Library

Management

System

Introduction

The “library management system” is a computerized system which mainly focuses on basic operations in a library like adding new member, new books & updating new information, searching books & books to borrow and return.

One of the most important modules of the library management system is the LOGIN module. Each user has its own user name and password. The admin has the highest access priority which enables him /her to perform all the functionalities that exist in the application. The students have the lowest access priority that only enables them to view the details of the books available. This system is easy to use for all users because of the interactive user interface and proper validation for each field.

The library management system has four main modules

**1. Insertion to database module**—user friendly input screen in which user can input their data related to the book issue.

**2. Extracting from database module**—attractive display output in which the user is able to get results related to their query.

**3. Report generation module**—in this section librarian can get the overall information about the books issued and number of users that have used the system.

**4. Search facility system** –in this module user can search for any books and members.

**SCOPE OF THE PROPOSED SYSTEM**

* Functionalities of the admin—can add or remove librarians and other admins.
* Functionalities of the librarian—can issue, return, add/delete/search/edit Books, CD-DVDs and magazines and student information.
* Functionalities of the student—search for books, CD-DVDs and Magazines.

Guidelines on how to use the system

There are three types of users which are admin, librarian and student.

1. THE ADMIN

* To login into the admin page
  + - Enter admin user name
    - Enter admin password
    - Click on sign in button

We find two tabs in this page which are manage users and profile

* **Manage users**
* **Manage admin users**

To add new admin user

* Enter full name
* Enter user name
* Enter password
* Click on the register button

To remove registered admin user

* Click on the remove button
* **Manage Library Users**

To add new librarian users

* Enter full name
* Enter user name
* Enter password
* Click on the register button

To remove registered admin user

* Click on the remove button
* **Log out**

* This will return you to home page

1. THE LIBRARIAN

* To login into the librarian page
  + - Enter admin user name
    - Enter admin password
    - Click on sign in button

We have five tabs in the librarian page which are ***search for items***, ***library users***, ***item issues***, ***manage library items*** & ***profile***.

* ***Search for items***
* To search for books, CD/DVD and magazine
* Select from search form combo box
* Select search category
* Enter the search hint
* Click on the search book button
* To issue books ,CD/DVD and magazine
* Click on issue button next the chosen books, magazines and CD/DVD
* Enter your student pocket id
* Click on the submit button
* ***Manage users***
* To add new student
* Enter full name
* Enter grade
* Enter section
* Upload a photo by browsing
* Click on the register button
* To add new teacher
* Enter full name
* Enter user name
* Enter password
* Click on the register button
* To search for a student
* Select grade from the combo box
* Select section from the box
* Enter search hint
* Click on the search student
* ***Item issues***
* to know Issued items
* select the library item types
* select the search from
* select search category
* click search book
* to know returned items
* select the item type
* Enter item call number
* Enter item copy number
* click on the Get Book Information button
* ***manage library items***
* Manage library books

To add new book

* Enter the title of the book
* Enter the author name
* Enter the publisher
* Enter the publish address of the book
* Enter the call id of the book
* Enter the number of copies
* select category of the book from the box
* Click on register button

To add new books from excel

* Browse the excel file
* Click on the button execute
* Manage library CD/DVD

To add new CD/DVD

* Enter title
* Enter subject of CD/DVDs
* Enter publisher of the CD/DVDs
* Enter number of CD/DVDs
* Enter copy number
* Enter call number
* Select category
* Click on register

To add new CD/DVDs from excel

* Browse the excel file
* Click on the button execute
* Manage library magazines

To add new magazine

* Enter title of the magazine
* Enter the subject of the magazine
* Enter publisher of the magazine
* Enter number of pages
* Enter publish date
* Enter the call id of the magazine
* Enter the copy number you wanted
* Select the category from the box
* Click on register

To add new magazines from excel

* Browse the excel file
* Click on the button execute
* Create library report

Library item counts

* The system counts number of books, CD/DVDs and magazines both on shelf and on store.

Number of items issued since

* Pick a date you want and enter it.
* The system starts counting number of books, CD/DVDs and magazines borrowed as well as returned from the date you picked previously so that it could be displayed in the table.

Number of item users since

* Pick a date you want and enter it.
* The system starts counting number of users of books, CD/DVDs and magazines independently starting from the day you picked which will be displayed on the table.
* ***Profile***
* Edit account

To edit your profile setting

* Enter your current user name
* Enter your current password
* Enter your new full name
* Enter your new user name
* Enter new password
* Click the save changes button
* Logout
* This choice will take you to the home page.

1. THE STUDENTS

* Students can search books, CD/DVDs and magazines using the search box given on the home page by the following steps
* Select search items
* Select search category
* Enter search hint
* Click on the search book