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.

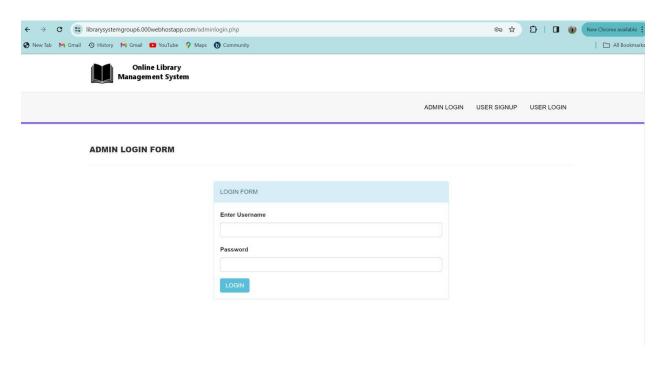
javac Main.java LibraryView.java LibraryController.java

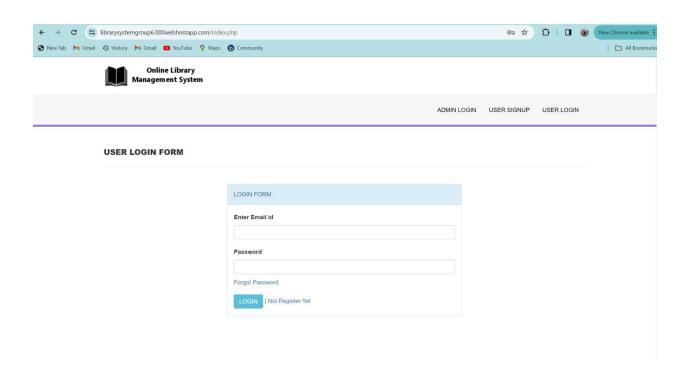
Execution: Run the Main class to start the Library Management System.

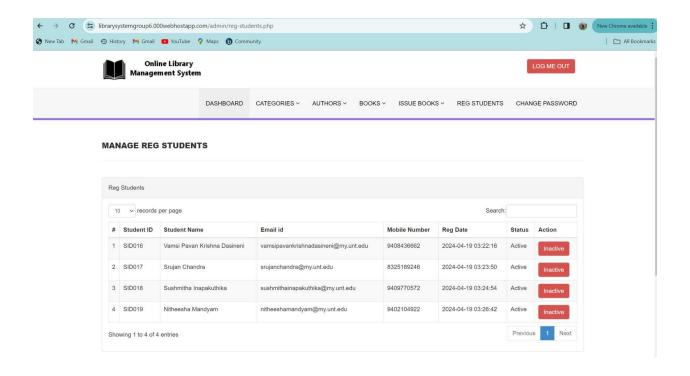
java Main:

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:

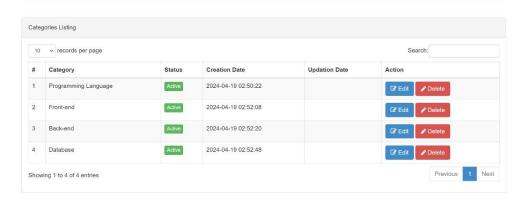








MANAGE CATEGORIES





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