**CS 631:**

**Database Management System Design**

**City Library**

**(Deliverable 3)**

**User Guide**

**Group 20:**

**RAMNIKHIL PALASETTY| CHAKRADHAR PALAVALASA|SAKETH REDDY GARLAPATI**

|  |  |
| --- | --- |
| |  | | --- | |  | |

Main Menu: We access the reader or admin services from this MAIN MENU WINDOW.

To use the reader services, readers must input their card number.

The card number or Reader Number goes as follows:

“REDAER01” - “REDAER11”

|  |
| --- |
|  |

We have created up to 11 Readers.

To access the admin functions, administrators must input their admin ID and password.

Admin credentials goes as follows:

Username: ADMIN

Password: ADMIN

Graphical user interface, application

Description automatically generated

Reader Functions Menu:

We can search a document by ID, title, or publisher name. (eg:, D2020, DATABASE, PEARSON)

We can make a Document checkout.

We can make a Document return.

We can make a Document reserve.

We will be Computing fine for a document copy borrowed by a reader based on the current date.

We can Print the list of documents reserved by a reader and their status.

We can Print the document id and document titles of documents published by a publisher.

Graphical user interface

Description automatically generated

Administrative Functions Menu:

We can Add a document copy.

We can Search a document copy and check its status.

We can Add new reader. We can check branch information (name and location).

Graphical user interface, application

Description automatically generated

- Get number N and branch number I as input and print the top N most frequent

borrowers (Rid and name) in branch I and the number of books each has borrowed.

- Get number N as input and print the top N most frequent borrowers (Rid and name)

in the library and the number of books each has borrowed.

- Get number N and branch number I as input and print the N most borrowed books

in branch I.

- Get number N as input and print the N most borrowed books in the library.

- Get a year as input and print the 10 most popular books of that year in the library

- Get a start date S and an end date E as input and print, for each branch, the branch.