

LIBRARY MANAGEMENT SYSTEM

- Aditya Singh

Introduction

- Library management is a project that manages and stores books information electronically according to students needs. The system helps both students and library manager to keep a constant track of all the books available in the library. It allows both the admin and the student to search for the desired book.
- The project titled Library Management System is Library Management software for monitoring and controlling the transactions in a library. The project “Library Management System” is developed in C, which mainly focuses on basic operations in a library like adding new books, and updating new information, searching books and members and return books.
- This project “LIBRARY MANAGEMENT SYSTEM” gives us the complete information about the library. We can enter the record of new books and retrieve the details of books available in the library. We can issue the books to the students and maintain their records and can also check how many books are issued and stock available in the library. In this project we can maintain the late fine of students who returns the issued books after the due date

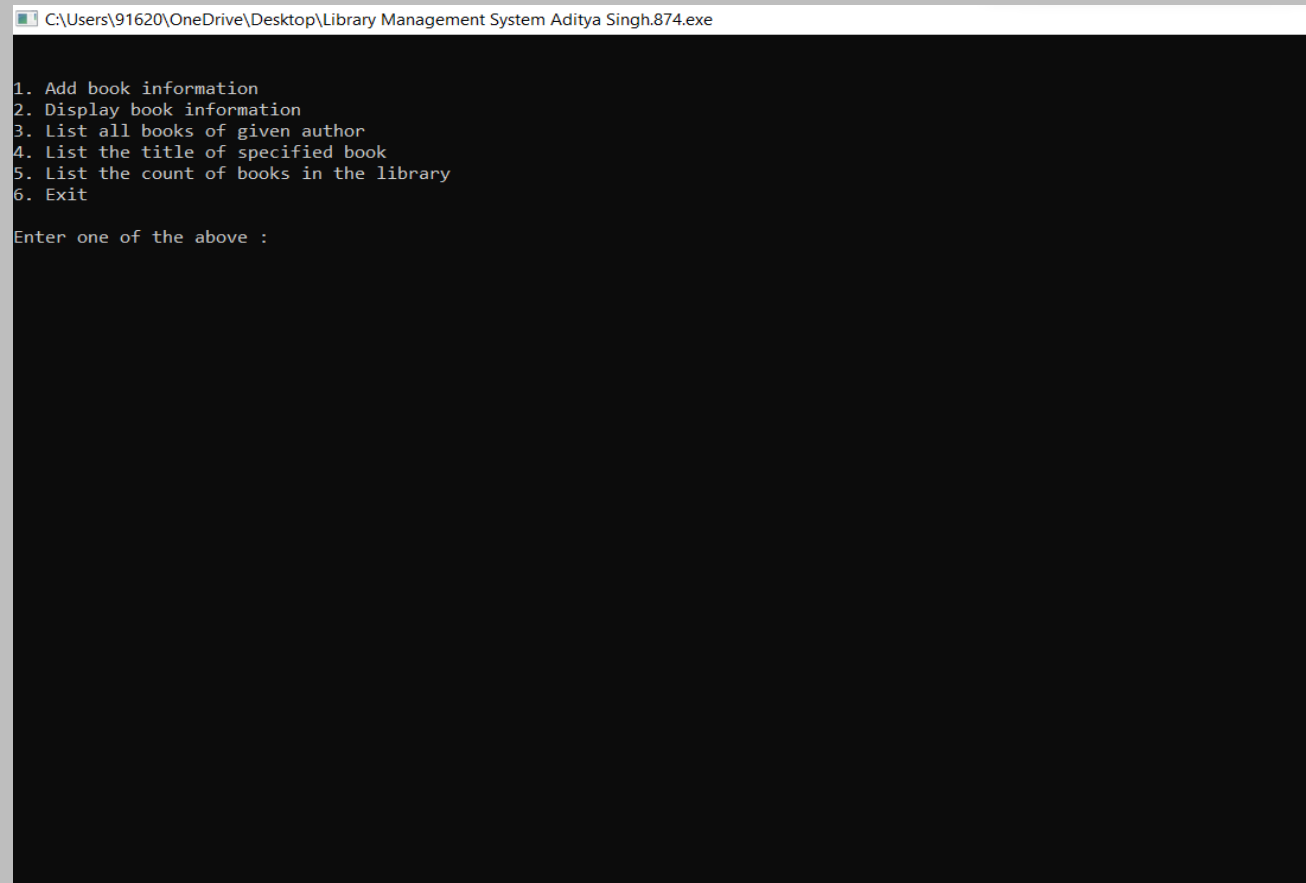
Project Abstract

1. Library Management System is a simple system application without graphics developed using C programming language.
2. It is compiled in Dev C++ and using GCC compiler.
3. This mini project utilizes various aspects of the C language such as functions, arrays, pointers, file handling and data structure.
4. With this simple application , users can perform all the book related operations and features provided by todays advanced library management software.
5. With this library management system we can store book information with author , number of pages , price and count the number of books and perform various updates with the list.

Project Features

- To add book name
- To add authors name
- To add number of pages
- To add the price of the book
- To view total no of books
- To display book information
- At last to close the program exit feature is given

Library management program execution



A screenshot of a Windows command prompt window. The title bar at the top reads "C:\Users\91620\OneDrive\Desktop\Library Management System Aditya Singh.874.exe". The command prompt area has a black background with white text. It displays a numbered menu with six options: "1. Add book information", "2. Display book information", "3. List all books of given author", "4. List the title of specified book", "5. List the count of books in the library", and "6. Exit". Below the menu, the text "Enter one of the above :" is displayed, followed by a blank line for user input.

```
C:\Users\91620\OneDrive\Desktop\Library Management System Aditya Singh.874.exe

1. Add book information
2. Display book information
3. List all books of given author
4. List the title of specified book
5. List the count of books in the library
6. Exit

Enter one of the above :
```

Saving Book Information

```
C:\Users\91620\OneDrive\Desktop\Library Management System Aditya Singh.874.exe

1. Add book information
2. Display book information
3. List all books of given author
4. List the title of specified book
5. List the count of books in the library
6. Exit

Enter one of the above : 1
Enter book name = Gold
Enter author name = Prince
Enter pages = 300
Enter price = 150

1. Add book information
2. Display book information
3. List all books of given author
4. List the title of specified book
5. List the count of books in the library
6. Exit

Enter one of the above : 2
you have entered the following information
book name = Gold      author name = Prince      pages = 300      price = 150.000000

1. Add book information
2. Display book information
3. List all books of given author
4. List the title of specified book
5. List the count of books in the library
6. Exit

Enter one of the above :
```

Total Books Saved Count

```
1. Add book information
2. Display book information
3. List all books of given author
4. List the title of specified book
5. List the count of books in the library
6. Exit

Enter one of the above : 1
Enter book name = Gold
Enter author name = Prince
Enter pages = 300
Enter price = 150

1. Add book information
2. Display book information
3. List all books of given author
4. List the title of specified book
5. List the count of books in the library
6. Exit

Enter one of the above : 2
you have entered the following information
book name = Gold      author name = Prince      pages = 300      price = 150.000000

1. Add book information
2. Display book information
3. List all books of given author
4. List the title of specified book
5. List the count of books in the library
6. Exit

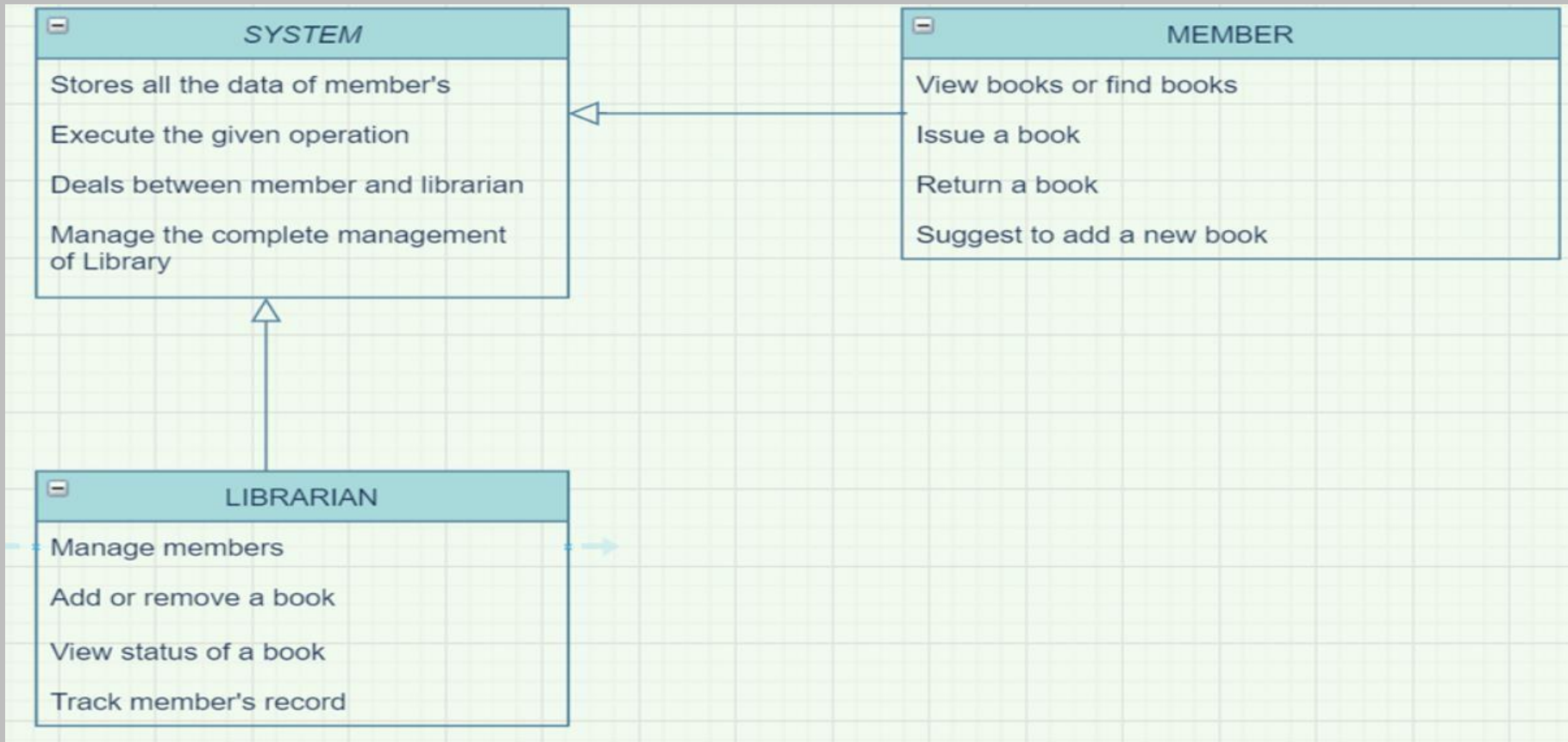
Enter one of the above : 5

No of books in library : 1

1. Add book information
2. Display book information
3. List all books of given author
4. List the title of specified book
5. List the count of books in the library
6. Exit

Enter one of the above :
```

Flow chart for Library management system



- **BENEFITS:**

- a) Record Maintenance.
- b) Web-Based Solution.
- c) Saves Time and Cost.
- d) Secure and Reliable.
- e) Increases Efficiency.
- f) Simple and Easy to Use.

Thank You

Project made by

Aditya Singh (RA2111003011874)

Aayush kashyap (RA2111003011868)

Adhavan.k (RA2111003011878)