**Documentation for library management system.**

The library management system program is designed using C++language. It contains classes like book, user and library. Under the book class is where functions like add a book, remove a book, modify a book, search for a book and also view all books are applicable using different criteria like entering the book number(bkn), the name of the author, the title of the book, the edition of the book, the year of publication to distinguish different books and make it easy to operate with the system.

Steps:

The program prompts the user to input a choice which is interested in.

Once the choice is made the program allows one to continue interacting with the system.

The system counts the number of books added, the number of books removed, and also makes changes when a book is modified.

The system is only allowed to hold 10 books at a give time hence only 10 books can be stored in the system.

In class user the system prompts the user to enter the name and request the user for registration to become a member. If the user is already a member then the user can be allowed to borrow a book from the library. The system allows the user to borrow the book for a maximum of 6 days. If the user returns a book after 6 days then the system will pose a charge for user. The program also records when the user returns the book and also if the book is in a good condition. If the book is not in good condition the user will have to pay a new book.