Project Report

Project Name: Library Management System
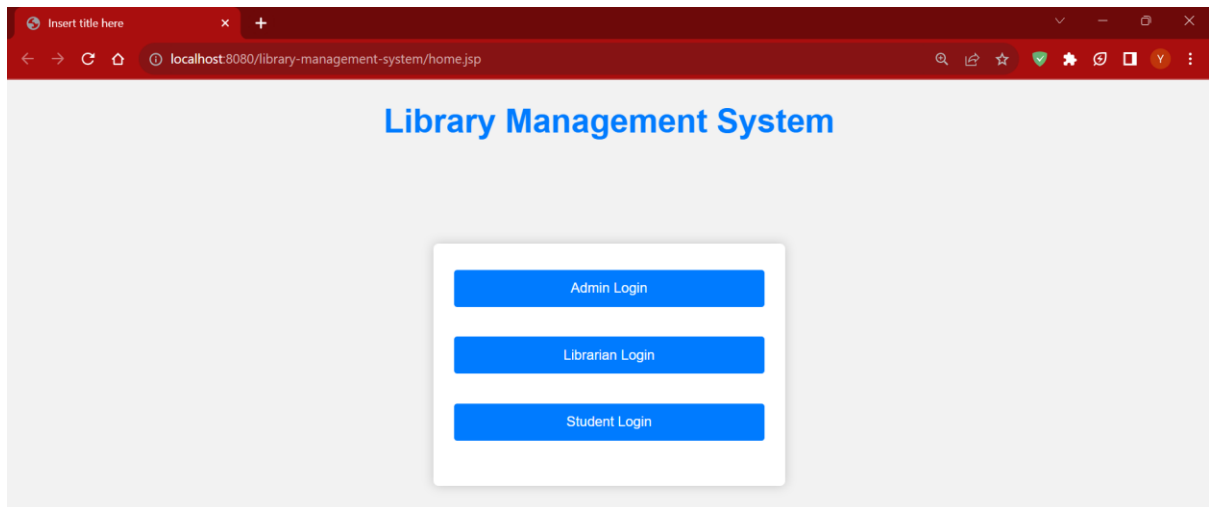
Technologies used :

Servlet, Hibernate, JDBC API, JSP(Java Server Pages)
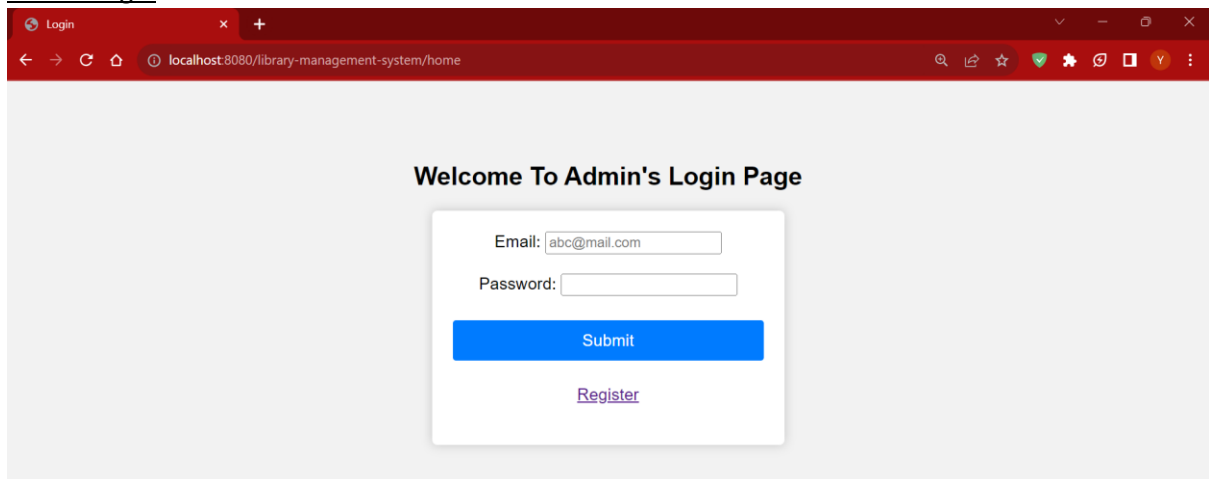
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Project Overview :

1. Home Page:

This is the home page of Library Management System. This system has three users:
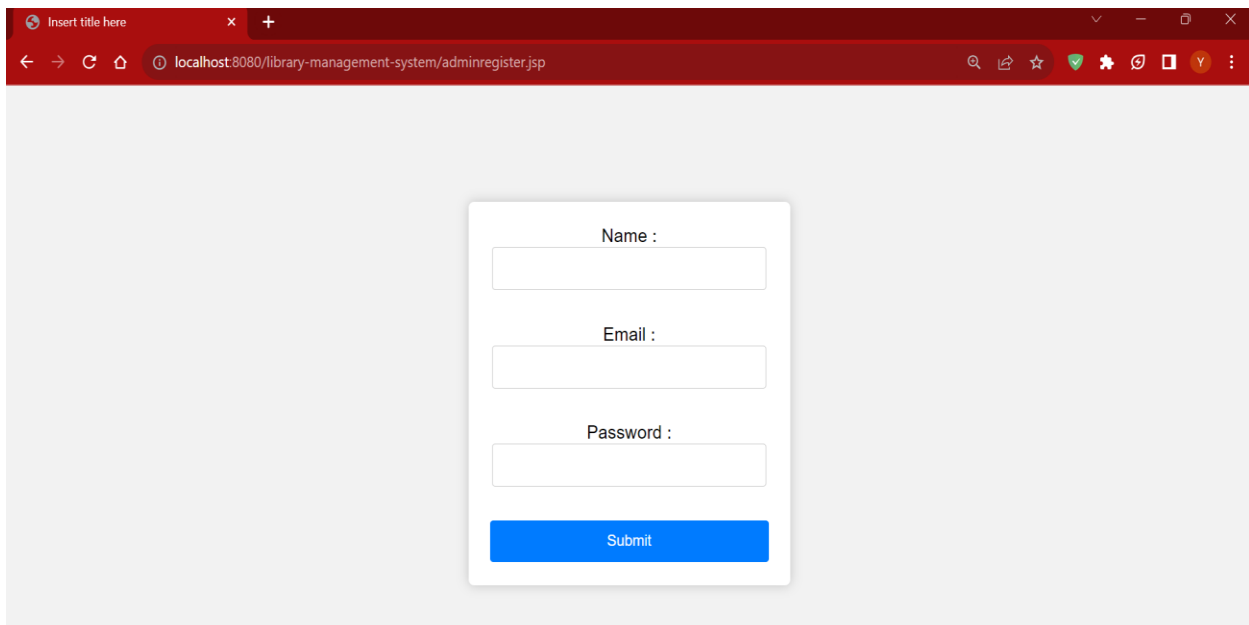
a. Admin

b. Librarian &

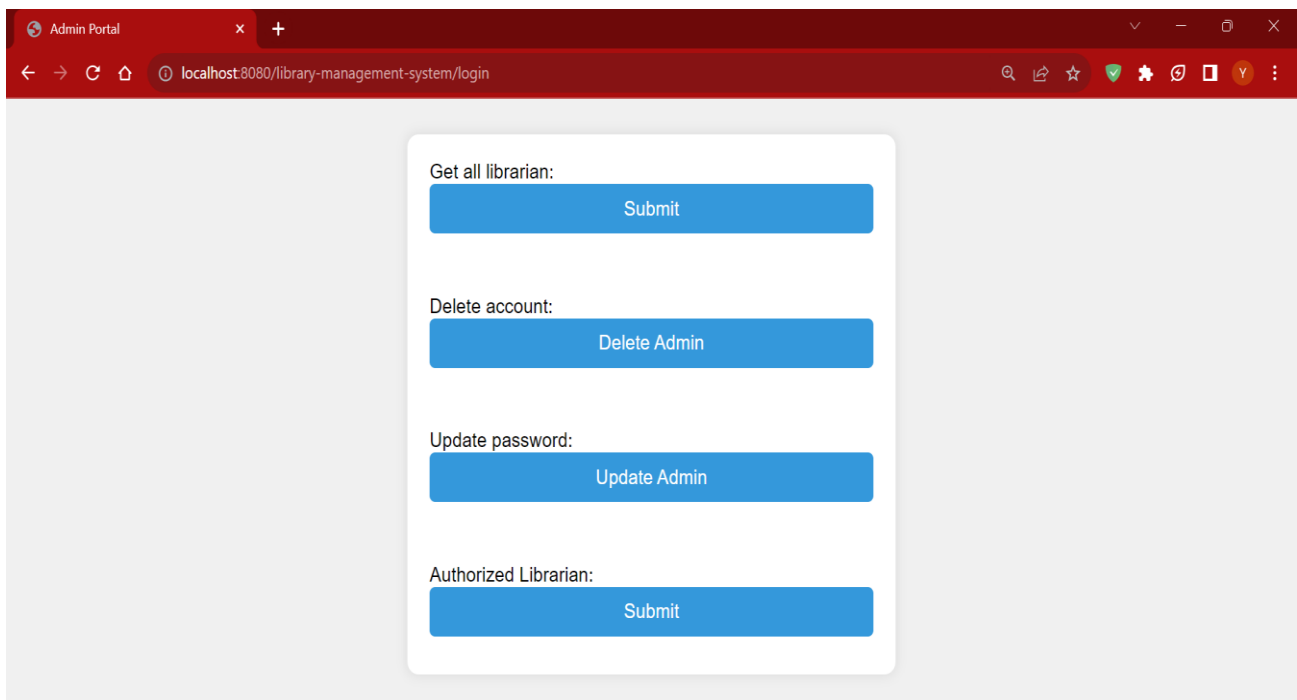c. Student

Admin Section:

Admin Login :

This is admin login page in which admin can login or if admin is new user then admin register himself

To access further facilities.

If admin is new user to this system, then should enter the following details and create the account and then login into the portal.
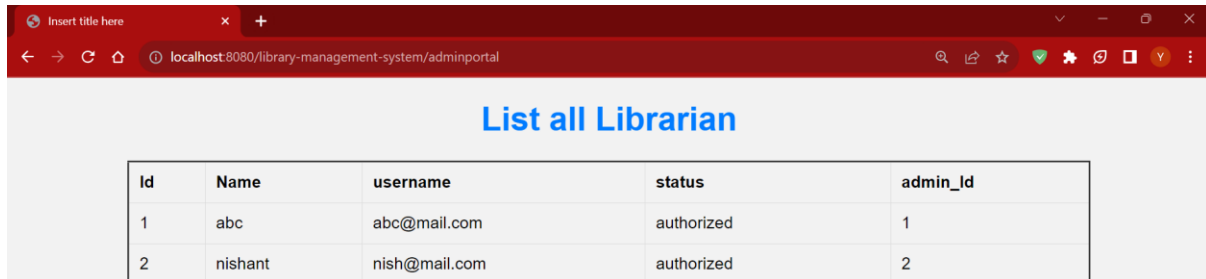

After successful login, admin can update his details, also he can view all librarians and their status i.e. whether librarian is authorized or unauthorized and authorize the librarian if it is unauthorized . If admin authorizes the librarian, then only librarian is allowed to login on the portal else not.
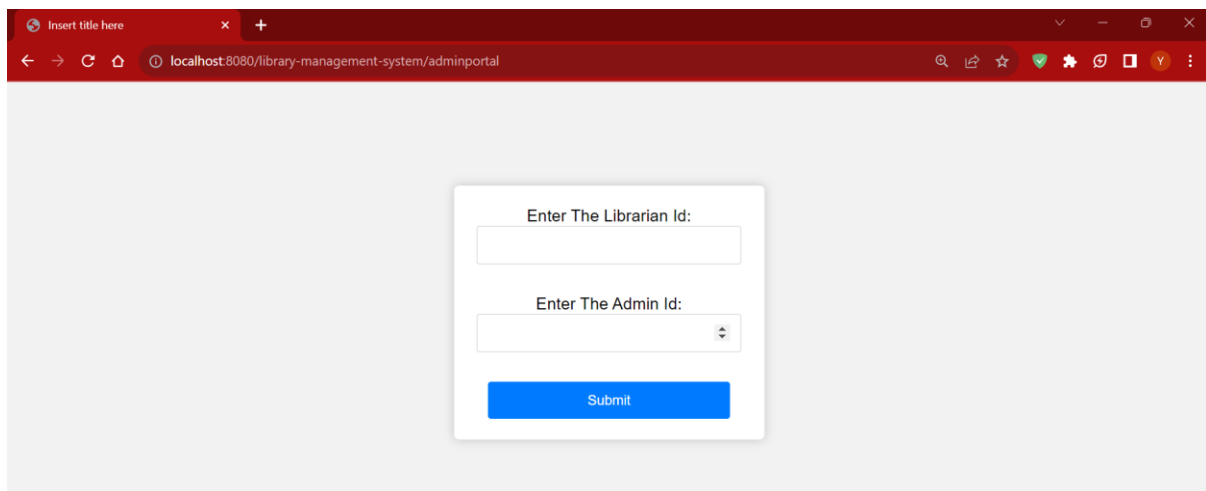
As given in the image below, if the librarian is registered but not authorized then status will become unauthorized and if admin authorizes the librarian then status changes to authorized and the admin id who authorized that particular librarian.
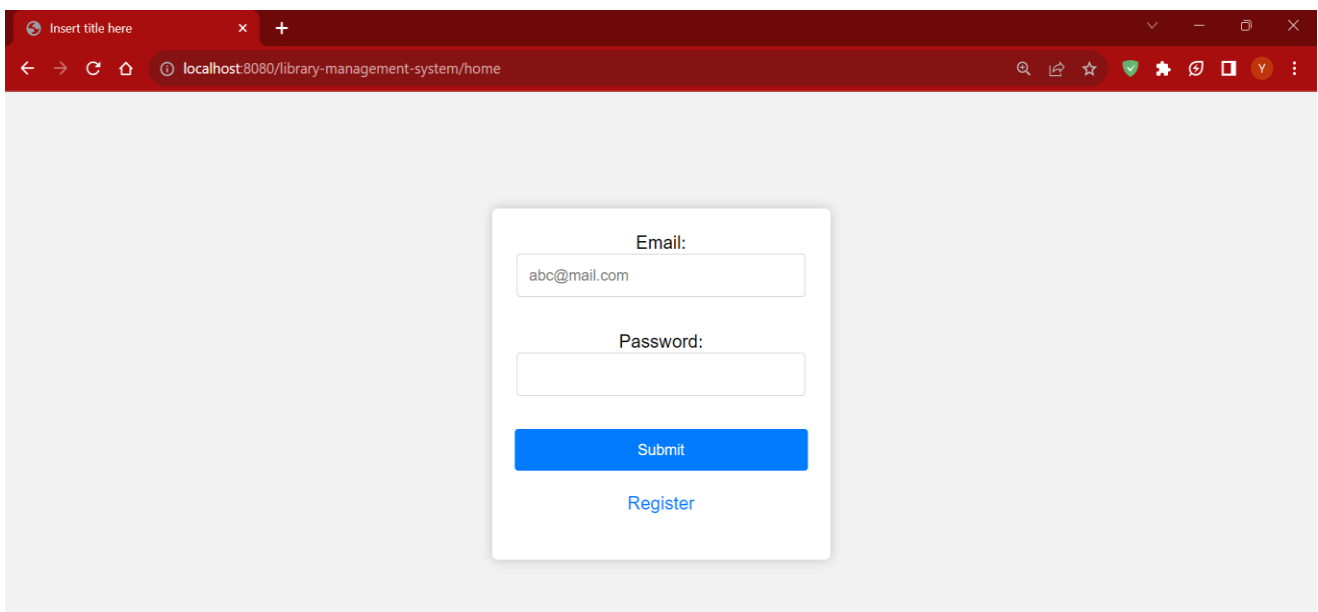

To authorize the librarian by the admin, admin has to enter librarian id to authorize that particular librarian .
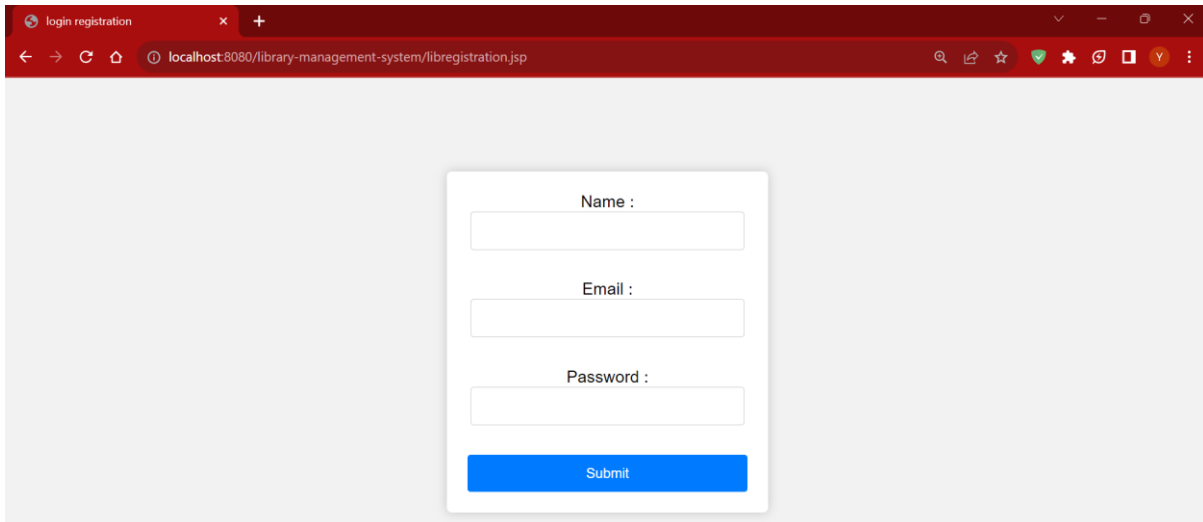

b. Librarian Section:

This is Librarian's login page. After login into the system, librarian can able to access the facilities provided the librarian
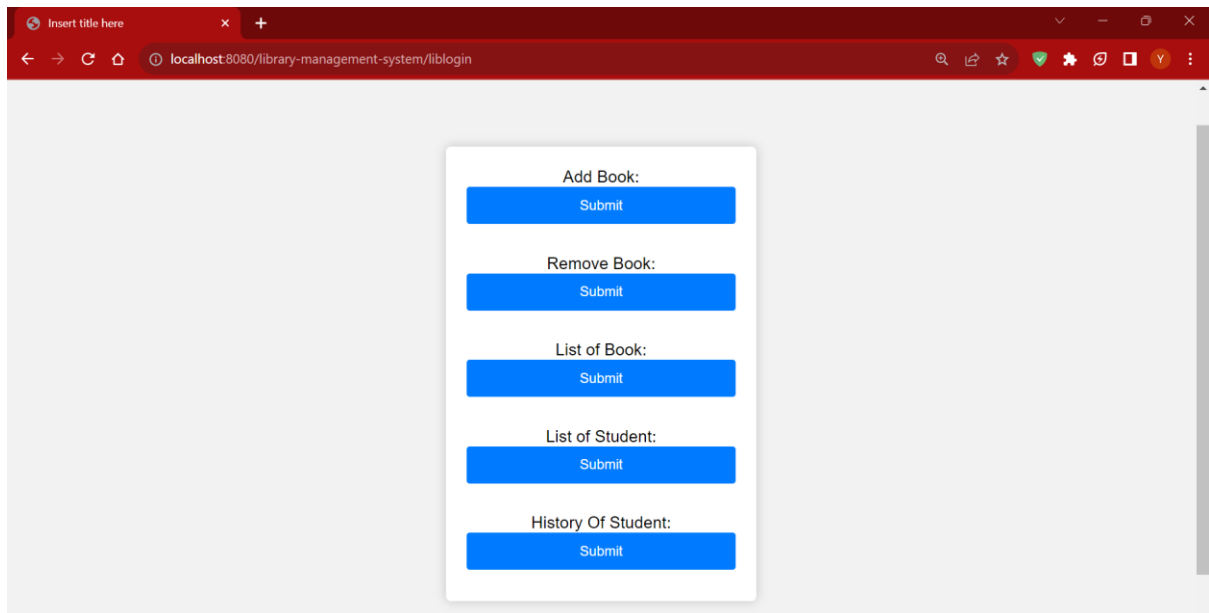
Librarian Registration Page:

For new librarian registration, it should be registered by entering following details and register it. Unless and until admin authorized that librarian , he/she should not be able to login and enter into the system.

Librarian Facilities:

After successful authorization , librarian can login and access the following facilities.

1. Add a new book
2. View List of books
3. List of students
4. All the history of issuing and returning book of every student

Add Book:

List Of Books:

Id	Author	Book name	Issue date	Status	Librarian id	Student Id	Issue book
1	Joseph Murphy	The Power of your subconscious mind	2023-10-17	Issued	2	1	Issue
2	Dr APJ ABDUL KALAM	Agnipankh	null	Avaliable			Issue
3	Dr APJ ABDUL KALAM	Turning Points: A Journey Through Challenges	null	Avaliable			Issue

List Of students:

student id	student name	Degree	Stream	Year	Delete	Update
1	Devesh	BE	EXTC	2022	Delete	Update

History of book issued and returned:

History Table

Id	Student Id	librarian Id	Book Id	Issue Date	Return Date
1	1	2	1	2023-10-17	2023-10-17
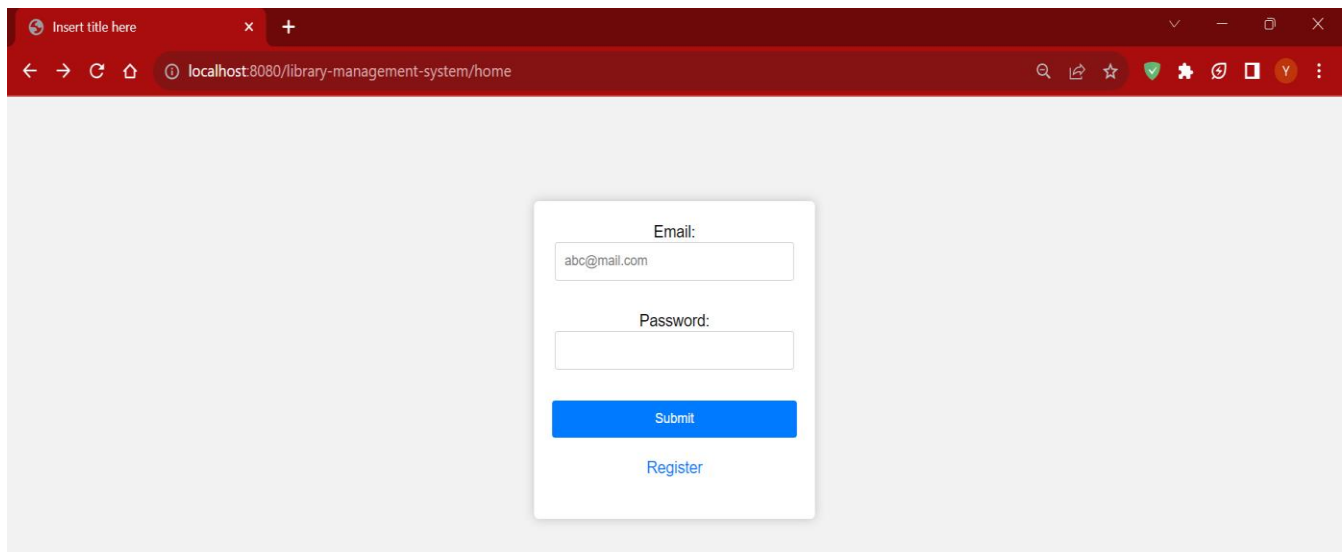
c. **Student Section:**

1. **Student Registration:**

If a student is a new user , then need to enter following details and complete the registration then only a particular student can login into the system.

Student Login:

After successful registration , student can login and access the portal , where he can issue the book , return the book . If a particular student issues a book then Status will change from **Available** to **Issued.** Again when student return the book then status will be changed from <u>Issued</u> to <u>Available.</u>

All the history of issue date and return date will be maintained by the librarian to keep track of records.