

# LIBRARY MANAGEMENT SYSTEM

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## **PROBLEM DEFINITION AND SCOPE**

### **INTRODUCTION**

Due to the many problems facing with the current system by the public, We made a completely new library management system that can produce computerized system for managing the activities of the library system. It is totally secured system that can be accessed only by the verified user putting the user name and password procedure.

To mitigate the issues of conventional and manual method of reservation and distribution of books to readers from library, the computerized Library Management System has been created. The Library Management System is a computerized system for assisting both the public and librarian/staff in borrowing and supervising the books. The system would provide fundamental set of features for adding and/or updating members, adding and/or updating books, getting the list of books, reserving and borrowing books. Its development includes the formation and maintenance of back-end database with NoSQL and front-end application development aspects with JAVA.

### **EXISTING SYSTEM**

In the available computerized Library Management System, librarian maintains the details of each book on the registers so to find out the number of books available in the library they need to go to check the entire entry which makes the process slow. While they need to spend an extra hour to maintain the records of books. For a user who wants to know about a book in the library need to search the entire book section. The student needs to check the status of the book means the last date of book, how many books has issued.

### **PROPOSED SYSTEM**

The proposed computerized Library Management System project will help the user and librarian to maintain the details of the library. It will assist the librarian before the shortage of books while they can know the details of the number of currently available in the library according to the

author by accessing the system. system for assisting both the public and librarian/staff in borrowing and supervising the books. The system would provide fundamental set of features for adding and/or updating members, adding and/or updating books, getting the list of books, reserving and borrowing books.

### **SCOPE OF THE PROJECT**

- This Project will keep track of all the books and library information.
- The software will be able to handle all the necessary information
- To make the existing system more efficient.
- To provide a user-friendly environment where user can be serviced better.
- Make functioning of library faster.