SRM INSTITUTE OF SCIENCE AND TECHNOLOGY

SCHOOL OF COMPUTING

DEPARTMENT OF DATASCIENCE AND BUSINESS SYSTEMS

18CSC303J Database management Systems

MINI PROJECT REPORT

Title – Library management system

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Library-Management-System

GUI project of Library Management System in Python using Tkinter and SQLite

Functionalities

- add books
- delete/update books
- search books
- issue book
- return book
- student activity

Installing dependencies and packages

Install the following packages in cmd before use if your system doesn't have them or are corrupted.

- *pip install python-tk*
- *pip install pillow*

Techs used

- ✓ Python
- ✓ SQLite3
- ✓ Tkinter

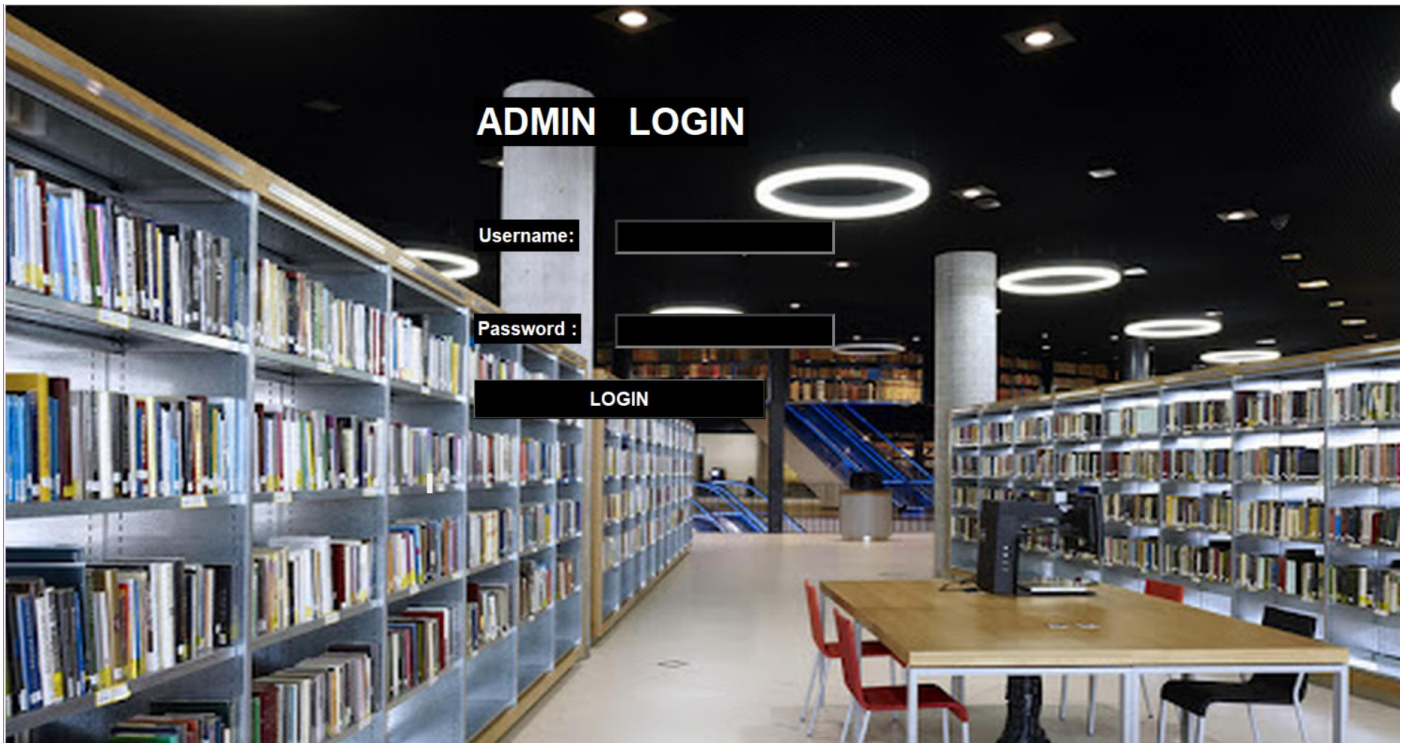
Steps to use

- open the lms.py file in your favourite code editor.
- Go to line number 464
- fill the values as per your need in : VALUES('Your Name', 'password')
- Save the changes.
- run the lms.py file as python

Screen shots

Screenshot of final project where every component is shown

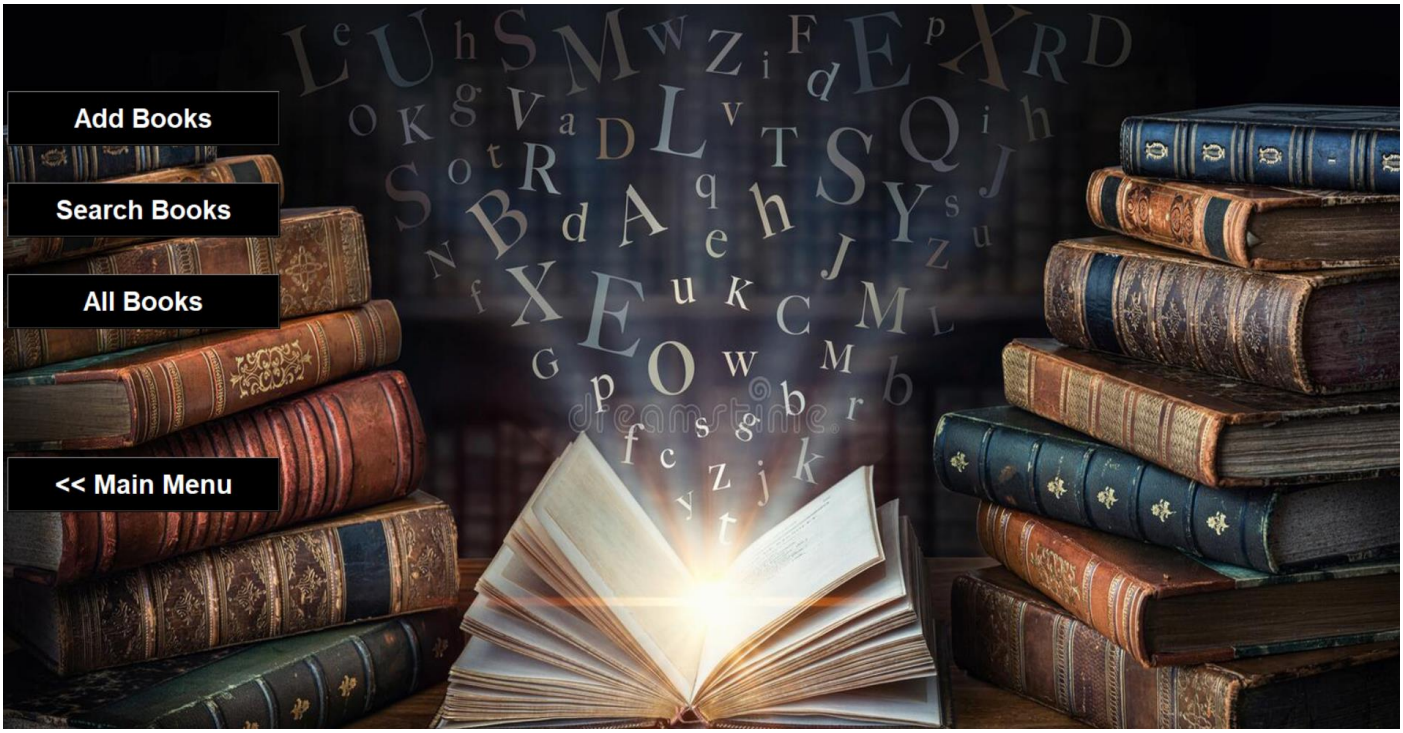
- Login Screen



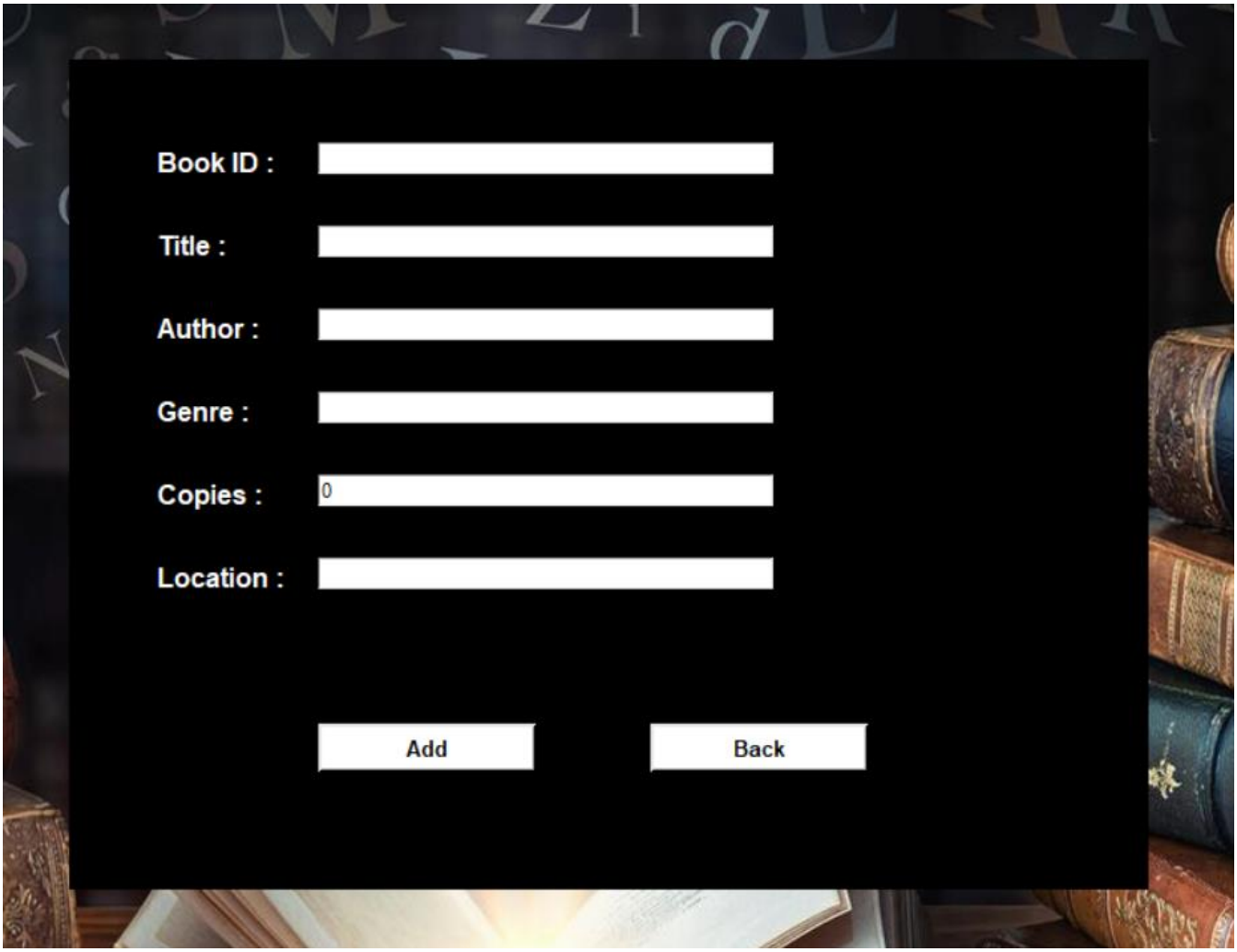
- **Home Screen**

❖ Book addition Section

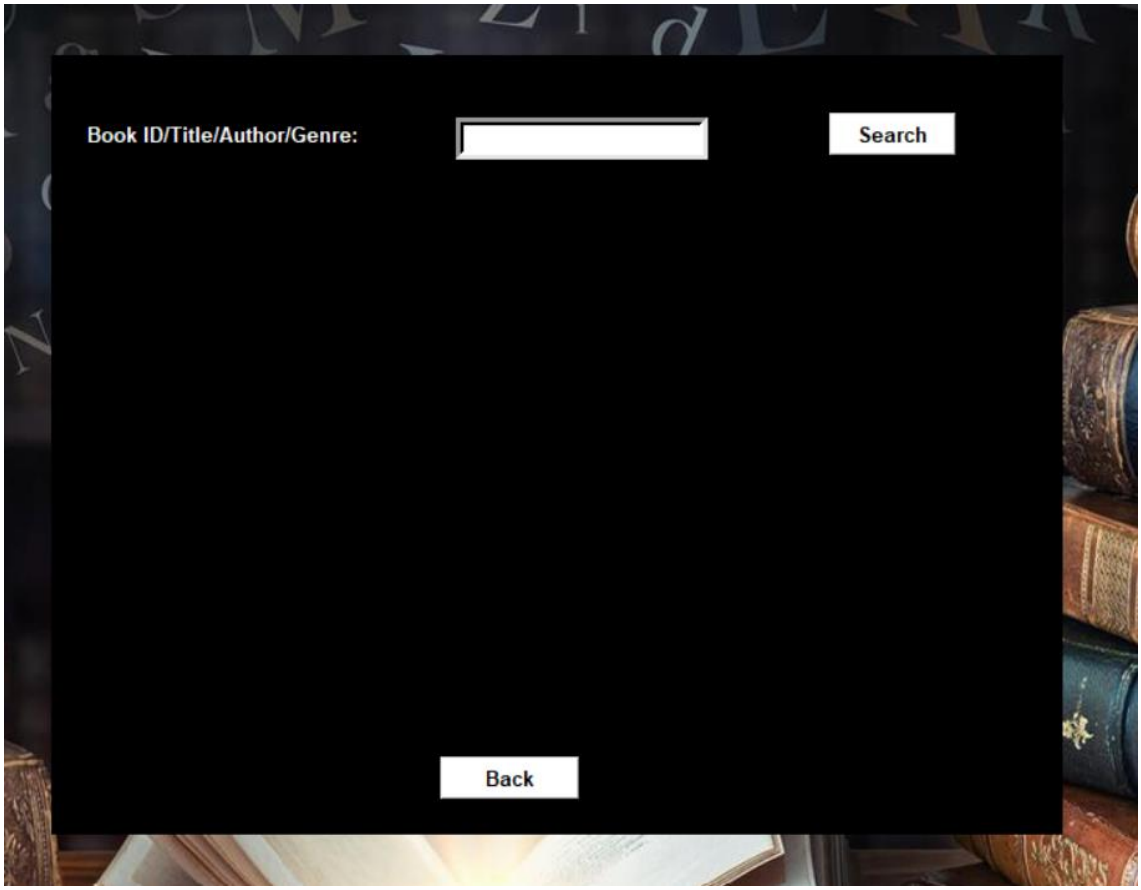
- **Home screen**



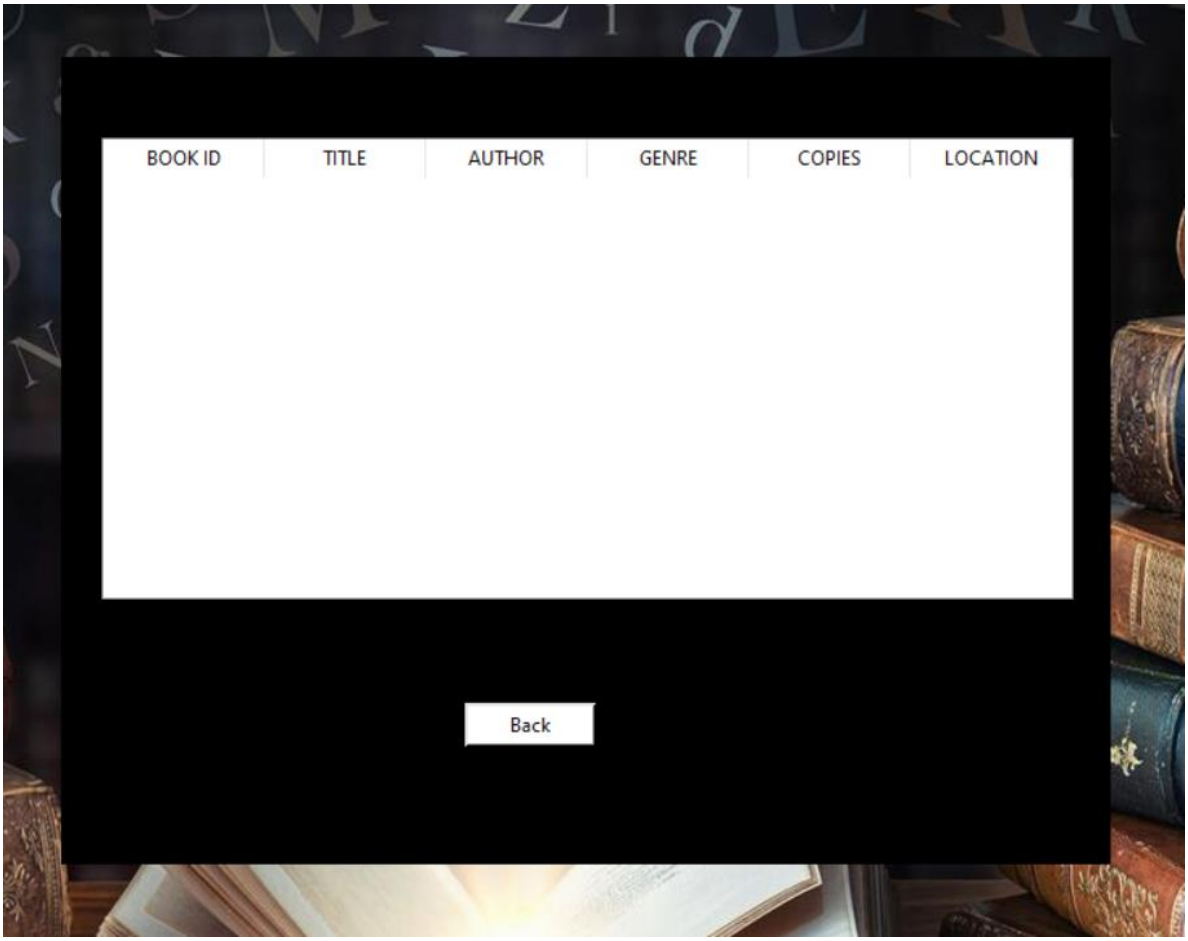
- **New book data Addition**



- **Search book**

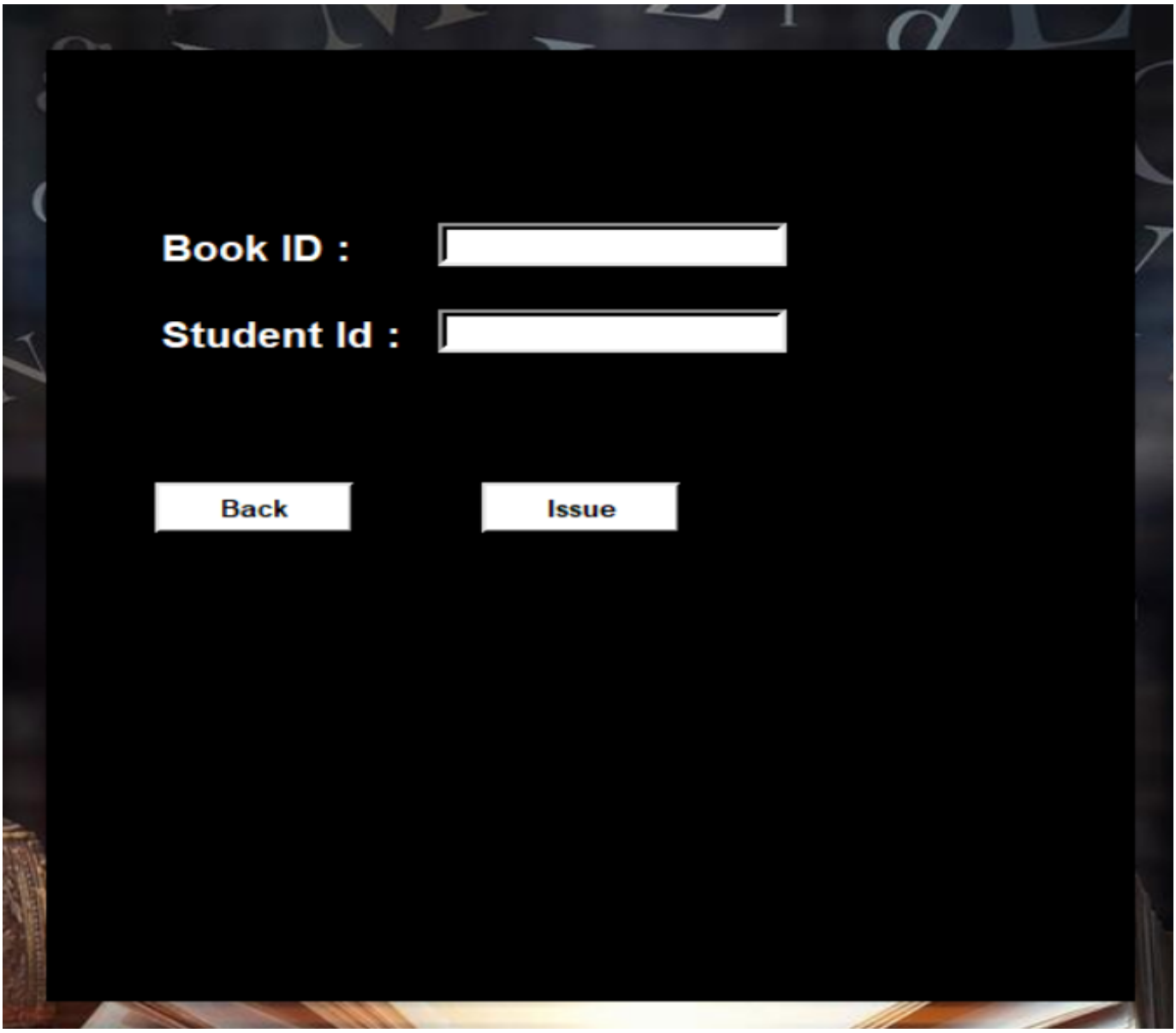


- **Display book Data**



❖ Student Data

- **Issue page**

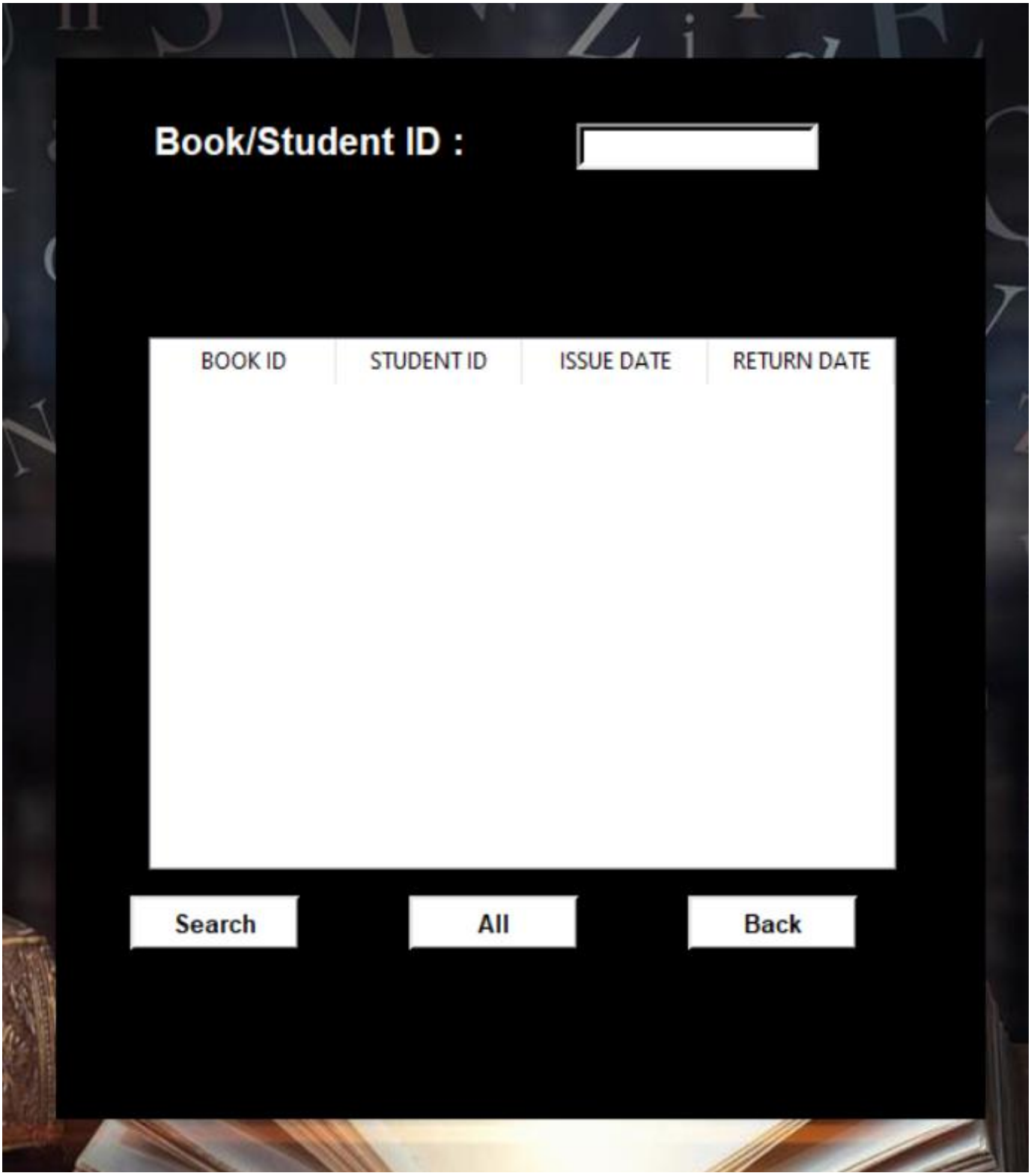


Issue page is important on user part as the system issues this to the student and adds the book and student details into the database.

Once a book is issued the no of copies decreases automatically and also if a book is out of copies the system is obliged to give error message.

Note that the book ID is important at the time of issue as that is the key, we are using to find the book in the book data.

- **Past issue data of Student**



GitHub link for project

https://github.com/Avi-2362/DBMS-MINI-Project