

Middleware Mini Project

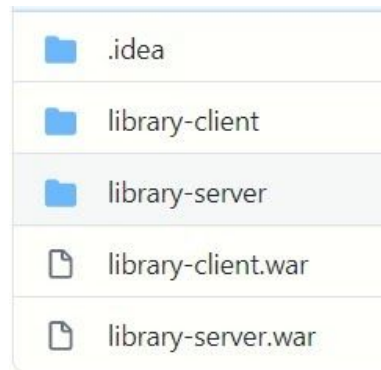
Library Management System

Team Members

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Design and Implementation

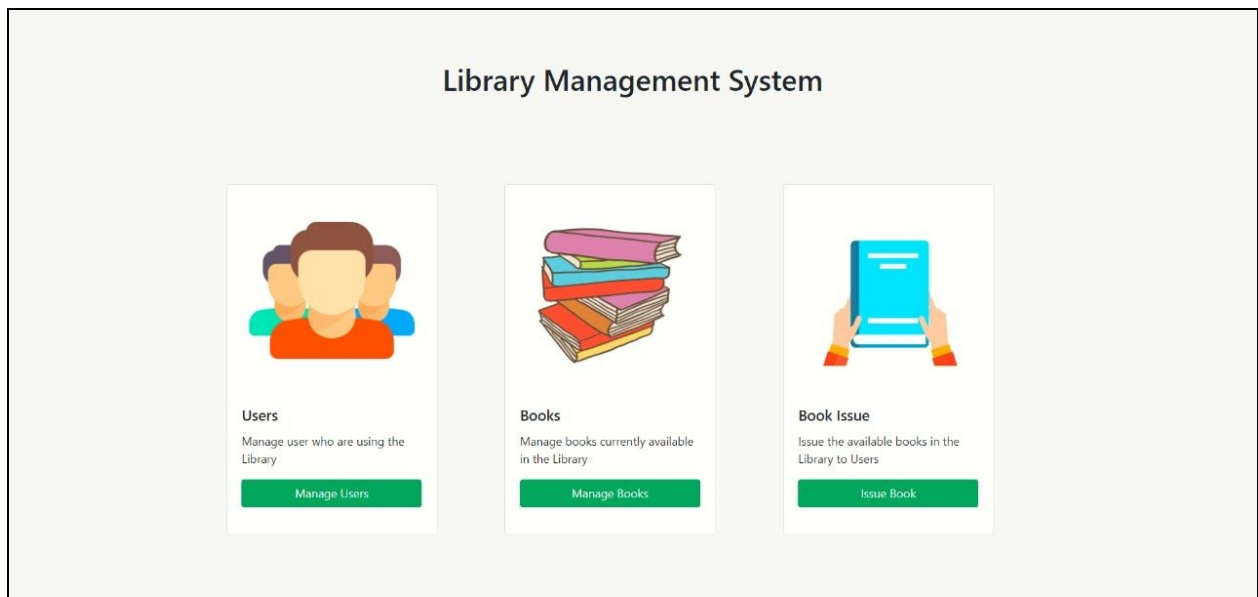
For the mini project we have implemented a simple library management system using Spring Boot and JSP web pages. We have implemented both client and server separately.



Both client.war and server.war files have to be deployed on tomcat server. We have used MySQL as our system database. Following are the main features of our system.

- Create/Update/Delete/Modify Users
- Create/Update/Delete/Modify Books
- Issue/Return Books

Main Screen



This is the main screen of our System which is a Library Management System. This is the first screen where the user will see in our system.

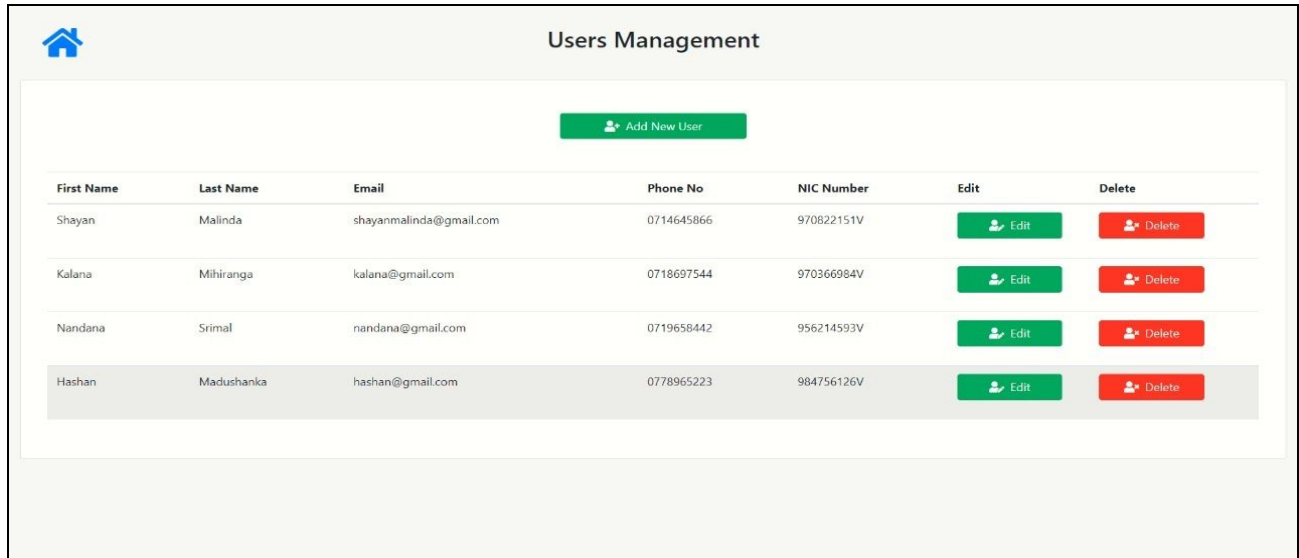
There are 3 main functionalities of our system. They are,

- Management of Users
- Management of Books
- Management of Book Issuing









Users can select either of the options from the above screen and proceed to the particular action that the user wanted.

For example if a user needs to manage a user they will need to go to the manage user page by clicking 'Manage Users'.

User Management



The screenshot shows a web interface titled "Users Management". At the top left is a blue home icon. Below the title is a green button labeled "Add New User" with a plus icon. Below this is a table with columns: First Name, Last Name, Email, Phone No, NIC Number, Edit, and Delete. The table contains four rows of user data. Each row has a green "Edit" button and a red "Delete" button. The last row is highlighted with a light gray background.

First Name	Last Name	Email	Phone No	NIC Number	Edit	Delete
Shayan	Malinda	shayanmalinda@gmail.com	0714645866	970822151V	 Edit	 Delete
Kalana	Mihiranga	kalana@gmail.com	0718697544	970366984V	 Edit	 Delete
Nandana	Srimal	nandana@gmail.com	0719658442	956214593V	 Edit	 Delete
Hashan	Madushanka	hashan@gmail.com	0778965223	984756126V	 Edit	 Delete

This is the 'User Management' page. Users can do the following functions by using this page.

- Adding a New User
- Editing an existing User Details
- Deleting a User
- Directing back to home page

In the following pages the main functionalities of the systems are described.

Following Screen is the one that can be used to add a new user.

Add New User

First Name

Last Name

Email

Phone Number

NIC Number

Add User

Cancel

Here, users can give the necessary details and Add a New User or cancel adding a using by clicking respective buttons.

This screen can be used to Edit details of a user.

Edit User

First Name

Last Name

Email

Phone Number


NIC Number

Save User


Cancel







Book Management

This is the main screen of book managing.



Books Management



ISBN	Title	Author	Count	Edit	Delete
001	Madol Duwa	Martin Wickramasinghe	10		
002	Sherlock Holmes	Conan Doyle	45		
003	Village By the Sea	Anita Desai	52		

The following screen can be used to add new books and edit existing book details in our system


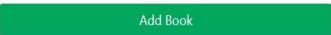
Add New Book

ISBN

Title

Author

Count



Edit Book

ISBN

Title

Author

Count

