

Capstone Project-1

Library Management System

Report

1. Add Book Information:

This feature allows users to add new books to the library's database. Users must provide essential details such as the book's title, author name, book's id. This information is crucial for cataloging and helps in easy retrieval and management of books within the library.

2. Display Book Information:

This functionality enables users to view the details of all the books available in the library. The displayed information typically includes the book's title, author, book's id. This feature is useful for users who want to browse the library's collection or find specific information about a book.

3. List All Books of a Given Author:

This feature allows users to search for and list all books written by a specific author. By entering the author's name, the system retrieves and displays a list of all books by that author available in the library. This is particularly useful for users who are interested in exploring works by their favourite authors.

4. List the Count of Books in the Library:

This functionality provides users with the total count of books currently available in the library. It helps in understanding the size of the library's collection and can be useful for inventory management and reporting purposes.

5. Exit:

This option allows users to exit the Library Management System. It ensures that users can safely close the application after completing their tasks.

Conclusion:

The Library Management System is a comprehensive tool designed to streamline the management of library resources. It offers essential functionalities such as adding new book information, displaying book details, listing books by a specific author, and providing the total count of books in the library. These features collectively enhance the efficiency of library operations, making it easier for users to access and manage the library's collection. By implementing this system, libraries can ensure better organization, improved user experience, and effective inventory management .

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