

LIBRARY MANAGEMENT SYSTEM

The project is based on a Library management system.

A library management system is software made specifically to control every aspect of a library. It aids librarians in maintaining a database of newly released books as well as books that members have borrowed and their due dates. Each and every activity in your library is fully automated by this system. Implementing a library management system software is the best approach to systematically maintain, arrange, and handle innumerable books. Records for libraries are kept up to date using a library management system. It keeps track of the numbers of books in the library, how many are issued, how many are returned or renewed, how many have late fines assessed, etc.

As part of this project, I have designed a simple Library Management System with two specific users:

- 1) Student or member.
- 2) Librarian or admin.

A librarian can perform the following operations:

- 1) insert new book details
- 2) update the quantities of the books
- 3) search any book
- 4) remove a book from the database.

A student or a member can perform the following functions like:

- 1) view all the available books in the library
 - 2) search for a specific book
 - 3) request a book
 - 4) check what all books are assigned in his name.
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Following are some of the screenshots of the interface:

LIBRARIAN:

- 1) Insert new book details:

Library Management System [Logout](#)

Welcome!

Add Books

View Book Details

Update Book Details

Remove Books

Issued Books

Enter the book details to insert into the library database.

Enter ISBN:

Enter Title:

Enter Author ID:

Enter Publisher ID:

Enter Price:

Enter Quantity:

2) Search for a specific book

Library Management System

Logout

Welcome!

Add Books

View Book Details

Update Book Details

Remove Books

Enter the book title you are looking for.

Enter Title:

Library Management System

Logout

Welcome!

Add Books

View Book Details

Update Book Details

Remove Books

Book details

ISBN	Book Title	Author	Publisher	Price	Quantity
DC0123	Power Dynamics	1	2	Rs.2345	1

3) Update the number of copies for a specific book.

Library Management System

Logout

Welcome!

Add Books

View Book Details

Update Book Details

Remove Books

Enter the number of copies along with the book isbn to be updated.

Enter ISBN:

Enter Quantity:

4) Delete a specific book from the database.

Library Management System

Logout

Welcome!

Add Books

View Book Details

Update Book Details

Remove Books

Enter the ISBN of the book to be removed.

Enter ISBN:

STUDENT:

1) Can request and view available books.

Library Management System

Logout

List of Available Books

Selected book has been requested. Soon you'll be notified when the book is issued to your account!

	ISBN	Book Title	Author	Publisher	Price	Quantity
<input type="radio"/>	CSC5012	Advanced Microprocessors and Peripheral	1	2	715	3
<input type="radio"/>	CSC5013	DATABASE SYSTEM CONCEPTS	2	1	526	5
<input type="radio"/>	CR12345	Statistics	2	3	456	7

Request Book

2) Search for a specific book

Library Management System

Logout

Welcome!

Available Books

Search Book

My Books

Enter the title of the book you are looking for.

Enter Title: