LIBRARY MANAGEMENT SYSTEM

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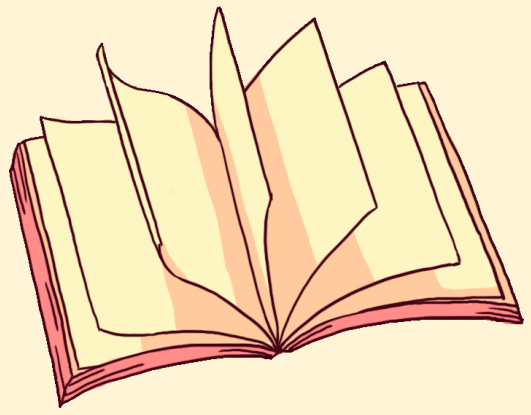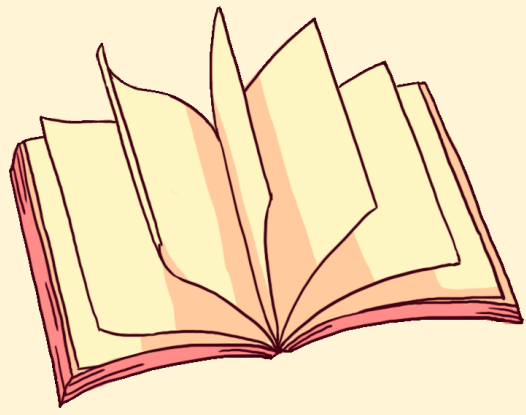Anirudh N S-PES2UG21EC015

HEADER FILES

- Stdio.h - standard input output functions containing header file
- Conio.h - Console Input output header file; jhas functions like getch()
- Stdlib.h- Standard library header file, has functions like exit(), abort()
- Ctype.h - has functions like toupper(), tolower()
- Time.h- Contains definitions of functions to get time
- Dos.h- Used for handling interrupts and date related functions
- Windows.h-Contains declarations for all functions in windows application; has the function sleep used in here
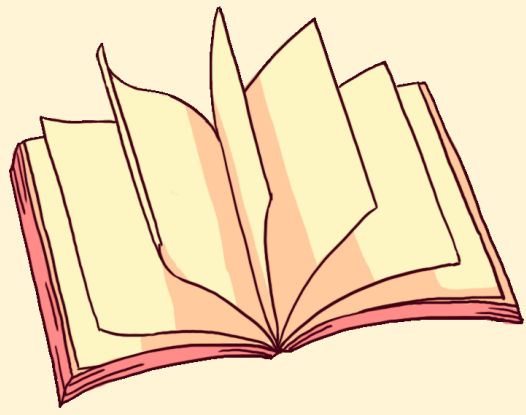- String.h

OPERATIONS USED

- File handling
- String operations
- Functions
- User defined functions (structure)
- Conditional Statements
- Loops

WINDOWS.H

1. Gotoxy() is an operation used to specify the position; the arguments taken are row & column is the argument it is present in the windows.h header file Set Cursor Console Position is the predefined function called to access gotoxy which takes the argument GetStdHandle(STD_OUTPUT_HANDLE), coord)

2. Sleep () function takes the argument in milliseconds.

WORKING

1. The library management system application can be accessed on entering the password
2. On entering the correct password, the main menu page is opened wherein
   a. Add books
   b. Delete books
   c. Search Books
   d. Issue books
   e. View Books list
   f. Edit the record

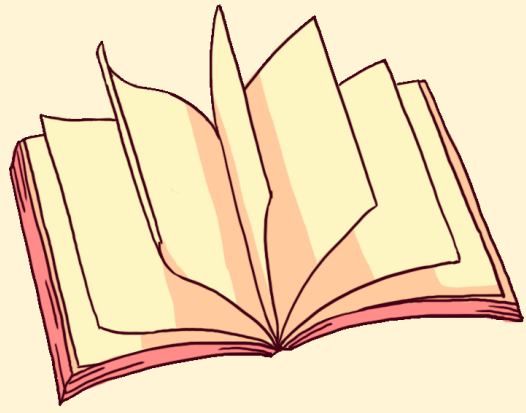   options are found

WORKING

3. Furthur the books are categorized into 6 categories i.e
   a. Computers
   b. Electronics
   c. Electrical
   d. Civil
   e. Mechanical
   f. Architecture

where they can be accessed for further

WORKING

4. For adding new books the following information is to be entered
   a. Book ID
   b. Book Name
   c. Author Name
   d. Price
   e. Quantity
   f. Rack number

5. For deleting the books the book ID is to be entered

6. The books in the system can be searched in three ways, by name ,by book id or by the author name

WORKING

8. Issue books has 4 options
   a. Issue a book
   b. View Issued Book
   c. Search Issued Book
   d. Remove Issued Book
9. View Books List is the option wherein the books added, the author and other information regrading the book is displayed
10. Edit book's record gives access to the user to change the details of the book i.e. book name, author, quantity and other details. The book's record can be edited on giving the book id as input

Thank you

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