Documentation

Description

Library Management System is an online application which refers to library systems which are generally small or medium in size.

It is used by librarian to manage the library record various transactions like issue of books, return of books, addition of new books etc. This System is developed in Python. The users who are also member of the library can search an item. If they find the item and the item is available, they can request for the issuance. The item is issued for 15 days.

System requirement to run Library Management Project

1. Operating System = Linux- Ubuntu 16.04 to 17.10, or Windows 7 to 11, Mac OS X 10.11 or higher, 64 bits.
2. Ram = 2GB RAM (4GB preferable**).**
3. Processor = i3 2nd generation is sufficient.
4. Disk Space = 5GB of free disk space before the installation.
5. Python Version = 2.7 to 3.9.

Project Details

Library Management System:

- At first to access I.C.S.S library you have to give your student username and student id

```
C:\Windows\py.exe
Enter Your Student Username :Mehedi
Enter Your Student Id :1234_
```

- If you make any mistake while entering

student id you will get more 4 chance.

- After Entering Correct Student Id, you will be directed to I.C.S.S Main Library Menu.

```
Enter Your Student Username :Mehedi
Enter Your Student Id : 1234
**************************************************
|**||     ********Main Menu*********        ||**|
|**||     Welcome To I.C.S.S Library         ||**|
|**||     Type '1' For All Book's List       ||**|
|**||     Type '2' For Issued a Book         ||**|
|**||     Type '3' For Return/Add The Book||**|
|**||     Type '4' For Add a New Book        ||**|
|**||     Type '5' For Exit                  ||**|
**************************************************
Enter Your Choice :_
```

- If you type 1 all books will be displayed on the screen.

```
Enter Your Choice :1
These Books Are Present in I.C.S.S Library :
* Algorithm
* Data Structure
* Python
* Machine Learning
* Deep Learning
* Django
* Html
* Css
* Javascript
```

- If you type 2 this Program will asked to you enter the book name that you want to issue. If your determine book exist in I.C.S.S library then it will be issued to you for 15 days.

```
Enter Your Choice :2
Enter the name of the book you want to borrow:Python
You have been issued Python Book. Please keep it safe and return it within
 15 days.
```

•Again, if you type 1 Python book will be disappeared from I.C.S.S Library. As you can see below:

```
Enter Your Choice :1
These Books Are Present in I.C.S.S Library :
* Algorithm
* Data Structure
* Machine Learning
* Deep Learning
* Django
* Html
* Css
* Javascript
*************************************
```

- If anyone wants to issue a book that has been already issued by someone else. Then this message

```
*****************************************
Enter Your Choice :2
Enter the name of the book you want to borrow:Python
Sorry, Either this book is not available or has been issued by someone else. Please wait untill the book is return.
```

will be shown on the screen. Sorry, either this book is not available or has been issued by someone else. Please wait until the book is return.

- If You want to add/return book type 3 then Program will be asked to you enter the book name that you want to add/return.

```
Enter Your Choice :3
Enter the name of the book you want to return:Artificial Intelligence
Thanks for returning/Adding this book! Hope you have enjoyed it !
*****************************************
```

```
Enter Your Choice :1
These Books Are Present in I.C.S.S Library :
* Algorithm
* Data Structure
* Python
* Machine Learning
* Deep Learning
* Django
* Html
* Css
* Javascript
* Artificial Intelligence
*******************************************
```

- If you want to save your adding book inside txt file then type 4:

```
Enter Your Choice :4
Enter The Books Name : Messi The Wonderman
New Books List
* Python
* P.C Das
* Algebra
* File Handling
* Head First Java
* Messi The Wonderman
```

Books_List - Notepad
File Edit Format View Help

New Books List
* Python
* P.C Das
* Algebra
* File Handling
* Head First Java
* Messi The Wonderman

- If you type 5 program will be stop.