"LIBRARY MANAGEMENT SYSTEM"

SUBMITTED BY

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ABSTRACT

This is a simple project where the system maintains the inventory of books in a library. If a customer issues a book, the book's count will decrease; if a book is returned, the same is updated. Notice the use of pointers. You can modify the code to add a book ID and make the search based on book ID or make the search using just one parameter giving multiple results. Library Management System is the web application to automate all kinds of operations in the library. The purpose of this software is to manage the books in the library.

At the start of the business, the books store owner buys the book from the dealers. All the name of the books is noted down in the software. In the present system user has to do all work manually. In present system During issuing order of more stock, the product register is required to check to availability of stock in hand. And it takes time to check records.

GOALS OF THE PROJECT

❖ This software is efficient in maintaining customer's details & can easily perform operations on customer's records.
❖ This software also reduces the work and track the whereabouts of the books & keep the records of the number of books.
❖ It will eliminate the delays, where people stand for a long time in queues to get their desired book.
❖ It will also provide assurance that we have a proper record of the books so that we can limit our books stock according to that.
❖ Overall, it will reduce the cost and time of the keeper who will take care of the shop.

TOPICS USED

- ❖ Object-Oriented Programming
- ❖ Linked List
- ❖ If…. Else Statements.
- ❖ For and While Loop.
- ❖ Switch Case Statements
- ❖ Concept of Arrays.
- ❖ Concept of Strings.
- ❖ Concept of Functions.
- ❖ Structures.
- ❖ Pointers.
- ❖ Inheritance
- ❖ Polymorphism
- ❖ Encapsulation
- ❖ Templates Function

DESIGN OF THE PROJECT

Our Project, "Library Management System" aims to overcome the cumbersome problem of library and take the huge leap from a manual system to a computerized system.

The Library Management System aims to serve the customers' queries, ranging from whether a book is available or not. The user can access the book either by using the book title or by using the name of the author. The objective and scope of our Project Library Management System is to record the details & the various activities of the user. It simplifies the task and reduces the paperwork. Library Management System works to generate sales statistics (book name, publisher name and number of copies) for any period.

If a customer requests for a book and the book is not currently available in the library, then the customer is asked to enter the full details of the book for procurement of the book. If the requested book is in stock, the exact number of copies available and the rack number in which the book is located, should be displayed. If a book is not in stock, the query for the book is used to

increment a request field for the book. In purposed system, as soon as the customer selects his book, the clerk would enter the details of the book. Book store management system will thereby update the stock.