LIBRARY MANAGEMENT SYSTEM

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ABSTRACT

The Library Management System is an application for assisting a librarian in managing a book library in a college. The system would provide basic set of features to add/update members, add/update books, and manage all the records, such as book taken, return and renewal.

Library Management System project is developed by VB.NET and SQL Server. The Project is based on the concept of managing books in the library. This Library Management System helps to keep the records of whole transactions of the books available in the library. A user can manage all the records, such as book taken, return books, renewal etc. Student can access the books in library through the Login Form.

The Library Management System has to provide the code of the books, title and publisher name are stored in the database. Finally the reports of book taken return books reminder alert message.

INTRODUCTION

Computers have become an essential part of organizational information processing because of the power of technology and the volume of data to be processed. Through the technology, the manual process, defects and time consumption can be reduced. That's in all the area of business, computer technology are widely been implemented. Hence the inception of computers had a great role in reducing large tasks to simpler one.

Thus, the daily manual process of the "Libraries" like Book entry details, Students and Staffs entry details, Book purchase entry details, Book transaction, and Fine Days Details etc. had been implemented which can be followed through the computer technology i.e., "Library Management" The proposed system is a computerized one, to reduce the time for manual work. In the proposed system there will be a lot of improvement in the quality, speed and efficiency. Since itis user friendly any one can operate individually will send the mail alert to the customer about returning date.

LITERATURE REVIEW

Karen Foss, Library Director of the Catawba County Library System in Newton, North Carolina has expressed that it is difficult to find materials to help new public library managers cultivate their professional development. Most of the research and writings on library management have focused on academic libraries and only recently has there been more interest in the administration of public libraries. The skill and style of public library managers – the directors, branch managers, and department and service managers who are leading these institutions – strongly affects the culture of a public library. Library staff looks to these managers to help them navigate through the rapid changes that are occurring in public libraries as these changes in technology, roles, and user expectations strongly alter their daily routines of public service.

Contemporary library managers need a wider array of skills and attributes than their earlier and more traditional counterparts and will need to seek continual professional development to remain effective as public libraries transition into the 20th century

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METHODOLOGY

- MEMBER DETAILS
- BOOK ENTRY
- ISSUE DETAILS
- RETURN DETAILS
- AVAILABILITY
- MAIL ALERT

MEMBER DETAILS

This module contains the staff and student can register their details. The Admin will maintain the staff and student details. It includes like staff id, name, designation, department, address, contact no, No of books and name of the books.

In student registration includes like student registration number, student name, year of passing , department , address, no of booking having , name of the books , fine pending details.

BOOK ENTRY

In this module contains the Book id, Title, author name, co-author name, publisher, year of publish, edition, price, No of Books available etc.

ISSUE DETAILS

In this module includes like member login, member id, member name, book id, book name, returning date etc.
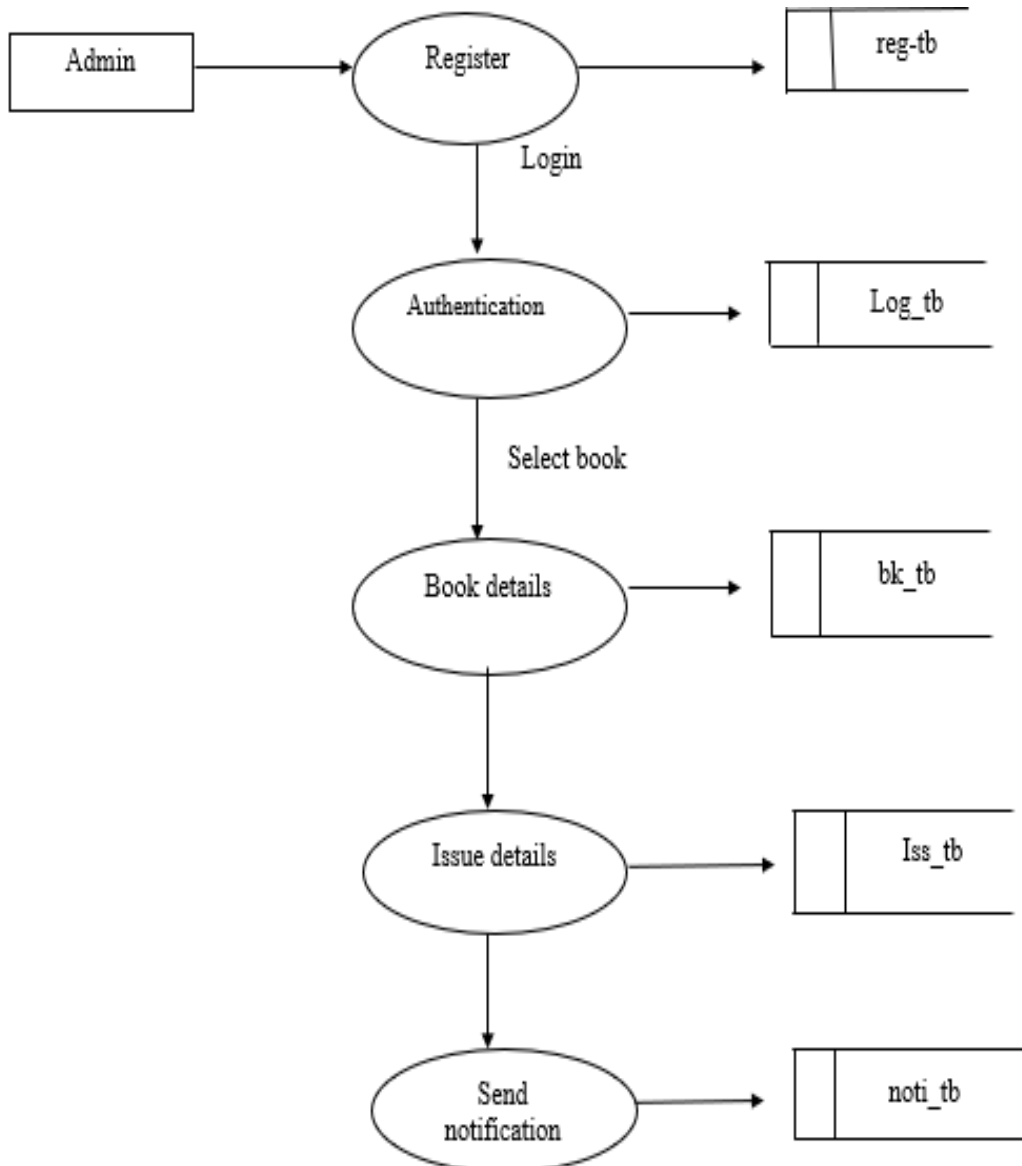
RETURN DETAILS

This module contains like member login, member id, member name, book id, book name, returning date, extra days, fine amount per day, fine amount etc.
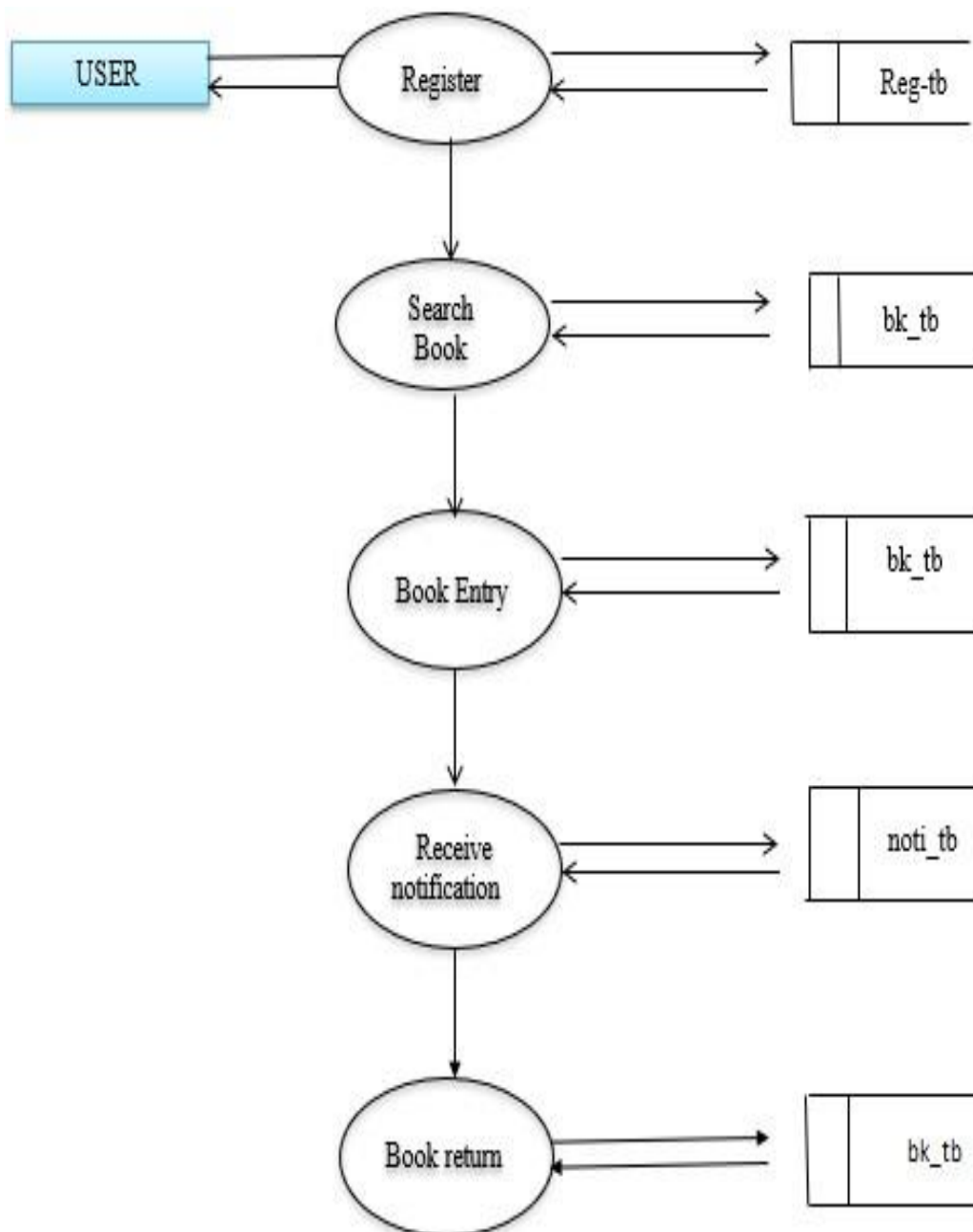
AVAILABILITY

This module is used to check the available book resource by entering the book name.

ADMIN LEVEL

MAIL ALERT

Mail alert will send to the customer about the returning date

STUDENT LEVEL

FUTURE ENHANCEMENT

The library management has been developed to satisfy all proposed requirements. The process used to send the social complaint to the government officer and this project more simple and easy. The system highly scalable and user friendly. Almost all the system objectives have been met.. The system and iteliminates the human errors to zero level.. The design of the database is flexible ensuring that the system can be implemented. It is implemented and gone through all validation.

All phases of development were conceived using methodologies. User with little training can get the required report.. The software executes successfully by fulfilling the objectives of the project. Further extension to this system can be made required with minor modifications.

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.

Furthermore, adding one feature meant that another required feature was now possible, and balancing completing these required features with the ideas for improvement as well as remembering everything that had to be done And user receive the remainder alter message.

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