

LIBRARY MANAGEMENT SYSTEM

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ABSTRACT

Library management system monitors and controls library books management transaction in library. The project is developed in PHP which concentrates on main operations that takes place in library such as adding and removing staffs, adding and removing students, updating record of issued and returned books etc. the system is easy to use for both beginner and advanced users since it is very easy to operate with easy process for its implementation. Most of its features are familiar and well thought-out along with attractive user interface.

This project will fulfil most of requirements of librarian for record keeping of library books systematically, easily and according to various categories. For student, after getting membership in system, student can login with his/her correct user name & password for borrowing his/her desired books. The library management system is dynamic system so admin can keep record of books and members dynamically which is very easy to operate and can add, remove and update books and also members easily in the system. The staffs also has some specific rights to issued books and returned books, view books and view issued books.

Keywords: finger print sense, eye detection

INTRODUCTION

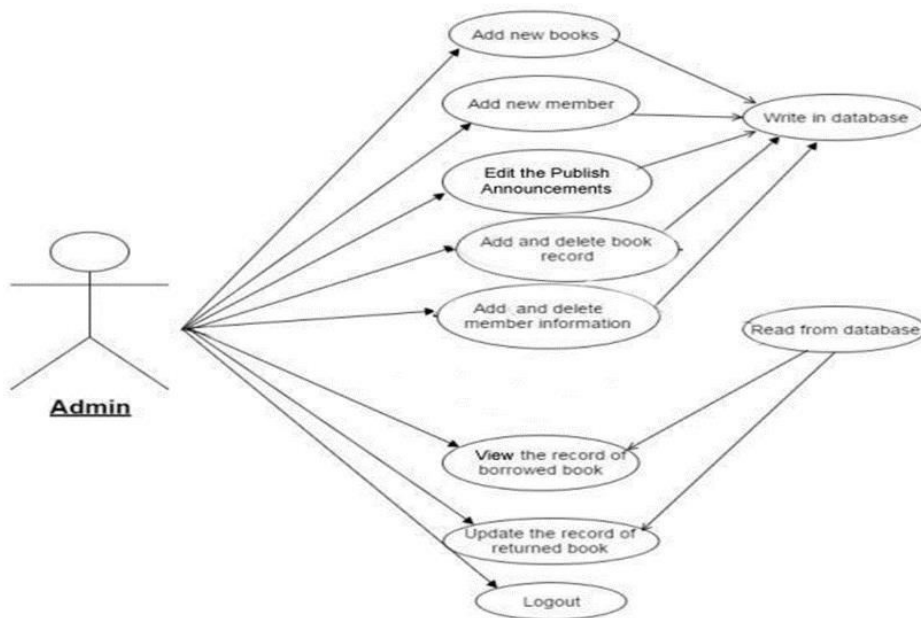
Aim of the project is to develop web application named. The Library Management System aims to maintain the records of transaction of books available in library. It can be used by everyone who is all registered as member in system. It is very easy to use and it fulfils requirement of librarian. In the project used coding in HTML(Hypertext Mark-up Language), CSS (Cascading Style Sheet), Bootstrap, PHP (Hypertext Pre-processor), JavaScript, MySQL. HTML is used to define the elements and contents.

The CSS is used to give the appearance and also provide our webpage is more interactive. Bootstrap is used to modifying the web page based on screen size. PHP and MySQL are used as

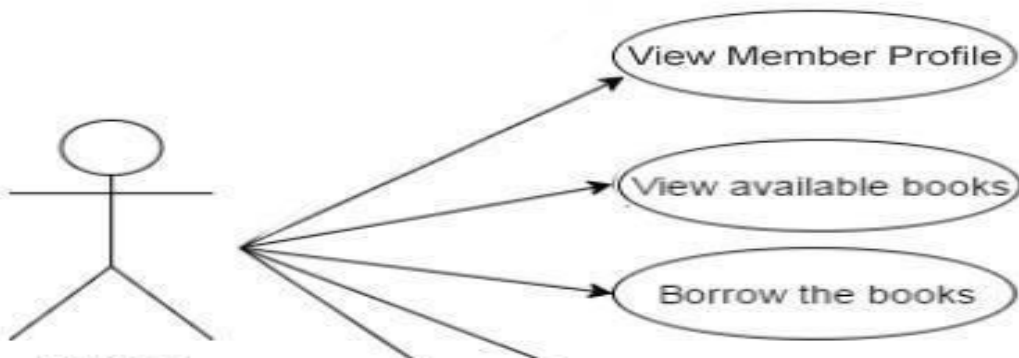
Backend coding. PHP is an important tool for creating website which is easy to use for making dynamic website. MySQL connect the Database with PHP. DB is used to store and retrieve the data. The Admin can only handle the overall process. The admin has User ID and Password which was created by admin controller (admin user). Only the admin can add and remove the books, staffs and students. The Admin to give the unique User ID and password to each and every staffs. The staffs have the rights to give the books to student based on student registration number and they also maintain the records to view and returned books.

MODULE DIAGRAM:

Use case Diagram of Admin:



Use case Diagram of Staffs:



EXISTING SYSTEM

In this process, all the transaction of books are maintained manually, so taking more time for borrowing or returning a book, and also mainting students library transaction. Another major disadvantage is to keep the exact track of book records in library. In this Legacy system, it is very complicate to check the book's availability and also difficult to capture the students and staffs inventory.

PROPOSED SYSTEM

To achieve technical aspects to improve the library process, gaining financial stuffs for library future growth. Handling effortless library operations.

DISADVANTAGES OF EXISTING SYSTEM

Increased security risk for students & staffs, library day to day process is inefficient and unstable. Lot of challenges to compatible with new technologies, there may be a failure of depending a single person such as librarion and the awarness of books to the studensts and staffs.

ADVANTAGES

Students can simply and easily access the library assets using automated softwares, avoiding frustration and tediousness by providing students with access to library resources from anywhere and anytime.

CONCLUSION

Library automation have software to keeps track of all the information about the books and their complete details, and it is contains database where the information will be stored safely & securely.

The transaction will be maintained perfectly, such as ,if the person does not return the books before the due date , the automation system will be added the fine in the respective person's database.

The implementation of the automation system will reduce data entry time and provide readily calculated report.

FUTRURE ENHANCEMENT

Futurest, automated systems provides mobile access to search the library catalog, schedules, books and resources from anywhere, at any given time via smartphones and tablets. Planing to implement thumb and eye site validation to access the library location.

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