

LIBRARY MANAGEMENT SYSTEM

we will build a GUI-based Library Management System project using the Tkinter library, SQLite3 API, and messagebox modules of Tkinter

LIBRARY MANAGEMENT SYSTEM (LMS), THIS project helps to figure out such issue, as It is used to manage information relating to books, their names, codes, author names, whether they have been issued or not and if so, who has issued them and what their card's ID is; a library management system is used to store and manage all this information.

TOOLS AND TECHNOLOGY USED

- To build this project, we will need the following Python libraries:
- Tkinter – To create the GUI
- a. messagebox – To display boxes showing information or error or asking yes or no.
- b. Ttk.Treeview – To display all the information in the GUI window.
- c. Simpledialog – To use pre-defined simple dialog boxes provided by Tkinter.
- 2. SQLite – To connect to the database and perform operations in it

Library Management System Project Output

PythonGeeks Library Management System

LIBRARY MANAGEMENT SYSTEM

Book Name

Book ID

Author Name

Status of the Book

Issuer's Card ID

Add new record

Delete record View record Delete All Records Clear fields

INFORMATION ABOUT ALL THE BOOKS

Book Name	Book ID	Author	Status of the Book	Card ID of the Issuer
HP1	0001	JK Rowling	Available	
Harry Potter 2	0002	JK Rowling	Available	
Percy Jackson and the Olympians	0103	Rick Riordan	Issued	PG-10981
Think Python	1098	Allen B. Downey	Available	
Famous Five 1	4567	Enid Blyton	Issued	PG-1290
Python GUI Programming	8653	Allen D Moore	Available	

CONCLUSION

Conclusion of the project is that project is solely for education purposes.
We have successfully created python System management System.

Which can manage the all process of the library in the real-time.
We used popular libraries such as tkinter and SQLite. We learned how to
creat a GUI, Create buttons and call the function when the button were
pressed.

We also learned how to connect the Database in python