

Library Management System (User Manual)

1. Introduction

Welcome to the Library Management System (LMS) User Manual.

This manual is designed to guide both **members** and **administrators (librarians)** through the features and functionalities of the LMS web application. Whether you're searching for books, managing borrowings, or maintaining library records, this document will help you use the system efficiently.

The system was developed as part of a full-stack web development project using **Spring Boot**, **React**, and **MySQL**. It is accessible via a web browser and supports user registration, book borrowing, and administrative controls such as book and member management.

2. How to Access the System

To use the Library Management System:

1. Open a web browser (e.g., Chrome, Firefox, or Edge).
2. Enter the system URL in the address bar.
3. You will be taken to the **Login Page**, where you can either:
 - **Log in** using an existing account, or
 - **Register** as a new member if you don't have an account yet

3. User Roles Overview

There are two types of users in the Library Management System:

Administrator (Librarian)

- Has access to the admin dashboard
- Can manage users (add, update, delete members)
- Can manage books (add, update, delete books)
- Can view and return borrowed books
- Can view borrowing history of each user

Member

- Can register and log in
- Can search for books
- Can borrow books (up to 3 at a time)
- Can reserve books that are currently borrowed
- Cannot return books directly — must wait for admin to return

4. Member User Guide

This section explains how members can interact with the Library Management System.

4.1 Registering a New Account

1. On the login page, click **“Register”**.
2. Fill in your name, email address, and password.
3. Click **“Submit”** to create your account.
4. You will be redirected to the login page. Enter your email and password to log in.

4.2 Logging In

1. Go to the login page.
2. Enter your registered **email** and **password**.
3. Click **“Login”** to access your member dashboard.

4.3 Searching for Books

1. After logging in, you'll see the **book search page**.
2. Use the search bar to filter by book title, author, or category.
3. Results will appear in a list below.

4.4 Borrowing a Book

1. Find a book with status **“Available”**.
2. Click the **“Borrow”** button at the bottom of the book card.
3. You can borrow up to **3 books at a time**.
4. Once borrowed, the book's status will change to **“Borrowed”**.

4.5 Reserving a Book

1. If a book is already borrowed by someone else, its status will be **“Borrowed”**.
2. Click the **“Reserve”** button to join the reservation queue.
3. You will be notified when the book is returned and becomes available.

5. Administrator (Admin) User Guide

This section is for users with admin access (librarians). Admins manage members, books, and borrowing activities in the system.

5.1 Logging In as Admin

1. Go to the login page.
2. Enter your **admin email** and **password**.
3. Click **“Login”** to access the admin dashboard.

5.2 Managing Members

1. Click on the **“Members”** tab in the navigation menu.
2. You will see a list of registered members.

5.3 Managing Books

1. Click on the **“Books”** tab.
2. Admins can:
 - **Add** a new book by entering its details
 - **Edit** existing book information
 - **Delete** a book from the system

5.4 Viewing & Returning Borrowed Books

1. Go to the **“Borrowed Books”** page.
2. View all current borrowings by members.
3. To return a book:
 - Click the **“Return”** button on the book card.
 - The book’s status will change to **“Available”** or **“Reserved”** (if someone else reserved it).

5.5 Viewing Borrowing History

1. Go to the **Borrowing History** section.
2. You can view all past borrowings made by any member.

6. Forgot Password & Reset


If a user forgets their password, they can reset it using the “Forgot Password” feature.

6.1 Forgot Password

1. On the login page, click “**Forgot Password?**”
2. Enter your **registered email address**.
3. The system will send a reset password link to the registered email address.
4. Follow the link to proceed to the reset page.

6.2 Resetting the Password

1. From the email link, the user is directed to the **Reset Password** page.
2. Enter a **new password** and confirm it.
3. Click “**Reset Password**”.
4. You will be redirected back to the login page with a success message.

 *Note: During development, emails may not be sent to the real user email. The system uses a fixed test address.*