

GLA UNIVERSITY

TOPIC: MINI PROJECT SYNOPSIS ON Library Management System

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DECLARATION

I hereby declare that the work which is being presented in the Minor Project-II “**Library Management System**” in partial fulfillment of the requirements for Project is an authentic record of my own work carried under the supervision of **Mr. Sumit Nagar Technical Trainer** , GLA University, Mathura.

I hereby declare that the submission is my own work and that, to the best of my knowledge and belief. I also confirm that is only prepared for my academic requirement, not for any other purpose. It might not be used in the interest of the opposite party of the corporation.

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Finally, as one of the team member, I would like to appreciate all my group member for their support and coordination, I hope we will achieve more in our future endeavors.

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INTRODUCTION: -

A Library Management System is a software application designed to help manage the operations and activities of a library. It provides a centralized platform for librarians to manage the library's resources, including books, periodicals, CDs/DVDs, and other materials. The system allows librarians to track borrowing, returning, and renewals of library materials, generate reports on library activities, and provide online access to library resources.

A typical Library Management System includes a database that stores information about library resources, such as author, title, publication year, ISBN, and location in the library. The system allows librarians to create and manage user accounts for library members, enabling them to borrow and return materials, and view their borrowing history. The system may also offer features such as online catalog searches, reservation of library materials, and alerts for overdue items.

Library Management Systems are used in various settings, such as public libraries, academic institutions, government organizations, and corporate libraries. They are essential tools for librarians in ensuring the efficient and effective management of library resources, and in providing better services to library users.

About this project

1. Login Page:

In this page we have to fields username and password. When we enter incorrect username and password it will show a popup message Incorrect Username or Password. If we enter correct username or password we will move to next page. It having one more button for exit this application.

2. Home Page:

After login this one is first page. In this page we have six button and each button having different functionality.

3. New Student Page:

In this page we have multiple fields to get details of student or we can say add new student in our database and having two buttons first one is used to save details and second one is used close this page.

4. New Book Page:

In this page we have multiple fields to get details of book or we can say add new book in our database and having two buttons first one is used to save details and second one is used close this page.

5. Issue Book Page:

In this page we have to enter student ID and Book ID then we have to set issue date and return date and then we will click on save button if student ID or Book ID does not exist then it will show error message. If our student ID and Book ID is correct then it will save successfully. In this page there is one more button to close this page.

6. Return Book Page:

In this page we have to enter student ID and Book ID then we have to click on search button then it will show issue and return date. After that we have to click on save button to return book successfully. If we enter incorrect student ID and Book ID then it will show error message. In this page there is one more button to close this page.

7. Statistics Page:

In this page we can see details of issue books and return books. And it also have a button to close this application.

Technologies Used:

Java

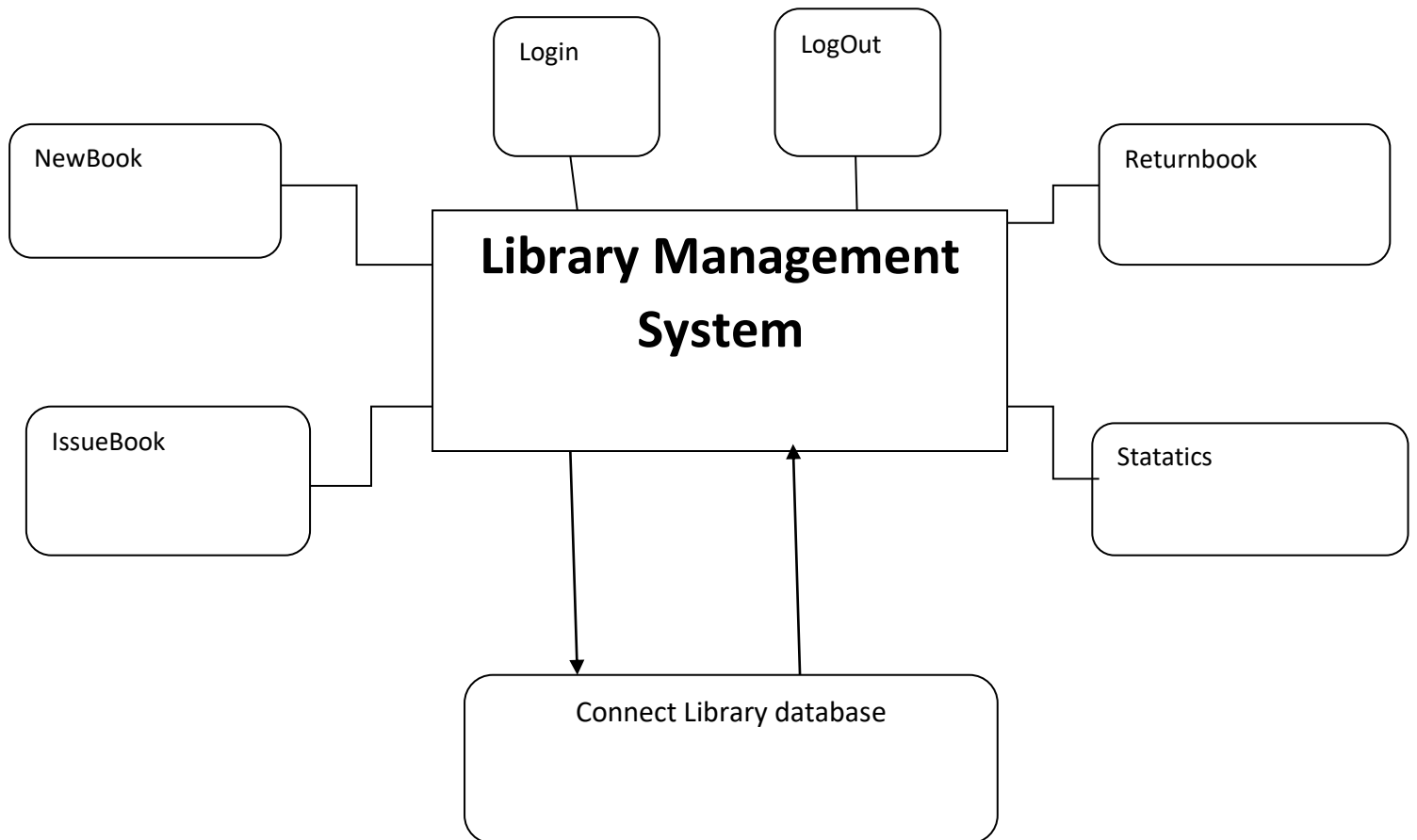
MySQL Database

Software requirement:

Netbeans IDE

XAMPP

DFD DIAGRAM OF LIBRARY MANAGEMNT SYSTEM



CONCLUSION :

The **Library Management System** allows the user to store the book details and the person's details. • This software allows storing the details of all the data related to **library**. • The implementation of the **system** will reduce data entry time and provide readily calculated reports.

References: -

- www.google.com
- www.stackoverflow.com
- www.chatgpt.com
- www.w3schools.com

