

CS 631: Database Mgmt System Design

Public Library Database System (Deliverable 3) User Guide

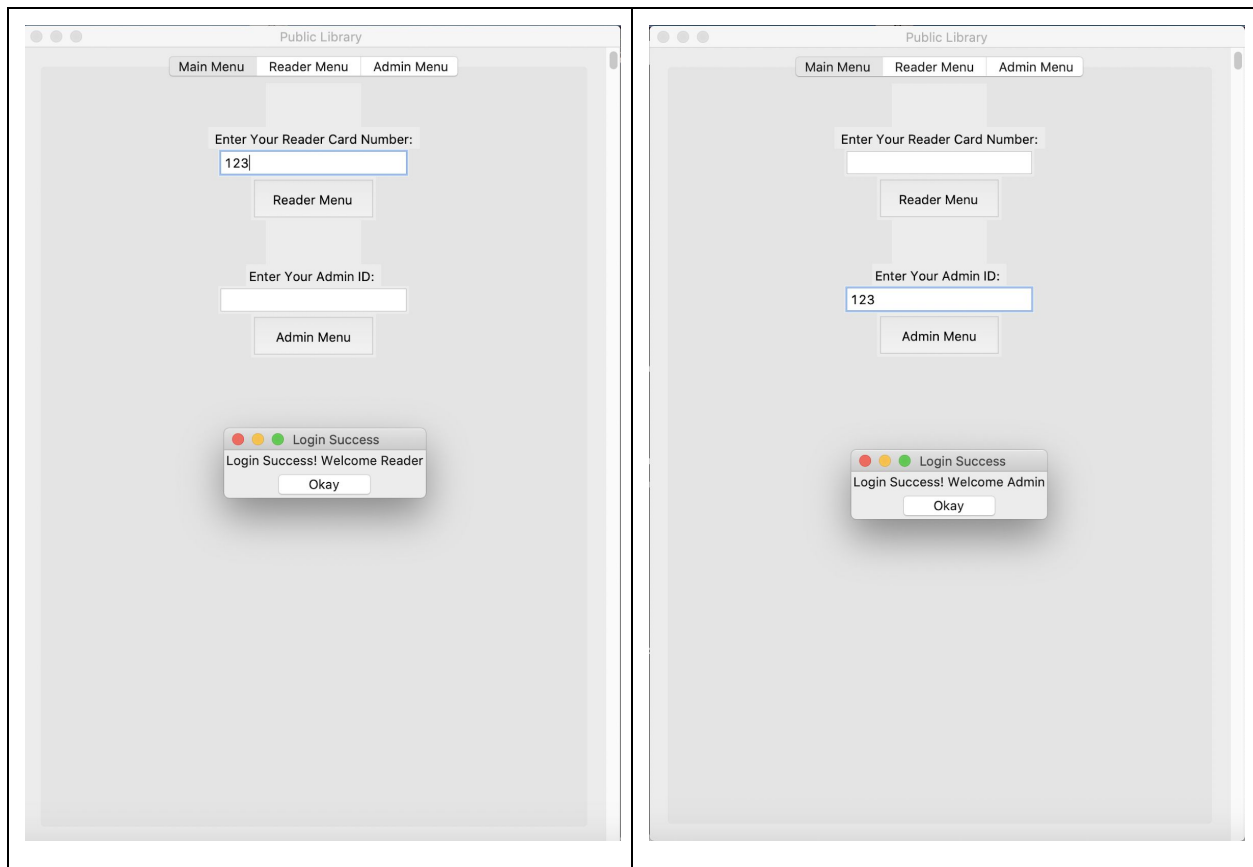
Group 6:

Ketki Ambekar | Jasneek Singh Chugh | Darshan Shah

User Guide:

Main Menu: This is the first menu page that we use to access the reader or admin functions.

Readers will enter the Card Number to enter the Reader functions.
Admin will enter their Admin ID to enter the Admin functions



Reader Functions Menu:

This is the reader menu where we can access the functions that a reader can perform.

- Search Document- Reader can search the document by its ID, Publisher name, or Title.
- A reader can Checkout, Return, or Reserve the document by entering its DocID, BranchID, CopyNO, and ReadID.
- Check Status: A reader can also check the status of the document by entering their Reader ID.

The screenshot shows a web application window titled "Public Library". At the top, there are three tabs: "Main Menu", "Reader Menu" (which is selected and highlighted in blue), and "Admin Menu". Below the tabs, the interface is divided into three main sections, each separated by a header line of asterisks (#####).

Section 1: Document Search
The header is "##### Document Search #####". It contains two input fields: "Enter DOCID/Publisher:" and "Enter Title". Below these fields is a button labeled "Search Document".

Section 2: Document Checkout, Return and Reservation
The header is "##### Document Checkout, Return and Reservation #####". It contains four input fields: "Enter DOCID", "Enter BranchID", "Enter CopyNo", and "Enter ReadID". Below these fields are three buttons: "Checkout", "Return", and "Reserve".

Section 3: Check Status
The header is "##### Check Status #####". It contains one input field: "Enter Reader ID". The number "3" is entered in this field. Below the input field is a button labeled "Get Details".

At the bottom of the window, there is a text area displaying the following data:

```
(3, 1, 3, 'Available')  
(3, 4, 2, 'Not Available')  
(3, 5, 1, 'Available')  
(3, 5, 1, 'Available')
```

Admin Functions Menu: This is the Admin menu where we can access the functions that an Administrator can perform.

- Add Document- Admin can add the document by entering the Title, Publish date, and the Published ID
- Fetch Top N Books- We can fetch the Top N number of books from the database.
- Average Fine: We can calculate the average fine for each branch by simply entering the Start and End date.

The screenshot shows a web application window titled "Public Library". At the top, there are three tabs: "Main Menu", "Reader Menu", and "Admin Menu", with "Admin Menu" being the active tab. The interface is divided into three main sections, each separated by a horizontal line.

Section 1: Add a Document Copy

Add a Document Copy

Enter Title:

Enter Published Date in (YYYY-MM-DD) Format Only

Enter Published ID

Section 2: Get top N borrowed Books

Get top N borrowed Books

Enter N:

Section 3: Average Fines from Each Branch

Average Fines from Each Branch

Enter Start Date (YYYY-MM-DD format only):

Enter End Date (YYYY-MM-DD format only):

At the bottom of the window, there is a text area displaying the following output:

```
('Jersey City', 1, Decimal('74.40000'))  
( 'Newark', 2, Decimal('74.00000'))  
( 'Trenton', 3, Decimal('74.60000'))  
( 'Edison', 4, None)
```