Library Management System

Kareena Sahadev Nikalje, Arti Singh,Vikas Solanke

Student, Department of Computer Engineering, M. M. Polytechnic, Pune, Maharashtra, India

ABSTRACT:

Library is place where all kind of books are available. Intranet Library Management system is a web based application. This system contains list of all the books and can be accessed by remote users concurrently from any where in the campus. But for that users must be registered user. This system is three tier architecture. Client sends requests, on receiving the request the server processes it and extracts the data from database and sends the result back to the client. This system provides separate interface and login for librarian, students and faculties. Librarian can modify database. Users can search for books and renewal books online. They can recommend for new books by just sending messages to the librarian from any where in the college. They can view the issue and return dates of any book and due they have to pay. This system generates reports that can be used in analyzing the library performance. Thus the management can take appropriate steps to improve the facilities.

Keywords: Library Management System

Introduction:

Library Management System consists of list of records about the management of the details of the students and the issues going on and also about some books and all. This is a web-based application. The project has three modules namely- User, Registration, Librarian. According to the Modules the Distributor and Sub Distributors can manage and do their activities in easy manner. As the modern organizations are automated and computers are working as per the instructions, it becomes essential for the coordination of human beings, commodity and computers in a modern organization. This information helps the distributors to purchase or sale the products very efficiently. The administrators and all the others can communicate with the system through this project, thus facilitating effective implementation and monitoring of various activities of the distributor of a supermarket.

SYSTEM AND COMPONENTS

Existing System

Various problems of physical system are described below :-

If one is not very careful then there is a possibility of issuing more than one book to a user.

There is a possibility of issuing a book to a user, whose membership is not there. When a user requests for the a book, one has to physically check for the presence of a book in the libraryAnswering management query is a time consuming process. Daily keeping a manual record of changes taking place in the library such as book being issued, book being returned etc can become cumbersome if the Library size is bigger.
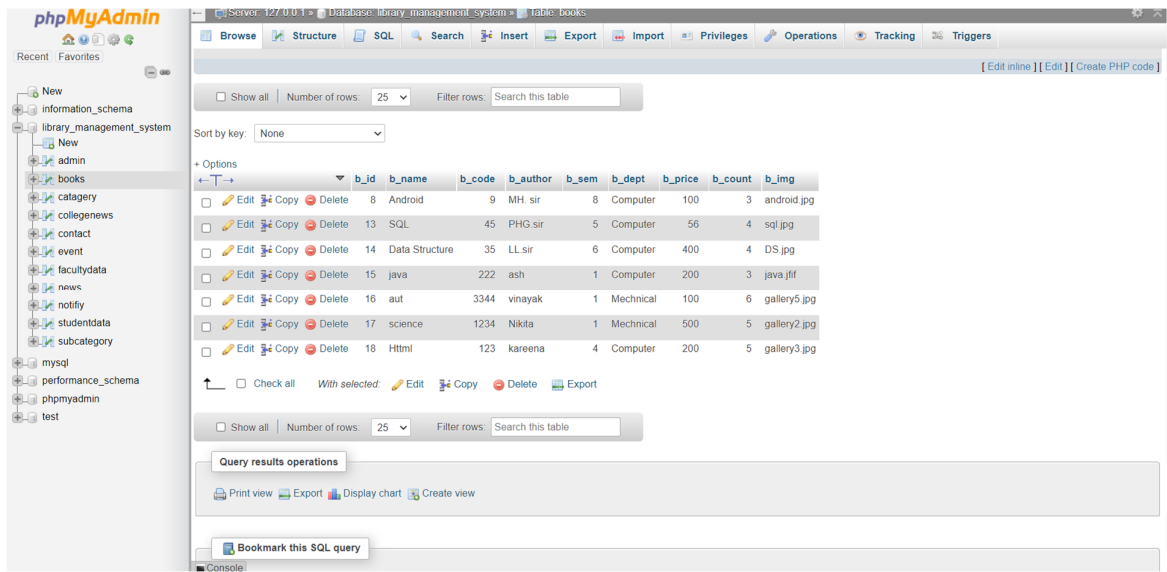
Proposed System

The LIBRARY MANAGEMENT SYSTEM is a software application which avoids more manual hours in taking the book, that need to spend in record keeping and generating reports. Maintaining of user details is complex in manual system in terms of agreements, royalty and activities. This all have to be maintained in ledgers or books. Co-coordinators needs to verify each record for small information also.

- Easy search of book in the online library.
- Avoid the manual work.
- User need not go to the library for Issue any kind of book, he can renewal the book online.
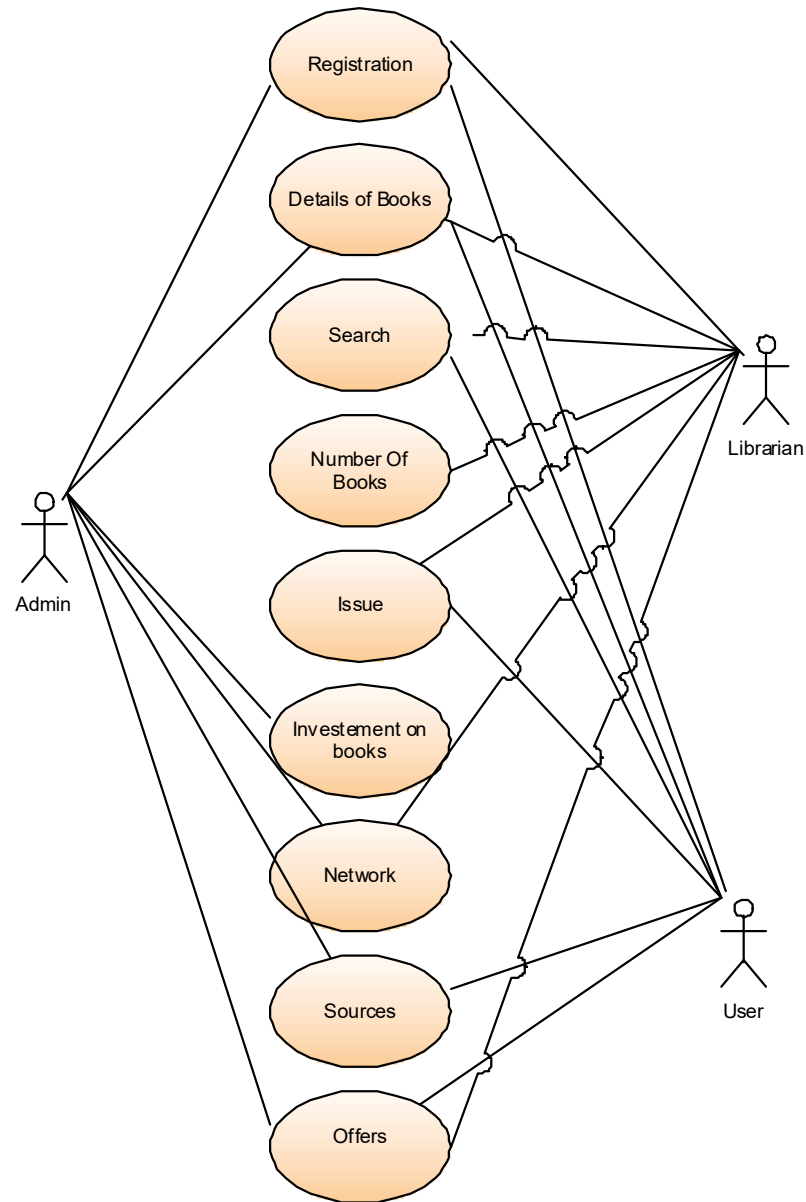
Objective of the System

The goal of the system is to bring down the work load with the increased efficiency and to speed up the activities. With this it is very easy to process course fee that is collected time to time from students who are registered and studying at franchisees.

Definition

Proposed definition   : preparation of request for proposed applications.

Feasibility assessment : evaluation of feasibility and cost benefit of proposed system.

Information requirement analysis : determination of information needed.

Design

Conceptual design   : User-oriented design of application development.

Physical system design : Detailed design of flows and processes in applications processing system and preparation of program specification.

Development

Program development   : coding and testing of computer programs.

Procedure development   : design of procedures and preparation of user instructions.

Installation and operation

Conversion   :   final system test and conversion.

Operation and maintenance :   Month to month operation and maintenance
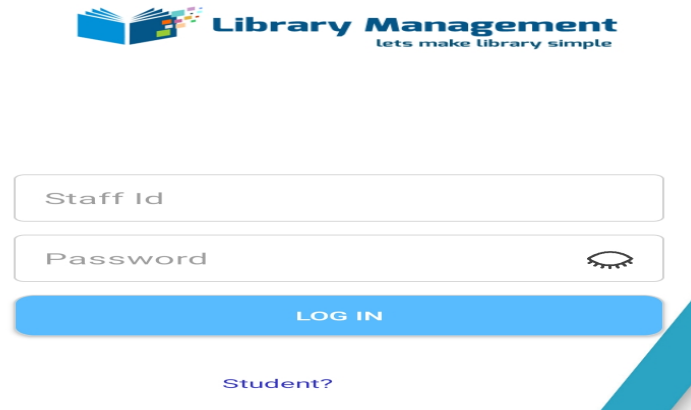
Post audit   :   Evaluation of development process,application system and results of use at the completion of the each phase, formal approval sign-off is required from the users as well as from the manager of the project development.
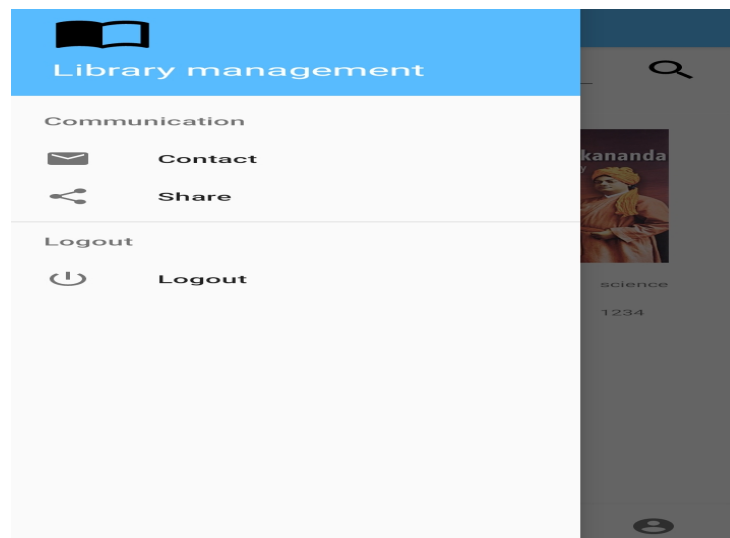

LOGIN

A **login page i**s a web page or an entry page to a website that requires user identification and authentication, regularly performed by entering a username and password combination. Logins may provide access to an entire site or part of a website. Logging in not only provides site access for the user, but also allows the website to track user actions and behavior. Logging off a webpage or site may be manual by the user or they can occur automatically when certain conditions (such as closing the page, turning off the computer, a long time delay, etc.) occur.

LOGOUT

Logout pages are identified to prevent the scan from logging out of the application or website prematurely. Go to the Login Management page of the content scan job. In the Logout Page Detection section, enter a regular expression that identifies pages which might accidentally log the scan out. Click **Save**.

RESULT

Conclusion

The The package was designed in such a way that future modifications can be done easily. The following conclusions can be deduced from the development of the projec

WEBSITES

www.google.com
www.microsoft.com