Web Based Library Management System

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ABSTRACT

web based library management system has aim to enlarge a digital system. library is simple to access for librarians and users though this method affords electronic documents like newspapers, magazines, books and different helpful files for user that can give accessing rights by registering for the users without any permits and it supports librarians to manage and keep books so as and library data. Magazines, newspapers, books and alternative files that may get access by the user and helps librarians tons to stay track and managing the books of library information. planning a web-based library management system (LMS) this method can get ride of this drawback from the work of physical library. The physical library has ton of boundaries to satisfy user's wants, and most paper copy documents space unit spoiled when a restricted time of utilize. lose work within the library, to disrate the cost of books, and to keep away from problems for missing files, we tend to introduce an internet primarily based library management system. the main objective of our project is to develop a system that can simple to manage the activities in the library which can be a helpful for the users to get approach at their available time. to overthrow the issues of the actual library, we are suggested the web-based library management system for users. The Web-based Library Management System will support to library manager to produce digital information and it is easy to access from anywhere and any place such as home, classroom, labs and any time by connecting the internet data. This is design specifications are JavaScript Programming language, HTML, CSS and Database MYSQL.

INTRODUCTION

A library is a place where a massive collection of books and resources are available. The web-based library management system is moveable and user friendly designed, which may be accessed by users at anyplace. The user will hunt for books from school rooms, labs, home and a few different places wherever the net is on the market. It will give an idea to the librarian on the how many books are available in the library and issued in the library. In the previous periods librarians working on physical form by the paper work to manage books by this method there is a lot loss of data which is mentioned in papers. To overcome those losses this application web-based library management system is designed. These web-based library management can be accessed from anywhere where the internet is available and also this system provides documents in the format of pdf and docs such as magazines, newspaper, story books and study book also. These web-based library management system fully avoids the paper add the library management. within the ancient library management system, the librarian has a lot of paper work to arranging, sorting books in the book shelfs.

By using these web-based library management system the librarian can verify and monitor the borrow book details and is it out of date librarian can fine that book. In these system librarians can monitor all the activitiesin the library such as adding books, removing books, issuing books to people and returning books back to librarian.

OBJECTIVE

library management system is a web application for controlling the different actions in the library and used formanaging the library information. the web based library management system has modules such as Admin and user modules where librarian acts as admin. library management system is controlled by the skilled to manage the library exploitation system wherever librarians will record various transactions like adding of latest Books, adding of latest members, issuing of books, return of books etc.and user module has activities they are browsing books from categories, Requesting books to use, viewing borrowed books, user canview their profile, user can edit profile etc. It helps the librarian to manage and maintains thebooks in library.

DRAWBACKS:

- There is high risk of data miss- management.
- Student face a lot of problems while searching a book.
- Chance of book theft from the library is high.
- A lot of paperwork and manpower is to be assigned for simple library management operations

PROPOSED SYSTEM:

The drawback of the existing system is there is no option to track the required information such as number of books available in the library, number of books returned number of books issued etc., both the admin and user can view profile, edit profile and update profile so that the information is not secure and human efforts are high. Manually maintenance of library management is a difficult task. proposed System is an extension of the computerized system that makes potential to access on the net. This project is build keeping in mind to straightforward the bibliothec job of issue and managing books within the system. Students will see everyone's books or access everyone's books, type the summary of books peruse a book utilizing any parameters. The projected system take away the drawbacks of the present system and it provides security to data

ADVANTAGES:

- Speed retrieval of data.
- Easy to handle, update and keep record.
- Requires less human power.
- It completely removes the paper work.

LITERATURE SURVEY

The title of the paper [1], Library management system acts as an appliance to convert normal libraries into online libraries. In the normal libraries, the student can search for books which is a difficult process, and no proper maintenance of database about issue and returned books, fines borrowed books etc., and also it doesn't generate a fast report. In this library management system, they were added basic features such as librarian can add, view, update, delete books and student details in it. The online library management system will reduce the work burden of the librarian. The main disadvantage in this paper is the user can also access, modify the data in it. In these each student has one unique ID, through that ID, the admin can check the user details like issued books, returned books, fines and book details.

In this paper [2], Online library management system is simple to use. In these the admin can monitor all the activities in the library. This system aims to computerized the functions presented by the librarian and to allow the powerful functionalities to the user by making use of simple easy to easy interface. Online library management is website used to provide information with respect to the books in the library to the user. This online library management system reduces the work burden of the librarian.

SYSTEM REQUIREMENTS:

Software Requirements:
XAMPP Server.

Platform: Windows 7 and above. Programming languages:

Front End: JavaScript, HTML, CSS. Back End: MySQL.

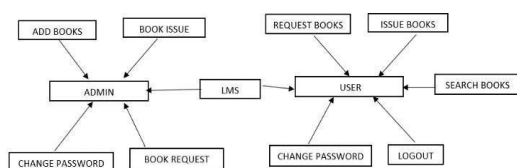**Hardware Requirements:** Processor i3 or above Memory – 14GB RAM HardDisk – 200GB

SYSTEM ARCHITECTURE:

Fig: Architecture

MODULE DESCRIPTION:

The web- b a s e d library management systemproject has the two Module descriptions are

- Admin Module
- User Module

Admin Module:

Admin module has managed and management the method of web-based library management system. Admin has managed the professional activities, he will do the work of add the professional, read the professional details and can also delete it. Admin module having these options' view users, add users, add new book,view issued books, view returned books, viewprofile, edit profile and change password.

User Module:

user login has enrolled the activity of useraccess in library. once the professional personhas registered the user, they'll get their own user's name and word, by use of this user willentered and think about the library data. User module having these options browse books, request books, view borrowed books, viewprofile, edit profile and change password.

CONCLUSION

user login has enrolled the activity of user access in library. once the professional person has registered the user, they'll get their own user's name and word, by use of this user will entered and think about the library data. User module having these options browse books, request books, view borrowed books, view profile, edit profile and change password.

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