

COLLEGE LIBRARY PANEL

(A brief overview of the whole project)

This project deals with the GUI representation of fully functional library panel ,hence a prototype of a software application that could be deployed in schools and colleges.

There are two types of users considered:

- 1) Admin/Employee
- 2) Student

Functions included :

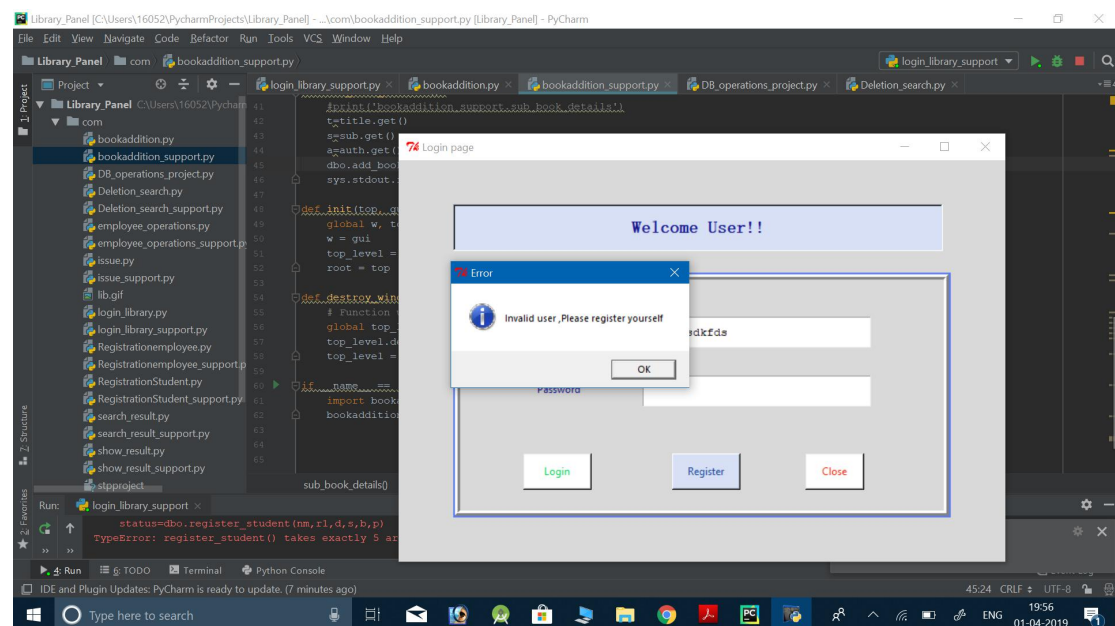
- Login (Verification and validation)
 - a) User Login
 - b) Admin/employee Login
- Registration
 - a) New user
 - b) New Employee
- Employee Operations
 - a) Addition of Book (Title,Author,genre)
 - b) Deletion of Books according to Book Id
 - c) Search
 - d) Display of the Book List as and when needed
 - e) Issue Book (If book already issued , Non availability of books or any error then displays an apt message)

Almost all the security issues regarding form filling and password checks have been considered while coding.

Tools And Technologies used:

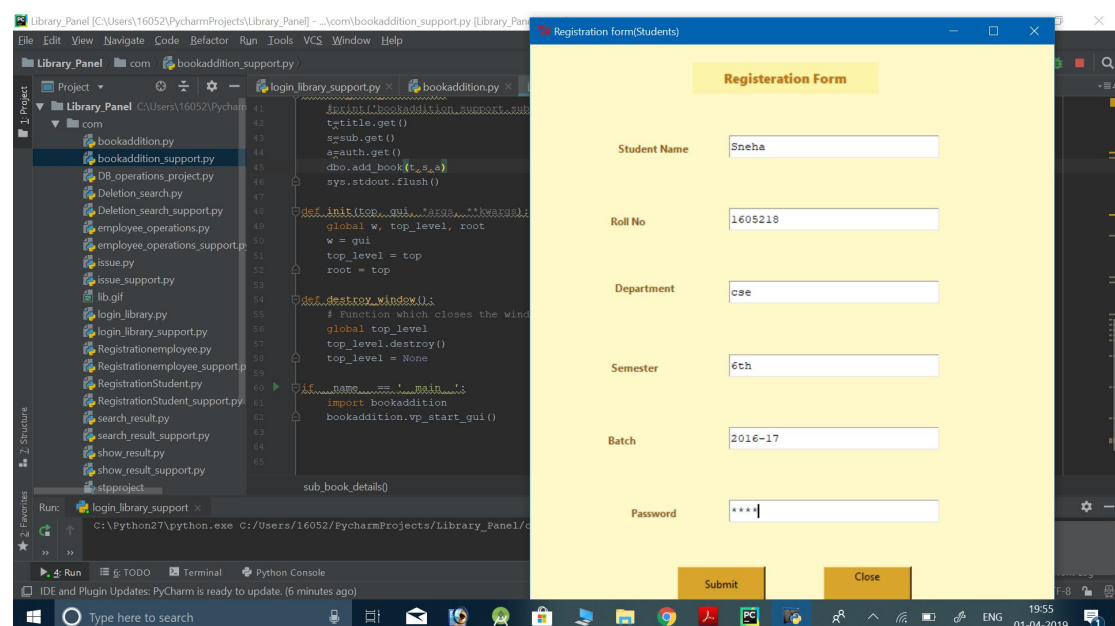
- **Language:** Python 2.7
- **IDE:** Pycharm (Professional Edition 2017)
- **GUI -** TKinter(Python Library), PAGE (version 4.3) and ActiveTcl-8.6.7.0
- **Database -** Sqlite3 , DB Browser for Sqlite

Login Page

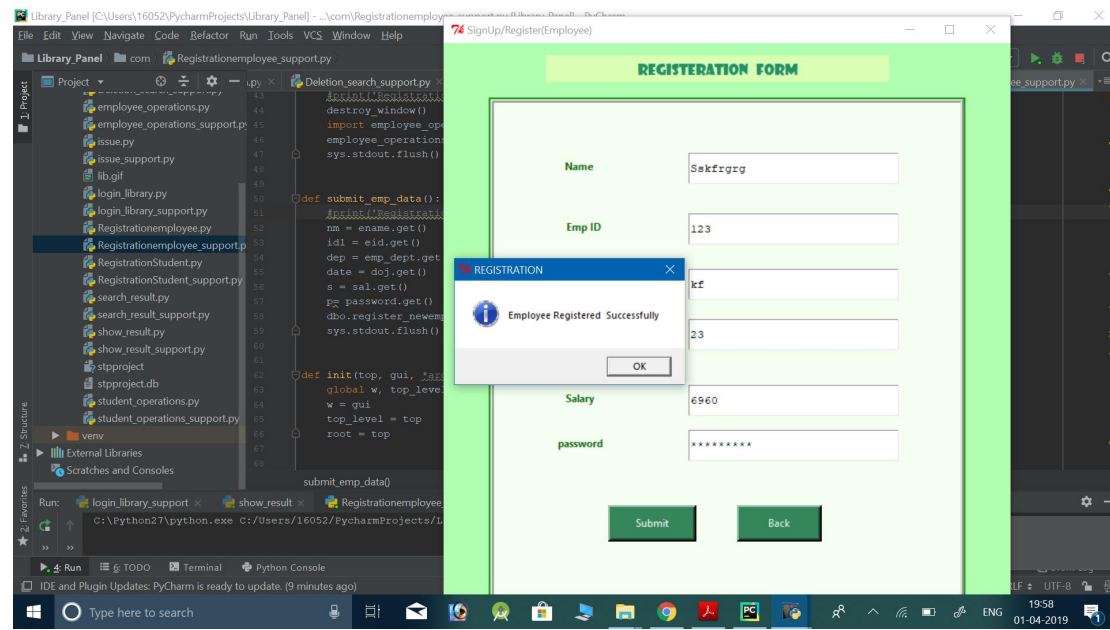


- User Id and Password is required if The user id is of employee then Employee operations window would appear else if the Student id is provided then student operations page would open.
- If a wrong user id is given ,an error will be displayed showing no such id is registered hence registration has to be done.
- The register button takes to a page which asks whether you want to register as a student or an employee
- After Successfully registered ,respective operations window would be accessible only after login.

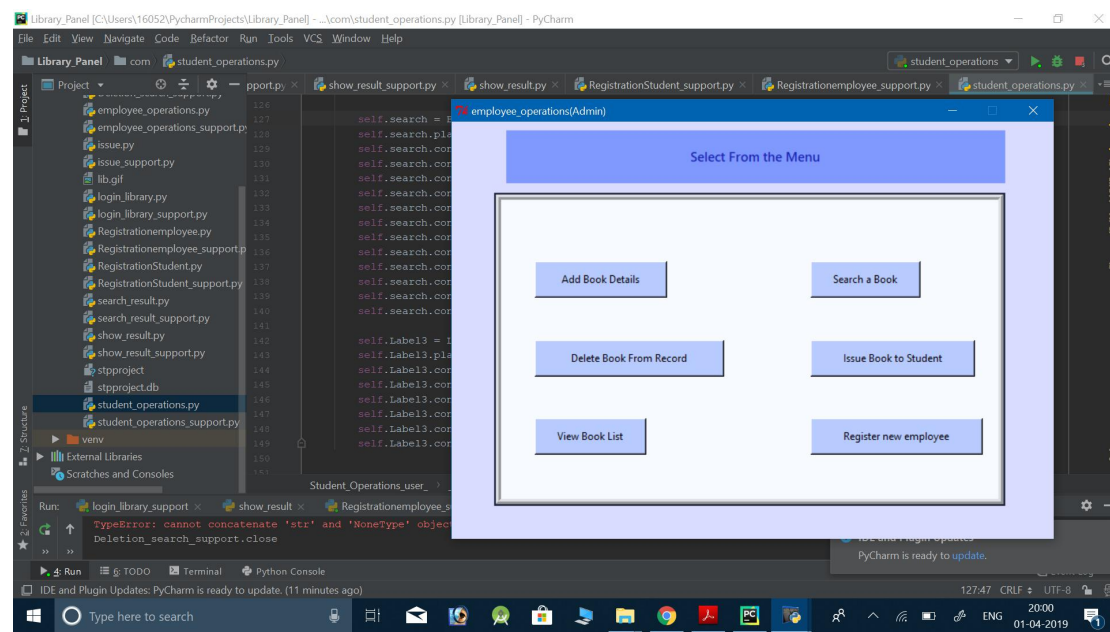
Student Registration Form



Employee Registration Form

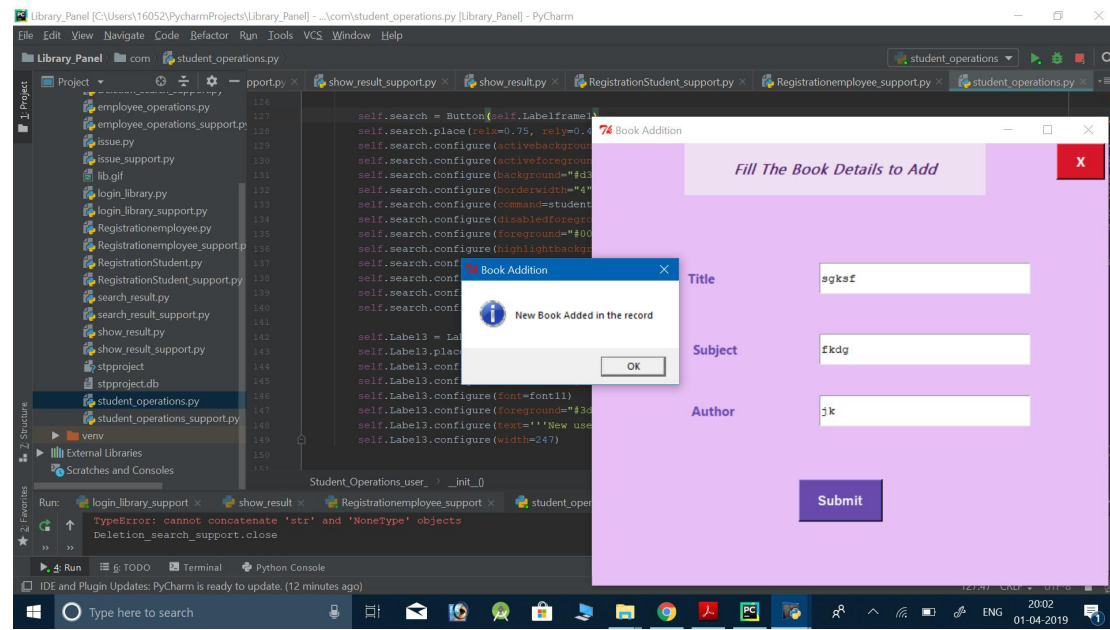


Employee Operation Window

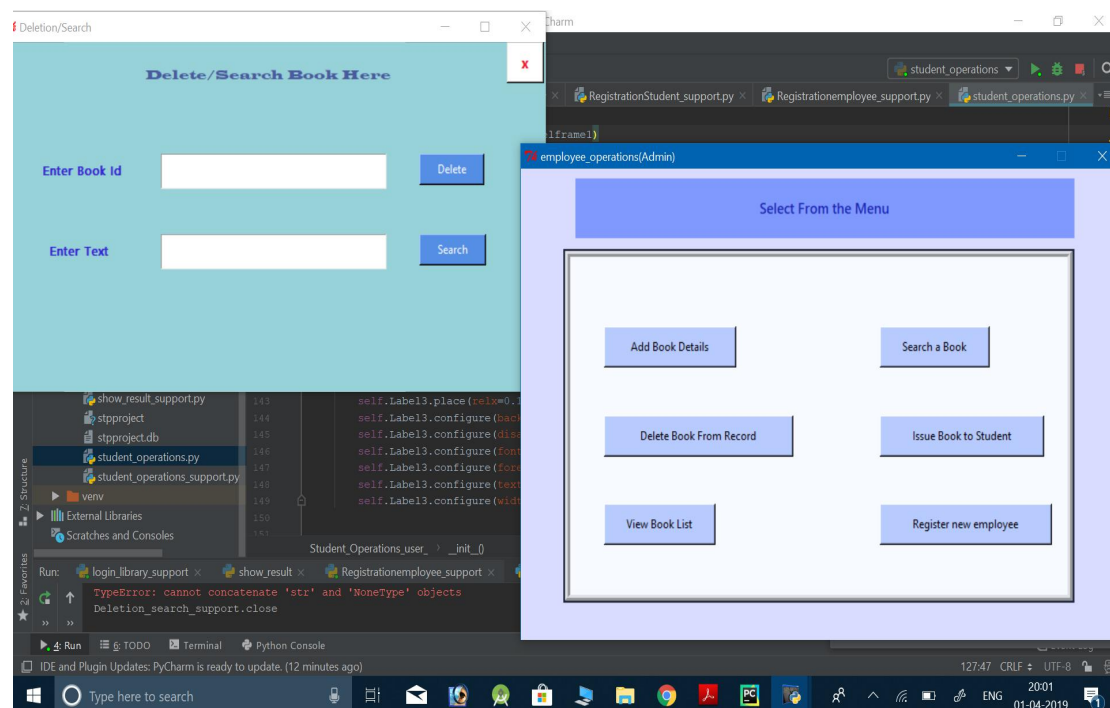


- Every button has its respective functionalities as written on it and a separate working window is displayed when clicked on it

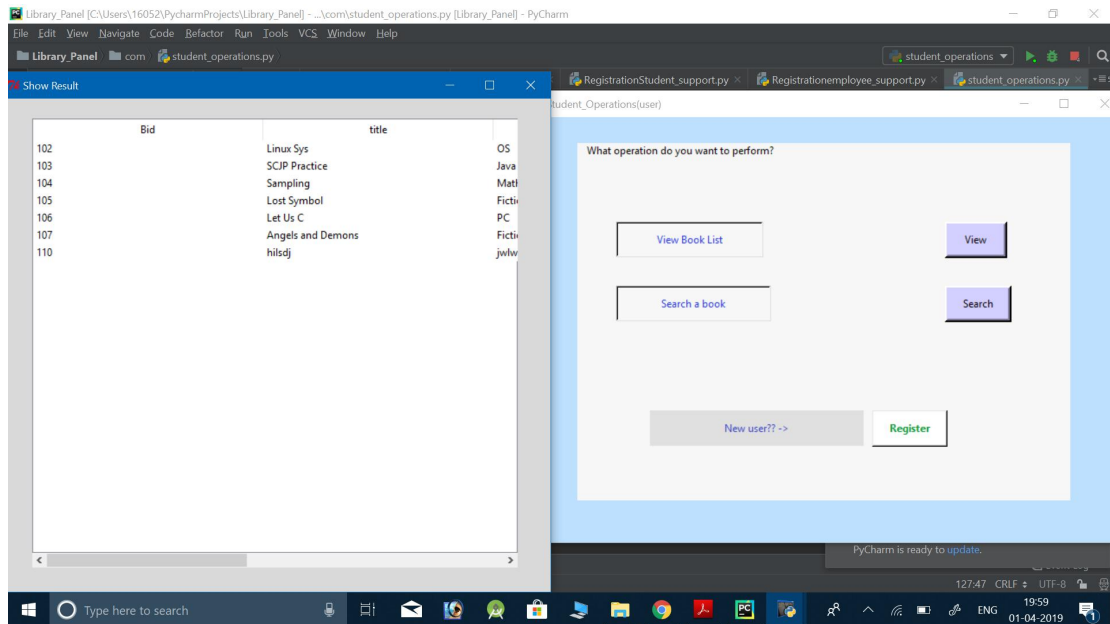
Book Addition



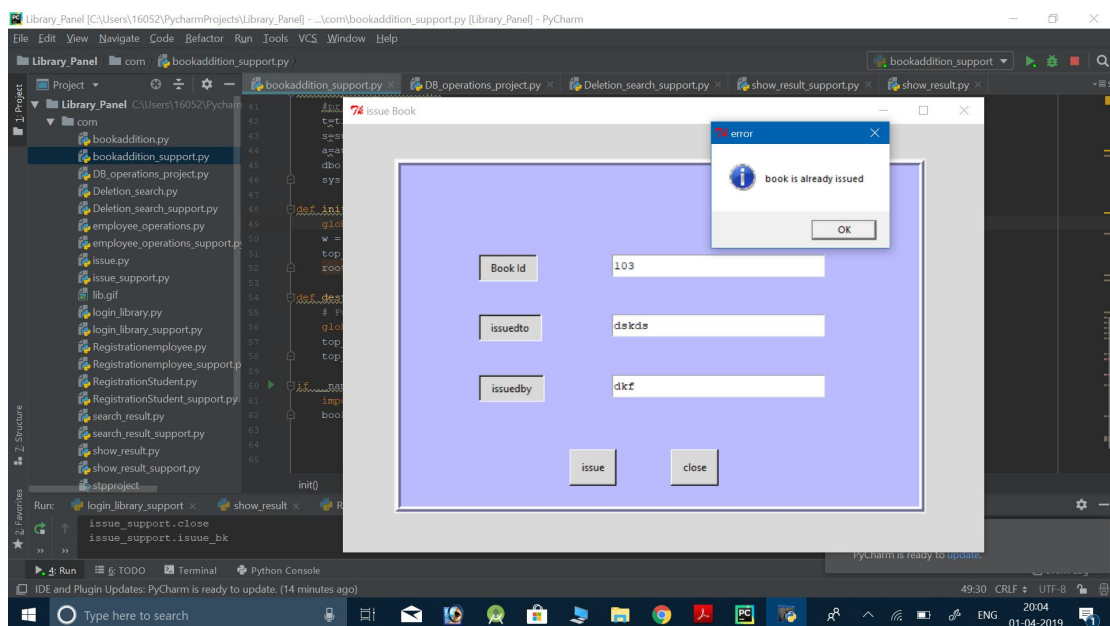
Deletion and Search



View the Book List



Issue A book



NOTE:

The project was done after a training program on Python under RCPL Pvt Ltd. Reference is attached.