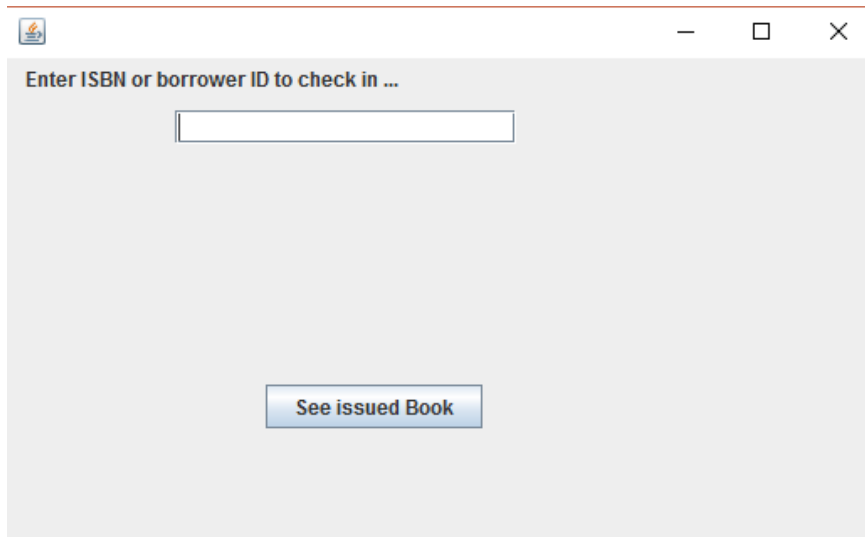
Checkout book Enter another ISBN

3.3 Check in book functionality

- From the home page there is an option to check in the book.
- The book gives an option to check in the book by either ISBN or borrower ID. It then displays all the book issued by either borrower ID or the book which has been checked out if ISBN is entered.
- If there is a overdue book issued for specific card id , a fine record is created. User should first process the fine payment then check in the book.
- If fine is already paid, Check-in can be done by setting the book to be again available and inserting the date in value.

- If no fine or overdue record exists , the check in process directly updates book to be available and add date in of the book.

The initial check in book looks like:

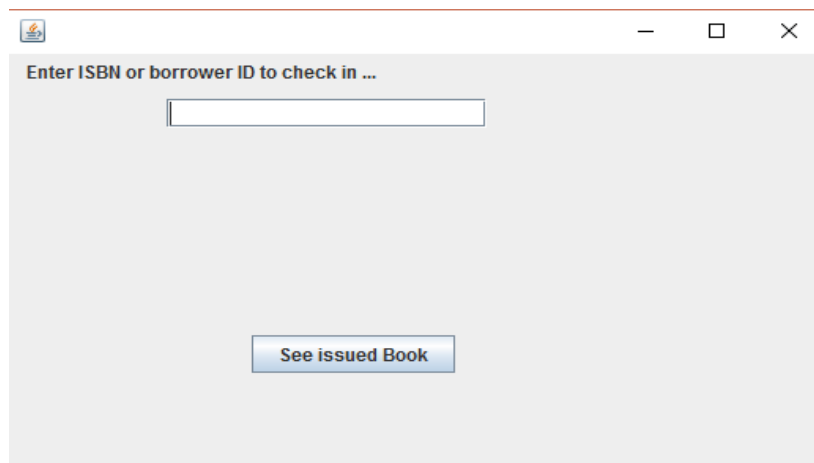


The screenshot shows a web application window with a title bar containing a small icon and standard window controls (minimize, maximize, close). The main content area has a light gray background. At the top, there is a text label "Enter ISBN or borrower ID to check in ...". Below this label is a single-line text input field. At the bottom center of the window is a rectangular button with a blue gradient and the text "See issued Book".

3.4 Add new borrower

- The application provides the functionality to add new borrower, the input taken is name, SSN , address, phone.
- The borrower id is automatically populated.
- Only one library card is issued per borrower, hence if same borrower comes, the request is rejected. The lookup is done on SSN.
- If adding is successful, the message is displayed, otherwise appropriate error message is displayed.

The initial borrower screen look like:



This screenshot is identical to the one above, showing a web application window with a title bar, a text label "Enter ISBN or borrower ID to check in ...", a text input field, and a "See issued Book" button at the bottom.

3.5 Fine calculation:

- If a borrower has overdue fine, application provides a way to pay the issued fine.
- The overdue records are checked by borrower ID. All the records are selected.
- Also fines are also accessed by the borrower id., All paid and unpaid fines by that borrower are displayed.

- If borrower wishes to pay the fine, the loan id is entered and then paid is set to true.

4. Application setup

- Please go through the readme.txt provide in the application for detailed set up of application.
- For running instance of application, the database should be up and running and have some data populated in it.