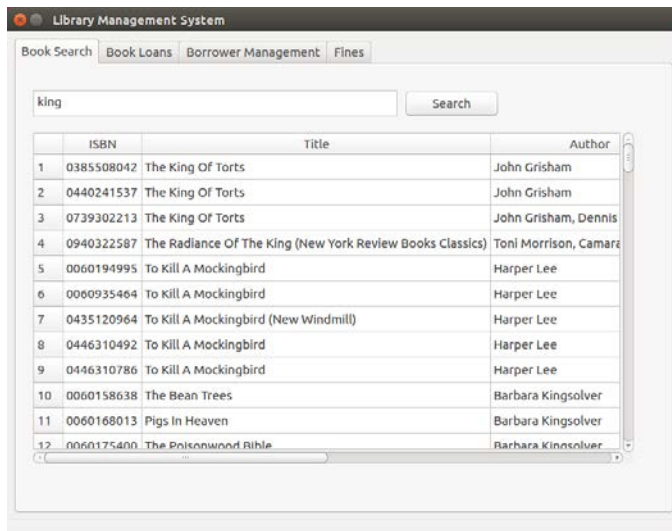


LMS User Guide

LMS provides a very user friendly graphic user interface to interact with database to help database users with book search, check out and check in, borrower management (borrower add), and fine information management.

A brief user guide will be provided below.

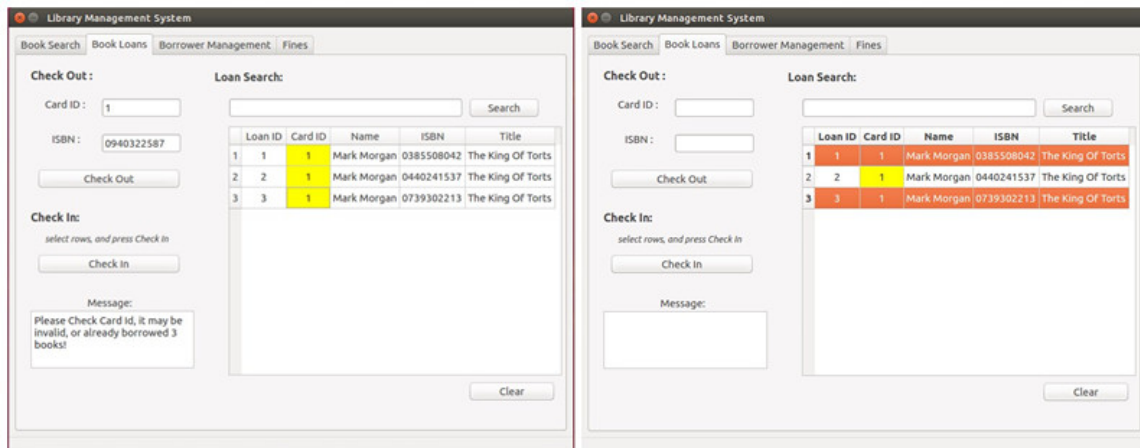
Book Search and Availability:



	ISBN	Title	Author
1	0385508042	The King Of Torts	John Grisham
2	0440241537	The King Of Torts	John Grisham
3	0739302213	The King Of Torts	John Grisham, Dennis
4	0940322587	The Radiance Of The King (New York Review Books Classics)	Toni Morrison, Camara
5	0060194995	To Kill A Mockingbird	Harper Lee
6	0060935464	To Kill A Mockingbird	Harper Lee
7	0435120964	To Kill A Mockingbird (New Windmill)	Harper Lee
8	0446310492	To Kill A Mockingbird	Harper Lee
9	0446310786	To Kill A Mockingbird	Harper Lee
10	0060158638	The Bean Trees	Barbara Kingsolver
11	0060168013	Pigs In Heaven	Barbara Kingsolver
12	0060175400	The Poisonwood Bible	Barbara Kingsolver

Open GUI, click Book Search tab, enter the string you want to search, then click search, then books information and availability will be show in the following table (scroll to see the entire information list).

Check Out and Check In



Check Out:

Card ID: 1

ISBN: 0940322587

Check Out

Check In

Loan Search:

Loan ID	Card ID	Name	ISBN	Title
1	1	Mark Morgan	0385508042	The King Of Torts
2	2	Mark Morgan	0440241537	The King Of Torts
3	3	Mark Morgan	0739302213	The King Of Torts

Check In:

select rows, and press Check In

Check In

Message:

Please Check Card id, it may be invalid, or already borrowed 3 books!

Clear

User card number and book ISBN to check in, Loan search can be used to search the checked out books.

Select rows in the search results table (press ctrl to select multiple rows), press check in to check in books, message box can be show check in and check out information, whether successful or not.

Borrower Management

The screenshot shows the 'Borrower Management' tab in the 'Library Management System'. It features a form titled 'Add New Borrower:' with the following fields: 'SSN (9 digits):' with value '123456789', 'Name:' with value 'D. Rich', 'Address:' with value 'UT Dallas, TX', 'Phone (10 digits, not required):' (empty), and 'Generated ID:' (empty). Below the form are 'Create !' and 'Clear' buttons. To the right, a 'Message' box displays 'Insert Successful!'.

Enter the required information and press create button to create new borrowers, message box will be used to show you error or successful information.

Fine Management

The screenshot shows the 'Fines' tab in the 'Library Management System'. It includes a 'Fines Search' section with a search input and a 'Clear' button. Below this is a table with the following data:

	Card ID	Name	Loan ID	ISBN	In Stock?	Fine	Total F
1	1	Mark Morgan	1	0385508042	yes	0.50	0.50

To the right of the table is a 'Message:' box. Below the table, there is a 'Pay Fine Direction:' section with the text 'Select Rows Left. Press Pay It!' and a 'Pay It!' button. A note at the bottom states: 'Note: only instock book fine can be paid!'.

Fine search can be used to search fines and show in the table below, select rows and press pay it button will pay the fine for the selected id corresponding to the selected rows. Only in stock loan can be paid. Error message will be showed inside the message box.