

{Library Management System}



A project report submitted to
The department of Computer Application

MASTER OF COMPUTER APPLICATION

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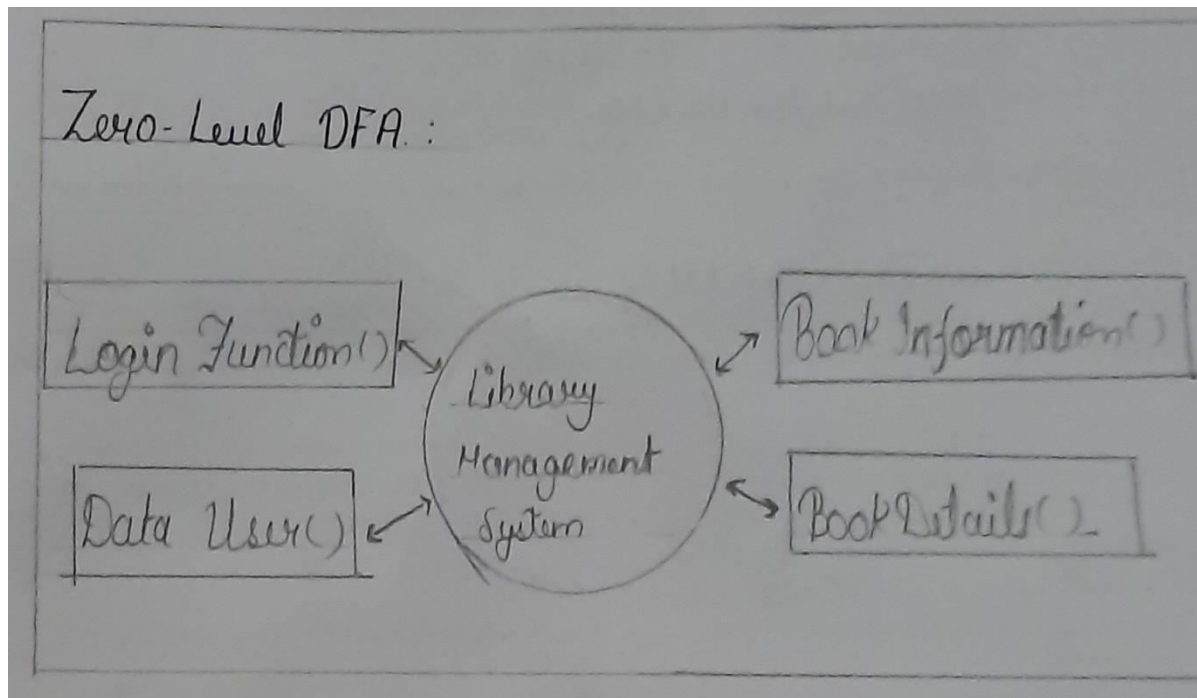
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DESCRIPTION

Here is simple description about the project Library management. In it we are using class BookDetails(),BookInformatipn(),DataUser.Only Librarian can access this project In A library management system enhances the efficiency of both the librarians and the library users . It also enables librarians to easily catalog books and keep proper records of books issued, reissued, and those not returned.

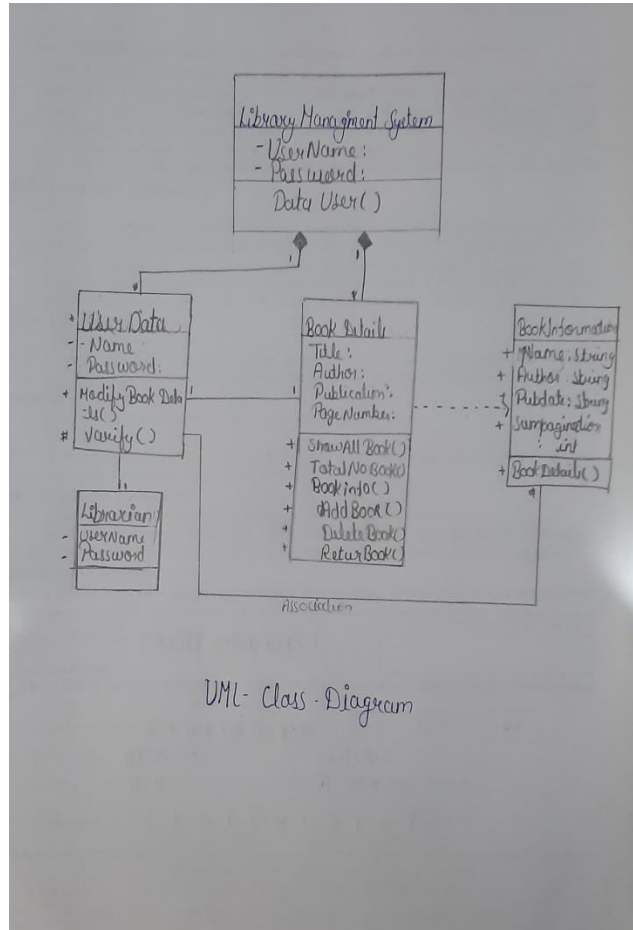
1. Any library member should be able to search books by their title, author, subject category and date.
2. Each book will have a unique identification number and other details are includ which will help to check the book.
3. There could be more than one copy of a book, and library members should be able to check-out and reserve any copy by details blog. We will call each copy of a book, a book item,add or delete book
4. The system should be able to retrieve information like who took a particular book or what are the books are return by a specific library member.Library member can easily see all the book information.
5. There should be a maximum limit (4) on how many books a member can check-out.

Data Flow Diagram



UML Diagram

Class Diagram:



Output:

```
2
Enter the username:
munshi:p
Enter the password:
lums123
*****

Welcome munshi:p!

Choose from the Following options:

- For adding an administrator account to the system, press 1
- For adding a faculty account to the system, press 2
- For adding a student account to the system, press 3
- For adding a book to the system, press 4
- For adding a course pack to the system, press 5
- For adding a magazine to the system, press 6
- For removing a user account from the system, press 7
- For removing a resource from the system, press 8
- For logging out of the system, press 9
```

```
The book number is1The detailed information is:
Book name:JAVA Language
Author:James Gosling
Publication Date:2020-12-05
Total pages:1654*****BOOK-12*****

The book number is2The detailed information is:
Book name:Data Structure and Algorithms
Author:Alfred V. Aho
Publication Date:1999-07-25
Total pages:656*****BOOK-13*****

The book number is3The detailed information is:
Book name:Operating Systems
Author:Gray J Nutt
Publication Date:2016-01-31
Total pages:1120*****BOOK-14*****

The book number is4The detailed information is:
Book name:Let Us C
Author:Yashavant Kanetkar
Publication Date:2017-04-04
```

Press the ENTER key to again Back to the main menu:

Please Select from the following Options :

```
1: All book information
```

2 : Add new book

3: Modify the information of the book

4: Delete book

5: Return Book

```
6 :Exit the system
```

Please enter the Any One option :2

Please enter Algorithms Ananlysisauthor: *James K*

Press the ENTER key to again Back to the main menu:

```
javadoes not exist in this library.
Enter 0 and press Enter to return to the main menu, enter other keys to continue to return the book:
Enter the name of the book to be returned:
1does not exist in this library.
Enter 0 and press Enter to return to the main menu, enter other keys to continue to return the book:
Enter the name of the book to be returned:
does not exist in this library.
Enter 0 and press Enter to return to the main menu, enter other keys to continue to return the book:
Please Select from the following Options :

1: All book information

2 : Add new book

3: Modify the information of the book

4: Delete book

5: Return Book

6 :Exit the system

Please enter the Any One option :0

Process finished with exit code 0
```