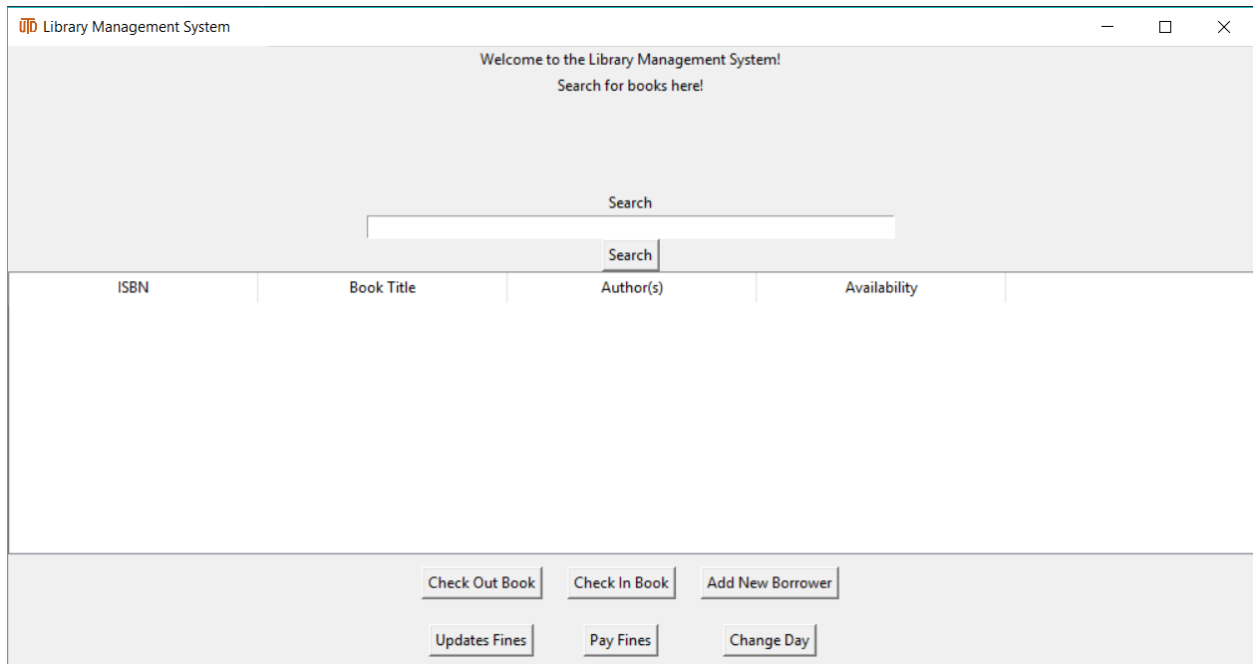


# CS 6360: Database Design

## Library Management System

### USER GUIDE

STEP 1: Run the main.py file from console and you will be able to see the main window.



The screenshot shows a window titled "Library Management System" with a standard macOS-style title bar (minimize, maximize, close buttons). The main content area has a light gray background and contains the following elements:

- A welcome message: "Welcome to the Library Management System!" followed by "Search for books here!"
- A search section with a text input field and a "Search" button.
- A table with the following headers: "ISBN", "Book Title", "Author(s)", and "Availability". The table body is currently empty.
- A bottom section with six buttons arranged in two rows: "Check Out Book", "Check In Book", "Add New Borrower" in the top row, and "Updates Fines", "Pay Fines", "Change Day" in the bottom row.

STEP 2: Search for books by entering the search term and pressing the Search Button. The result will be printed in the Table below.

Library Management System

Welcome to the Library Management System!  
Search for books here!

Search

willie

Search

ISBN	Book Title	Author(s)	Availability
0375503218	My Cat Spit McGee	Willie Morris	Available
0375706933	My Cat Spit McGee	Willie Morris	Not Available
0807119563	Last Of The Southern Girls (Voices Of	Willie Morris	Available

Check Out Book Check In Book Add New Borrower

Updates Fines Pay Fines Change Day

STEP 3: Select the book and click on Check Out Book. You will be prompted to enter the borrower ID. Enter the borrower ID and the book will be updated in the BOOK\_LOANS table.

Library Management System

Welcome to the Library Management System!  
Search for books here!

Search

willie

Search

ISBN	Book Title	Author(s)	Availability
0375503218	My Cat Spit McGee		Available
0375706933	My Cat Spit McGee		Not Available
0807119563	Last Of The Southern Girls (Voices Of		Available

Check Out Book

Enter Borrower ID

OK Cancel

Check Out Book Check In Book Add New Borrower

Updates Fines Pay Fines Change Day

STEP 4: Check In any book by pressing the Check In button in the main window. A new window will open with a prompt to search on checked out books. You can enter either the Borrower ID or Borrower Name in the search string and books loaned out to the specific borrower will be visible.

The 'Check In Here' window has a title bar with a feather icon and the text 'Check In Here'. The main area has a search prompt 'Search here: Borrower ID, Borrower Name or ISBN' and a search input field containing '000001'. A 'Search' button is below the input. The results are shown in a table with columns: Loan ID, ISBN, Borrower ID, and Book Title. The first row shows Loan ID 3, ISBN 0807119563, Borrower ID 000001, and Book Title 'Last Of The Southern Girls (Voices Of'. A 'Check In' button is at the bottom right.

Loan ID	ISBN	Borrower ID	Book Title
3	0807119563	000001	Last Of The Southern Girls (Voices Of

STEP 5: Select the book to be checked in and press the Check In button at the bottom.

The 'Library Management System' window has a title bar with a book icon and the text 'Library Management System'. The main area has a welcome message 'Welcome to the Library Management System!' and a search prompt 'Search for books here!'. A search input field contains 'willie' and a 'Search' button is below it. The results are shown in a table with columns: ISBN, Book Title, and Availability. The first row shows ISBN 0375503218, Book Title 'My Cat Spit McGee', and Availability 'le'. The second row shows ISBN 0375706933, Book Title 'My Cat Spit McGee', and Availability 'ailable'. The third row shows ISBN 0807119563, Book Title 'Last Of The Southern Girls (Voices Of', and Availability 'le'. A dialog box titled 'Done' with an information icon and the text 'Book Checked In Successfully!' is overlaid on the table. An 'OK' button is at the bottom of the dialog box.

ISBN	Book Title	Availability
0375503218	My Cat Spit McGee	le
0375706933	My Cat Spit McGee	ailable
0807119563	Last Of The Southern Girls (Voices Of	le

STEP 6: To add a borrower, the user can click on the Add Borrower button and a new window asking for borrower details will open up.

The screenshot shows the 'Library Management System' window. A search bar at the top contains the text 'willie'. Below it is a table with columns 'ISBN' and 'Book Title'. The table contains three rows: '0375503218 My Cat Spit McGee', '0375706933 My Cat Spit McGee', and '0807119563 Last Of The Southern Girls'. The third row is highlighted in blue. To the right of the table is a column labeled 'Availability' with values 'Available', 'Not Available', and 'Available'. At the bottom of the window are buttons: 'Check Out Book', 'Add New Borrower', 'Check In Book', 'Pay Fines', and 'Change Day'. A modal dialog box titled 'Enter Details' is open in the center, containing input fields for 'First Name', 'Last Name', 'SSN', 'Street Address', 'City', 'State', and 'Phone Number', followed by an 'Add' button.

STEP 7: Click the Update Fines button anytime to update the Fines in the Fines Table.

The screenshot shows the 'Library Management System' window. The search bar still contains 'willie'. The table below it now has an additional column 'Availability' with values 'Available', 'available', and 'ble'. The third row is highlighted in blue. At the bottom of the window are buttons: 'Check Out Book', 'Check In Book', 'Add New Borrower', 'Updates Fines', 'Pay Fines', and 'Change Day'. A modal dialog box titled 'Info' is open in the center, displaying a blue information icon and the text 'Fines have been computed!'. Below the text is an 'OK' button.

STEP 8: To pay the fines, one can click on the Pay Fines button and the Pay Fines window will open. Enter the Borrower ID and click on the Show Fines button to see the Fines for the borrower.

The screenshot shows the Library Management System interface. A modal window titled "Enter Borrower ID" is open, displaying a text input field with "000001", a "Show Fines" button, and a "Pay Fine" button. The background interface includes a search bar with "willie" entered, a table of books, and a bottom navigation bar with buttons like "Check Out Book", "Check In Book", "Add New Borrower", "Updates Fines", "Pay Fines", and "Change Day".

ISBN	Book Title	Author(s)	Availability
0375503218	My Cat Spit McGee	Willie Morris	Available
0375706933	My Cat Spit McGee	Willie Morris	Available
0807119563	Last Of The Southern Girls (Voices Of)	Willie Morris	Available

STEP 9: Lastly, press the Pay Fine button to update the paid column in the Fines table.

The screenshot shows the Library Management System interface after clicking the "Pay Fines" button. A modal window titled "Info" is open, displaying a blue information icon and the text "Fines Paid!". The background interface is the same as the previous screenshot, but the "Pay Fines" button is now disabled.

ISBN	Book Title	Author(s)	Availability
0375503218	My Cat Spit McGee	Willie Morris	Available
0375706933	My Cat Spit McGee	Willie Morris	Available
0807119563	Last Of The Southern Girls (Voices Of)	Willie Morris	Available