

Library Management System Readme:

Overview:

The Library Management System (LMS) is a software solution designed to modernize and optimize library operations. This system aims to streamline traditional tasks such as cataloging, lending, and returns while introducing features like online reservations and fine management. LMS provides a user-friendly interface for both librarians and patrons, enhancing the overall library experience.

Components:

1)Model: The model component represents the core logic of the system, including data manipulation and business rules. It consists of classes such as Book, Library, and User Account.

2)View: The view component handles the presentation layer of the system, interacting with users through a graphical interface. It includes classes like Library View, responsible for displaying library information and receiving user input.

3)Controller: The controller component acts as an intermediary between the model and view, coordinating user actions and system responses. It includes classes like Library Controller, which interpret user input and invoke appropriate methods in the model.

Functionality:

1)Adding Book: Users can add new books to the library by providing details such as title, author, and publication year.

2)Removing Book: Users can remove books from the library by specifying the title of the book to be removed.

3)Displaying All Books: Users can view a list of all books available in the library.

Searching Books by Title: Users can search for books in the library by entering the title of the book.

4)the System: Users can exit the system by selecting the appropriate option from the menu.

Website development:

<https://librarysystemgroup6.000webhostapp.com/>

Admin Username: admin

Password: admin@123

Usage: we have also implemented using java programming language using the same database we used for website development to make our project more informative and attractive.

Compilation: Compile the Java files using a Java compiler, such as javac.

```
javac Main.java LibraryView.java LibraryController.java
```

Execution: Run the Main class to start the Library Management System.

```
java Main:
```

Interacting with the System: Follow the on-screen instructions to perform various actions such as adding books, removing books, and searching for books.

Output screenshots:

The screenshot shows a web browser at the URL `librarysystemgroup6.000webhostapp.com/adminlogin.php`. The page features a header with the site logo and name, and a navigation bar with links to ADMIN LOGIN, USER SIGNUP, and USER LOGIN. The main content area is titled "ADMIN LOGIN FORM" and contains a light blue login box. Inside the box, there are input fields for "Enter Username" and "Password", followed by a "LOGIN" button.

Online Library Management System

ADMIN LOGIN USER SIGNUP USER LOGIN

ADMIN LOGIN FORM

LOGIN FORM

Enter Username

Password

LOGIN

The screenshot shows a web browser at the URL `librarysystemgroup6.000webhostapp.com/index.php`. The page features a header with the site logo and name, and a navigation bar with links to ADMIN LOGIN, USER SIGNUP, and USER LOGIN. The main content area is titled "USER LOGIN FORM" and contains a light blue login box. Inside the box, there are input fields for "Enter Email id" and "Password", a "Forgot Password" link, and a "LOGIN" button. A link "Not Register Yet" is also present next to the login button.

Online Library Management System

ADMIN LOGIN USER SIGNUP USER LOGIN

USER LOGIN FORM

LOGIN FORM

Enter Email id

Password

[Forgot Password](#)

LOGIN | [Not Register Yet](#)



MANAGE REG STUDENTS

Reg Students							
10 ▾ records per page		Search: <input type="text"/>					
#	Student ID	Student Name	Email id	Mobile Number	Reg Date	Status	Action
1	SID016	Vamsi Pavan Krishna Dasineni	vamsipavankrishnadasineni@my.unt.edu	9408436662	2024-04-19 03:22:16	Active	Inactive
2	SID017	Srujan Chandra	srujanchandra@my.unt.edu	8325189246	2024-04-19 03:23:50	Active	Inactive
3	SID018	Sushmitha Inapakuthika	sushmithainapakuthika@my.unt.edu	9409770572	2024-04-19 03:24:54	Active	Inactive
4	SID019	Nitheesha Mandyam	nitheeshamandyam@my.unt.edu	9402104922	2024-04-19 03:26:42	Active	Inactive
Showing 1 to 4 of 4 entries						Previous 1 Next	



MANAGE CATEGORIES

Categories Listing						
10 ▾ records per page		Search: <input type="text"/>				
#	Category	Status	Creation Date	Updation Date	Action	
1	Programming Language	Active	2024-04-19 02:50:22		Edit	Delete
2	Front-end	Active	2024-04-19 02:52:08		Edit	Delete
3	Back-end	Active	2024-04-19 02:52:20		Edit	Delete
4	Database	Active	2024-04-19 02:52:48		Edit	Delete
Showing 1 to 4 of 4 entries						Previous 1 Next

MANAGE AUTHORS

Authors Listing

10 ▾ records per page

Search:

#	Author	Creation Date	Updation Date	Action
1	Vamsi	2024-04-19 02:52:59		✎ Edit ✖ Delete
2	Sushmitha	2024-04-19 02:53:06		✎ Edit ✖ Delete
3	Niteesha	2024-04-19 02:53:16		✎ Edit ✖ Delete
4	Srujan	2024-04-19 02:53:25		✎ Edit ✖ Delete

Showing 1 to 4 of 4 entries

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