

E-Library Management System

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Abstract— Internet and Distributed Network System created scope for research in the area of information systems and its related fields. Digital Library, one of the most recent developments in Library and Information Science, helps its user to seek information through a web browser. Digital Library is an organized assortment of information, with its supported services and a place where the information is kept in digital format and can be retrieved over a network. For the last decade, researchers are focusing on the users of Digital Library to develop a more efficient and effective system to provide quality service to users. This paper aims to provide literature on Digital Library for its users that may be helpful for future research. The paper discusses the users-centric approach in the context of Digital Library. Researchers are working on system up-gradation by using wireless technology to connect with end-users directly with libraries. Further, other areas such as user Perception, Attitude, Adoption, and Satisfaction with the digital library are also discussed.

Keywords — Digital Library, Users centric approach, Users satisfaction strategic planning Users perception; Digital library literature.

I. INTRODUCTION

- E-Library Management System is an application that refers to library systems that are generally small or medium in size. It is used by librarians to manage the library using a computerized system where he/she can add new books, videos, and Page sources.
- Books and student maintenance modules are also included in this system which would keep track of the students using the library and also a detailed description of the books a library contains. With this computerized system, there will be no loss of book records or member records which generally happens when a non-computerized system is used.
- All these modules can help librarians to manage the library with more convenience and in a more efficient way as compared to library systems that are not computerized

II. EXISTING METHODOLOGY

Early days Libraries are managed manually. It required a lot of time to record or retrieve the details. The employees who have to record the details must perform their job very carefully. Even a small mistake would create a lot of problems. Security of information is very less. Report generations of all the information are a very tough task. Maintenance of the Library catalog and arrangement of the books in the catalog is a very complex task. In addition to its maintenance of member details, issue dates and return dates, etc. manually is a complex task. All the operations must be performed in a perfect manner for the maintenance of the library without any degradation which may finally result in the failure of the entire system the proposed system

III. IMPLEMENTATION

Proposed Work

To solve the inconveniences mentioned in the existing system, an Online Library is proposed. The proposed system contains the following features:
The students will register online.
Individually each member will have his account through which he can access the information he needs.
Book details like authors, number of copies totally maintained by a library, the presently available number of books, reference books, non-reference books, etc. all this information can be made handy.
An administrator can add, and update the books.
Time-consuming is low, gives accurate results.

IV. DIAGRAM

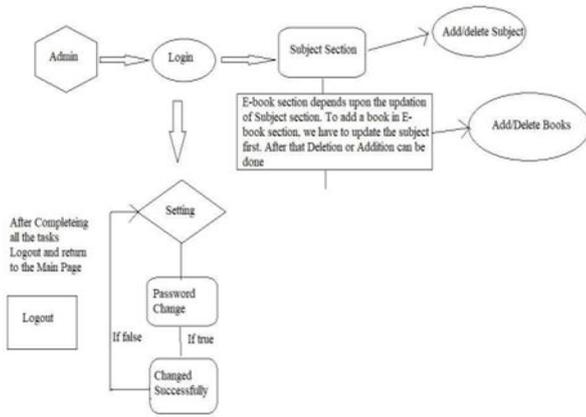


Fig. 1: Dataflow diagram admin login.

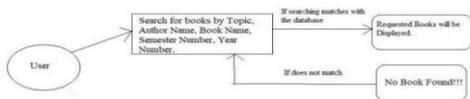


Fig. 2: Dataflow diagram for user login

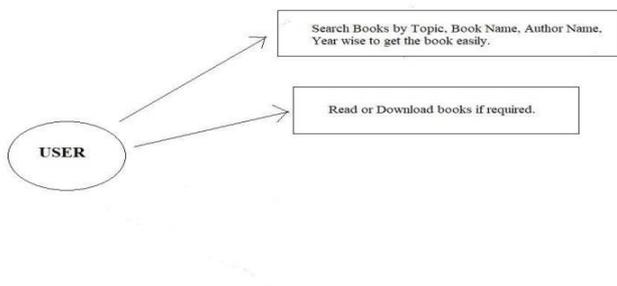


Fig. 3: User case diagram for us

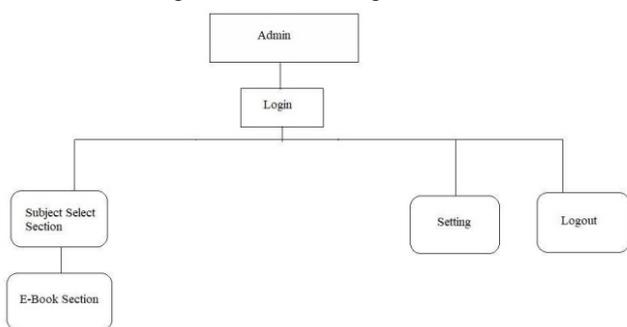


Fig 4. A user case diagram for admin

V. MODULES

5.1 Group Chat

-In this module users can able to communicate with each other via text message.
 -All users can message each other in this app using this module.

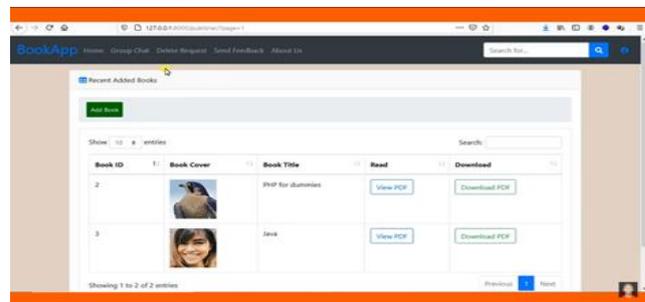


A. Add Book

-In this module users can able to communicate with each other via text message.
 -All users can message each other in this app using this module.

B. Recent Added Book

- book id of the book In this module user can see present in the system.



C. Manage Books

In this module, the user can see the book id of the book present in the system.

The book cover of a book is uploaded to the system.
 book title of the book in the system.

D. Delete Request

- In this module users can see the request from different types of users who want to delete the book from the system.

E. Manage Users

- In this module Different types of users can be shown like Librarian, Publisher, Admin.

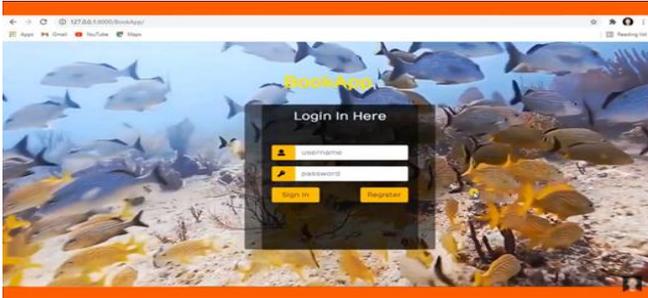
F. Logout

-This module is used just for exit from the app.

G. Register

-This module is used to register the user as a publisher in the system

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V. CONCLUSION

This website provides a computerized version of the library management system which will benefit the students as well as the staff of the library.

login and can see the status of books issued as well request for a book or give some suggestions. It has a facility of teacher's login where teachers can add lecture notes and also give necessary suggestions to the library and also add info about workshops or events happening in our college or nearby college on the online notice board.

VI. REFERENCES

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