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Library Management System – User Guide

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# Introduction

The Library Management System is a Java desktop application designed to simplify the process of managing books within a library setting. Through an intuitive graphical user interface (GUI), the system enables users to efficiently handle key operations such as adding new books, removing existing books, displaying all available books, and searching for books by title or author. This guide offers clear guidance on how to operate the system efficiently and is designed for library staff, students, and all users or managers of the application.

# Getting Started

1. Ensure Apache NetBeans is installed on your system.
2. Launch the application.
3. Run LibraryManagementSystem.java.
4. The main window will open, displaying the available actions.

# User Interface Overview

• Main Menu:

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The main navigation screen offering access to all features:

- Add a Book

- Display All Books

- Search Book By Title

- Search Book By Author

- Remove Book

- Exit

• Add a Book: Adds a book to the library by inputting the title, the author’s name, the ISBN, the book type (Printed Book or EBook), and either the number of pages or the file size.

A screenshot of a computer

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• Display All Books: Shows the list of all the stored books when the 'Display' button is pressed.

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• Search Book By Title: Allows users to enter a title and retrieve the matching results when the 'Search' button is pressed.

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• Search Book By Author: Allows users to enter an author’s name and retrieve the matching results when the 'Search' button is pressed.

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• Remove Book: Enables users to find a book by the title and remove it from the library.

A screenshot of a book title

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• Exit: Allows you to close the application.

# Core Features & Functions

• Add a Book:

1. Write the title of the book in the highlighted box.

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1. Select the book type in the highlighted boxes.

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1. Write the author’s name in the highlighted box.

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1. Write the ISBN of the book in the highlighted box.

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1. Write the number of pages or the file size of the book in the highlighted box.

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1. Click the ‘Save’ to add the book to the library once all the steps are completed.

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• Display All Books:

1. Click the ‘Display’ button to display all the books.

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A screenshot of a computer

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• Search Book By Title:

1. In the highlighted box, enter the title of the desired book.

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2. Click the ‘Search’ button to display all the books that have a matching title.

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• Search Book By Author:

1. In the highlighted box, enter the author of the desired book.

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2.Click the ‘Search’ button to display all the books that have a matching author.

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• Remove Book:

1. In the highlighted box, enter the title of the desired book.

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2. Click the ‘Remove’ button to remove the book.

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AI-generated content may be incorrect.

3. Click the ‘Display’ button to display all the books.

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A screenshot of a computer

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# Advanced Features

There are no advanced features.

# Troubleshooting & FAQs

**Q: The application won't launch.**  
A: Make sure Apache NetBeans is installed and your system meets the requirements.

**Q: A book doesn’t appear after I add it.**  
A: Try refreshing the list using the **"Display"** button.

**Q: How do I update a book's information?**  
A: Currently, this version does not support updates. Remove and re-add the book with new details.

# Appendices

Glossary:

- ISBN: International Standard Book Number.

- EBook: A digital format of a book Keyboard.

Shortcuts:

Coming soon…

Additional Resources:

There are no additional resources.