



# USER MANUAL

VERSION 2.0

## LIBRARY MANAGEMENT SYSTEM

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IQRA UNIVERSITY

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## Overview

Having access to a resourceful and book jammed library is known as a prominent step for information development of knowledge seekers and plays a vital rule in education and research.

Recognizing this important feature for knowledge development especially in higher education section prompted us to create an ultra-systematic library system for facilitation of fast accessing to the needed source for research and study.

This project conquers the current challenging problem existing in Iqra University Libraries and it's manually workflow fulfilled procedure by introducing and implementing a systematic solution for each one of the existing problem which will lead to reduction and overcoming the problems and challenges.

Generally, the Library Management System is aimed to substitute the existing classical and wrecked paper-based library system of Iqra University Library enabling the library members to perform all the specified duties assigned to a library most effective manner.

Implementation of this project enables the library staff (librarian) to make entry of new library resources i.e. books, members and etc.as well as updating, deleting and issuing a book to a member, find out details of library resources such as total number of books and members accurately for example, members by their gender, and books which are issued to members and did not return on time and many more.

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The librarian are able to use this project to find out details of all the books which are present currently in the library and determining whether they are exist inside the library or borrowed by library members and the due time for returning the borrowed book and etc

## Installation

It is completely easy to install and use, this system can be installed and configured over an intranet and/or internet and can be globally accessible by certain computer or computers. So, never hesitate to access this resourceful library wherever you are! Following is an instruction for installing this system on an intranet network as follow:

1. You need to install and configure Apache, PHP and MySQL on your server computer either each one individually or using the WAMP Server (for Windows OS), MAMP Server (for Mac OS), and last but not least the XAMP Server (for Linux OS) that bundled all the following required tools together.

- a. Apache 2.2.x
- b. MySQL 5.5.x
- c. PHP 5.3.x

## Support and Helpdesk

We would be glad to offer you any supportive information about the probable problems that you might encounter with or having your valuable suggestion for even more and more amendment and development of LMS. Your contacts through the following addresses are mostly welcomed.

Email: Raghbir.raees121@gmail.com

Contact No: 03350367621

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## Getting Started with LMS

**Now for Using the LMS, the following steps should be taken:**

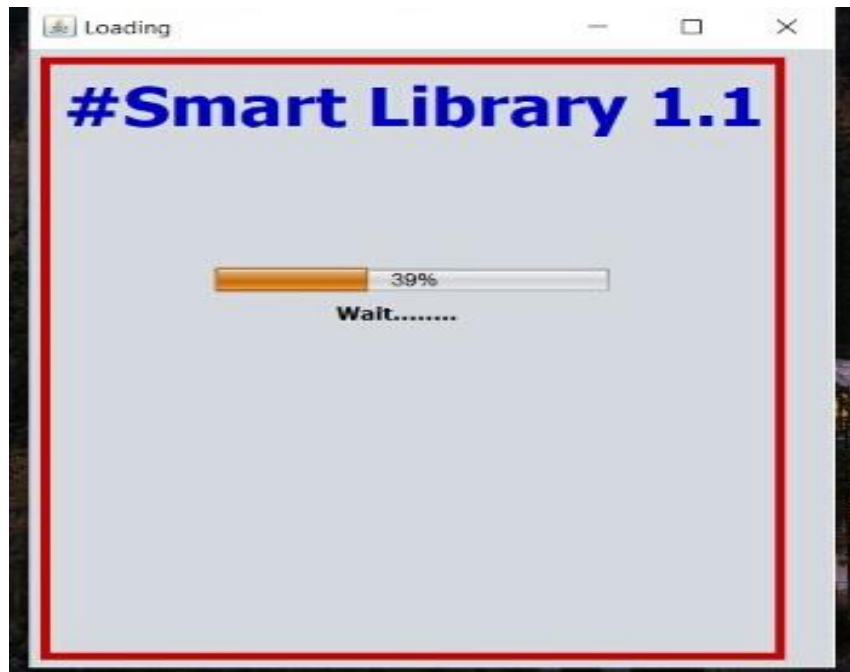
1. In the Login screen that appears, by accessing the software insert your Username and Password which will be given to you by the Admin and then click on Login button.



2. It will now display the Operation according to your level of access and permission to the system.

**NOTE: It is mentionable that at any time you are able to Reset your password, username, with in the system whenever you are logged in**





## User Roles and Definition

**Librarian:** Users with privilege of librarians could have access to the most features of the system and are authorized to manage library resources, members, books, eBooks, new, and etc.

## LMS at a Glance

**The key features of HULMS are as follows:**

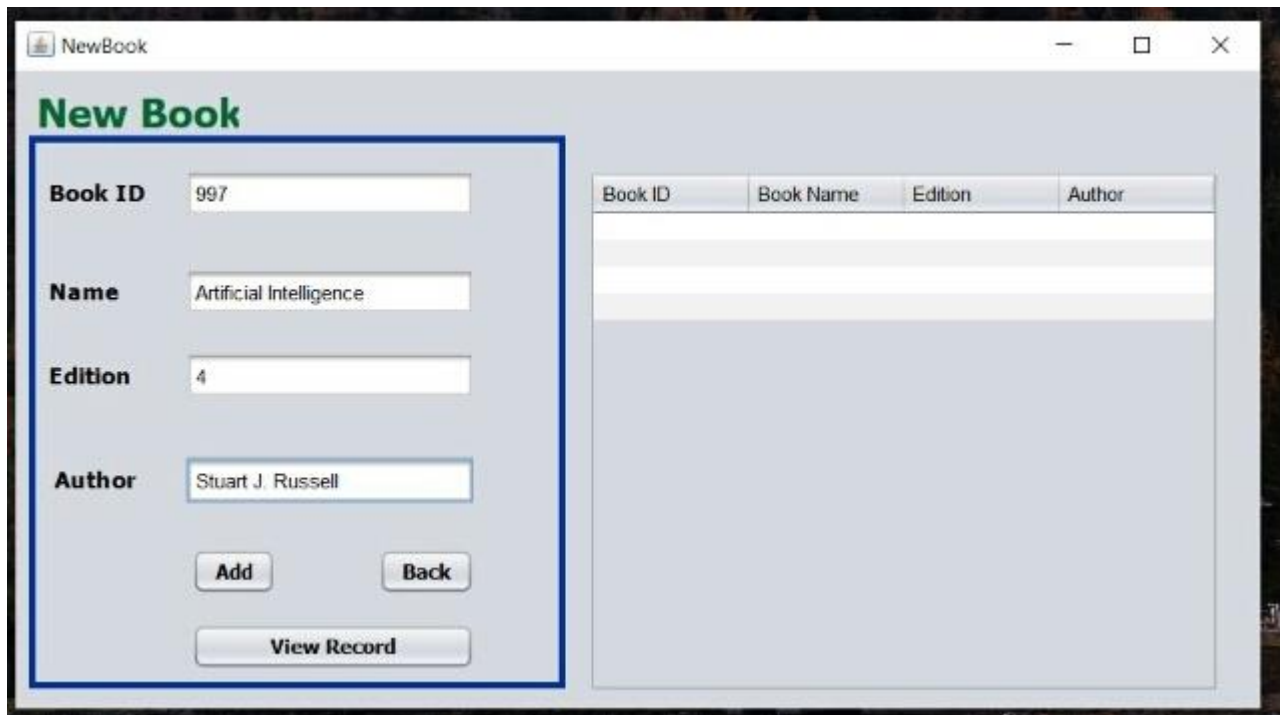
1. **Book section:** Librarian go to the New Book section .This section refers to the librarian through which they are able to manage their Book resources i.e. Add books, Book detail like book name, Edition, and Author etc. and than click on Add button.

## Add Books:

**Librarian can add new books to Library via form in this page**

The screenshot shows a Java Swing application window titled "NewBook". The window features a light gray background. At the top, there is a title bar with standard Windows-style controls (minimize, maximize, close). Below the title bar, the main area is divided into two sections. On the left, a blue-bordered panel contains a form for adding a new book. It includes labels and input fields for "Book ID" (containing the number 997), "Name", "Edition", and "Author". Below these fields are three buttons: "Add", "Back", and "View Record". On the right side of the window, there is a table with four columns: "Book ID", "Book Name", "Edition", and "Author". The table currently displays no data rows.

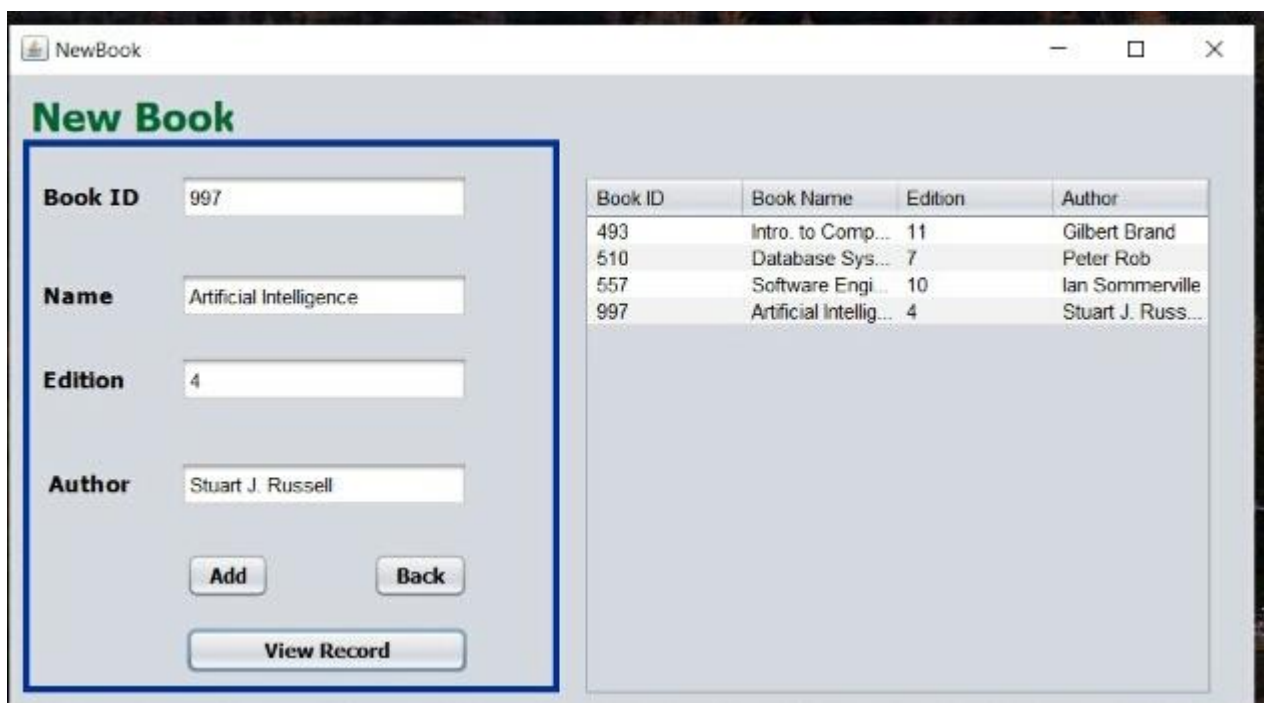
**Note: Book ID automatically generated by the System**



The screenshot shows a web application window titled "NewBook". On the left, there is a form titled "New Book" with four input fields: "Book ID" (containing "997"), "Name" (containing "Artificial Intelligence"), "Edition" (containing "4"), and "Author" (containing "Stuart J. Russell"). Below these fields are three buttons: "Add", "Back", and "View Record". On the right, there is a table with four columns: "Book ID", "Book Name", "Edition", and "Author". The table is currently empty.

Book ID	Book Name	Edition	Author
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Librarian can check Records than click View Record Button to Library via form in this page



The screenshot shows the same "NewBook" application window. The form on the left is identical to the previous one. The table on the right now contains four rows of data:

Book ID	Book Name	Edition	Author
493	Intro. to Comp...	11	Gilbert Brand
510	Database Sys...	7	Peter Rob
557	Software Engi...	10	Ian Sommerville
997	Artificial Intellig...	4	Stuart J. Russ...

2. **Student section:** Librarian go to the New Student section .This section refers to the librarian through which they are able to add their student detail i.e. Add Name, Father Name, Course, Semester etc. and than click on Register button .

### Add Student:

**Librarian can add new Student to Library via form in this page**

**New Student**

Student ID: 17

Name:

Father Name:

Course:

Semester:

Register Back View Record

Student ID	Name	Father Name	Course	Semester

**Note: Student ID automatically generated by the System**

NewStudent

# New Student

Student ID	Name	Father Name	Course	Semester
17	M.	KI	Co	8

**Student ID**


**Name**

**Father Name**

**Course**

**Semester**

Message

 New Student Inserted

Librarian can check Records than click View Record Button to Library via form in this page

**New Student**

Student ID: 117

Name: S.M. Umer

Father Name: Ali

Course: CS

Semester: 7

Buttons: Register, Back, View Record

Student ID	Name	Father Name	Course	Semester
17	M. Hamza	Khan	CS	8
117	S.M. Umer	Ali	CS	7
289	Binyamin	Muhammad Y...	CS	6
344	Raghib Uddin	Raees	CS	7
555	Muhammad U	Arif	CS	7

3. **Issue Book section:** Librarian go to the Issue Book section .This section refers to the librarian through which they are able to search their Book ID and student ID System can search Book detail if Book Available Librarian can search Student Detail if student detail Available Librarian can issue Book if Student detail not Available  
Librarian can first add new student detail i.e. Add Name, Father Name, Course, Semester etc. and than click on Register button .

## Searching for the Books

This is the most important feature of the LMS that provides a search engine for the members in order to look after their favorite books based on different criteria i.e. book title, author, category, section, as well as searching for a specific library among other libraries.

Through this feature you will know that either your favorite book is available inside the library or already borrowed and taken out by someone else and when will be returned back to the library.

### Book Detail

Book ID

Search

Name

Edition

Author

### Student Detail

Student ID

Search

Name

Father Name

Course

Semester

Date Of Issue

Issue

Back

View Record

Book ID	Student ID	Date of Is...	Book Na...	Edition	Author	Student ...	Father N...	Course	Semester
997	289	05/09/20 ...	Artificial In...	4	Stuart J. ...	Binyamin	Muhamm...	CS	6
510	344	05/09/20 ...	Database...	7	Peter Rob	Raghib U...	Raees	CS	7
493	17	05/09/20 ...	Intro. to C...	11	Gilbert Br...	M. Hamza	Khan	CS	6

Issue Book

### Book Detail

Book ID

997

Search

Name

Artificial Intelligence

Edition

4

Author

Stuart J. Russell

### Student Detail

Student ID

289

Search

Name

Father Name

Course

Semister

Date Of Issue

Issue

Back

View Record

Book ID	Student ID	Date of Is...	Book Na...	Edition	Author	Student ...	Father N...	Course	Semester

- Return Panel** : Librarian go to the Return Panel .This section refers to the librarian through which they are able to search their Student ID and Book ID System can search Student detail if Student Detail Available Librarian can search Book Detail if Book detail Available Librarian can check return date and than click Return button



Return Book

Return Panel

Student ID

Search

Book ID

Name

Name

Father Name

Edition

Course

Author

Semlster

Date Of Issue

Return Date

Return

Back

View Record

Book ID	Student ...	Date of L...	Date of ...	Book N...	Edition	Author	Student ...	Father ...	Course	Semester

17

Return Book

## Return Panel

Student ID
17

Book ID
493

Search

Name
Khan

Name
i to Computer Science

Father Name
M. Hamza

Edition
11

Course
CS

Author
Gilbert Brand

Semister
6

Date Of Issue
05/09/20 20:34:32

Return Date
05/09/20 20:35:16

Return
Back
View Record

Book ID	Student ...	Date of I...	Date of ...	Book N...	Edition	Author	Student ...	Father ...	Course	Semester
557	289	05/09/20	05/09/20	Softwar	10	Ian Som...	Binyamin	Muham...	CS	6
493	17	05/09/20	05/09/20	Intro. to	11	Gilbert ...	M. Ham...	Khan	CS	6

Return Book

Return Panel

Student ID

17

Search

Book ID

493

Name

Khan

Name

i. to Computer Science

Father Name

M. Hamza

Message

i

Book Returned

OK

Course

CS

Issue

05/09/20 20:34:32

Semister

6

Return Date

05/09/20 20:35:16

Return

Back

View Record

Book ID	Student ...	Date of I...	Date of ...	Book N...	Edition	Author	Student ...	Father ...	Course	Semester

19

Issue Book

Book Detail

Book ID

997

Search

Name

Artificial Intelligence

Edition

4

Author

Stuart J. Russell

Student Detail

Student ID

289

Search

Name

Binyamin

Father Name

Muhammad Yaqoob

CS

3

Message

i

Book Issued

OK

09/20 20:32:55

Issue

Back

View Record

Book ID	Student ID	Date of Is...	Book Na...	Edition	Author	Student ...	Father N...	Course	Semester
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20