Library Management System

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Tools to be used

- 1. Use any IDE to develop the project. It may be Eclipse / Myeclipse / Netbeans etc.
- 2. MySQL for the database.

Front End and Back End

1. Front End: Java Swing

2. Back End: MySQL

How to run this project:

- 1. Import sql files to create tables in MySQL using MySQL workbench
- 2. Import the project on the NetBeans/Eclipse IDE and run it
- 3. add extention like MySQL connector and Jcalendar

MySQL: https://dev.mysql.com/downloads/connector/j/

Jcalender: http://www.java2s.com/Code/Jar/j/Downloadjcalendar14jar.htm



Click on admin to login as admin



Write name and password: It must be admin for name and admin123 for password





Add librarian: to add librarian

<u>&</u>			-	×
	ADD	LIBRARIAN		
	Name:	Ajeet		
	Password:			9
	Email:	ajeet@gmail		5
	Address:	Jhalwa		
	City:	Prayagraj		
	Contact No:	8786575565		
		ADD		
		Back		

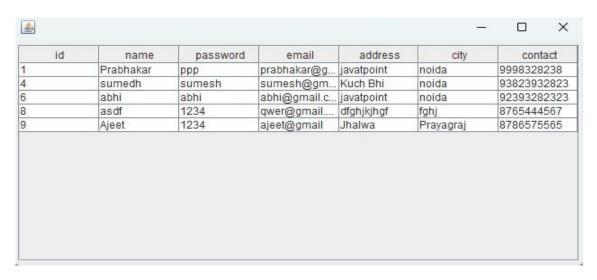
Click **ADD** to add a Librarian.



Click ok.



Now click on view librarian to see records of librarian.



Now close the table.



Now click on **Delete Librarian**.



Again click on the View Librarian button. You can see librarian is deleted successfully.



Now close the table.

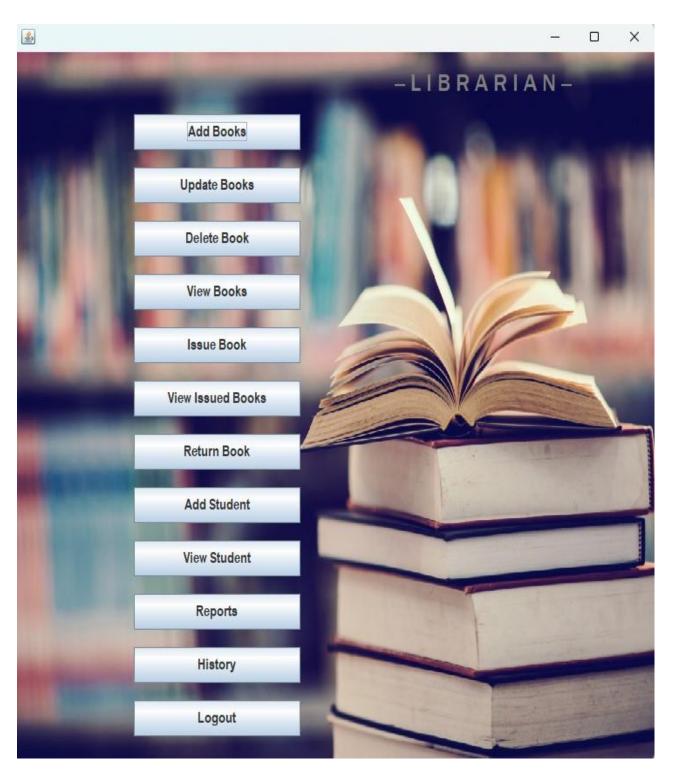


Now click on the **Logout** button.



Click on **librarian** to login as librarian

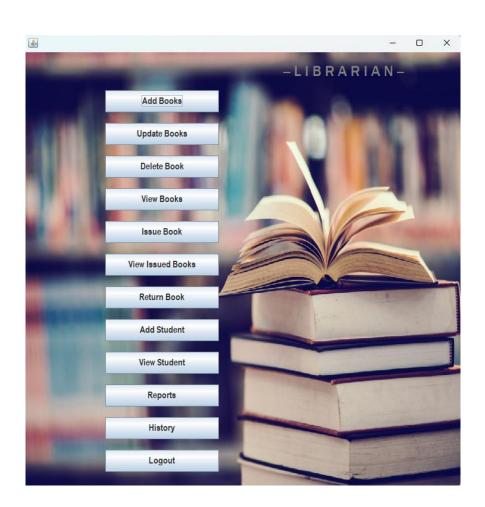




Click on **Add Book** to add new book to library

<u>4</u> 2	- 0	\times
	ADD BOOK	
Call No:	A@9	
Name:	Indian War Of Independence	
Author:	Vinayak Damodar Savarkar	
Publisher:	Reprint,India	
Quantity:	44	
	ADD	
	Message	×
	Books added successfully!	

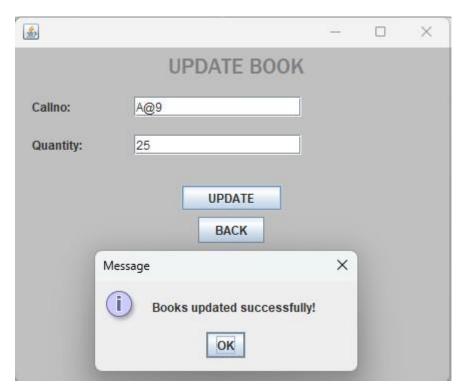
Click OK.



Now click on the View Books button. You can see record is added successfully.

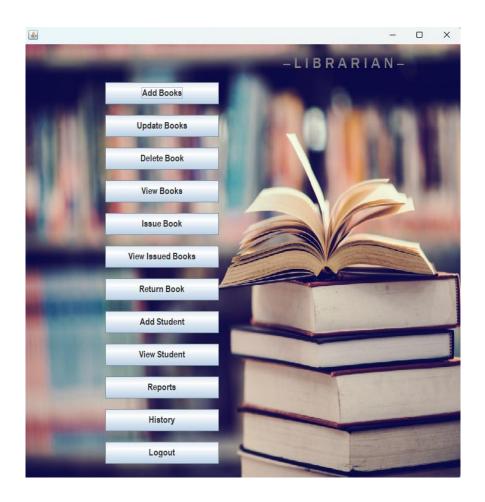


Now close the table and click on **Update Book** button.



Click OK.

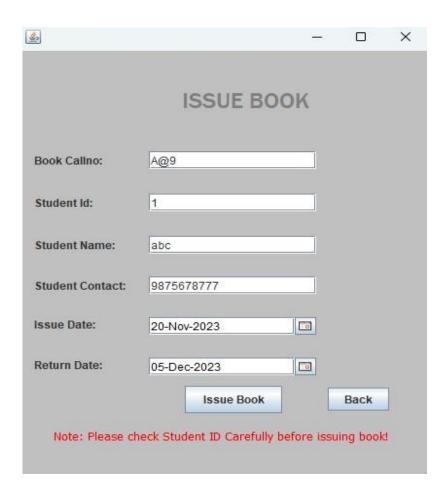
It will help to change the quantity of books if some books got damaged or lost or some more books of same type are bought.



Now click on the View Books button. You can see record is updated successfully.



Now close the table and click on Issue Book button.

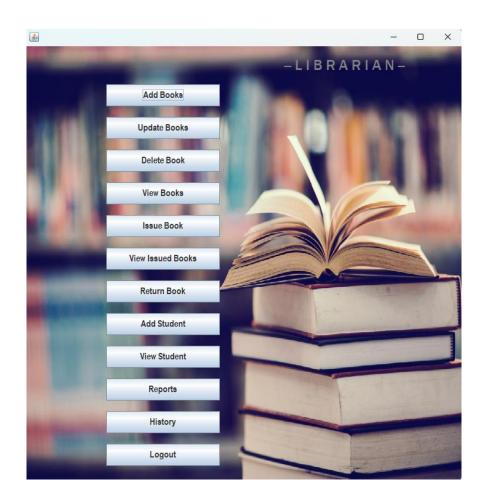




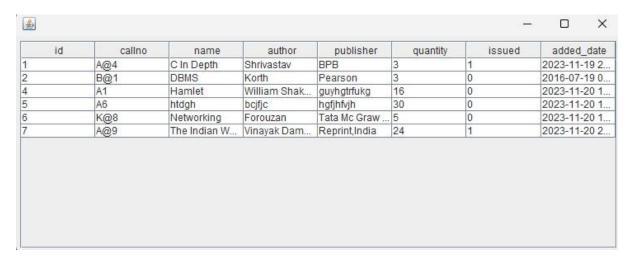
Now click on the view issued books button.



Close the table.



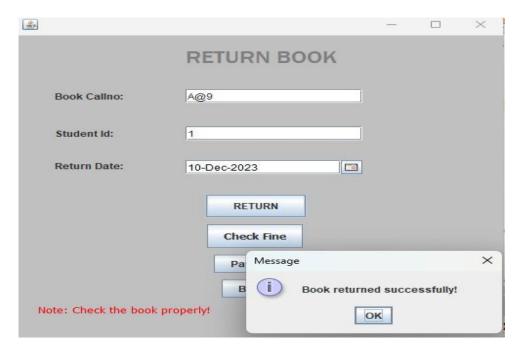
Click on the View Books and see quantity is decremented and issued is incremented.



Close the table



Now click on the **Return Book** button.

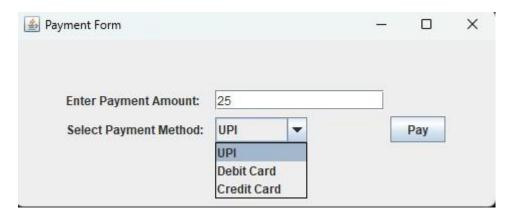


Write the correct Call no and Student Id:

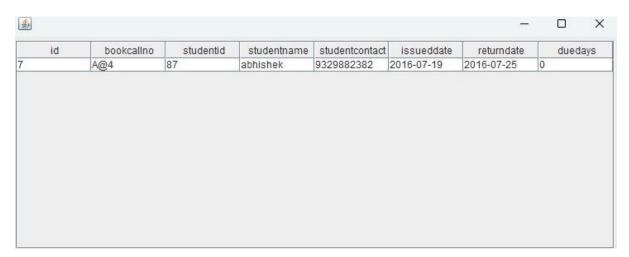
Click Check Fine to view the fine after return.



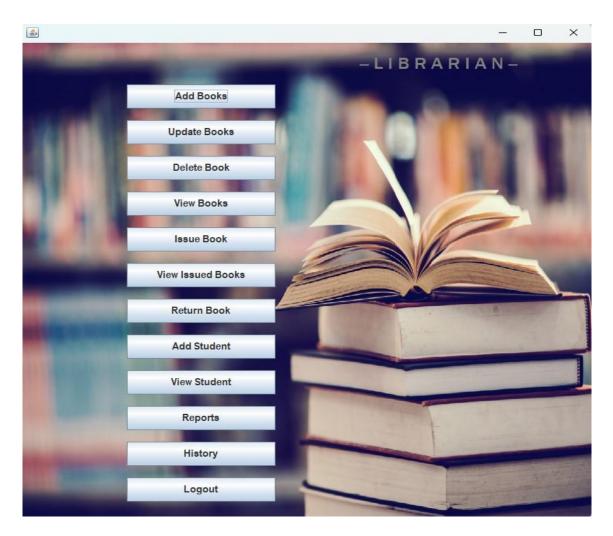
Click Pay fine to pay. (Pay fine button actually does not work it is just for representation).



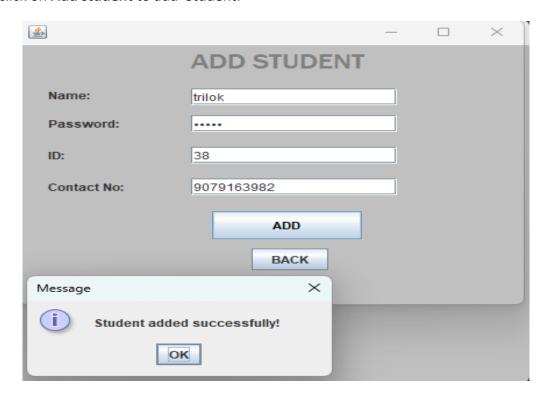
Now close it and go to Librarian Section again click on the **view issued book** button, record is deleted.



Now close the table.

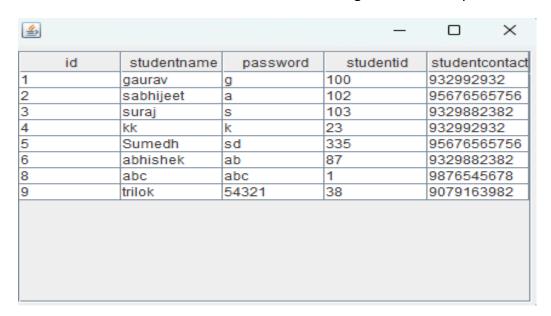


Now click on Add student to add Student.

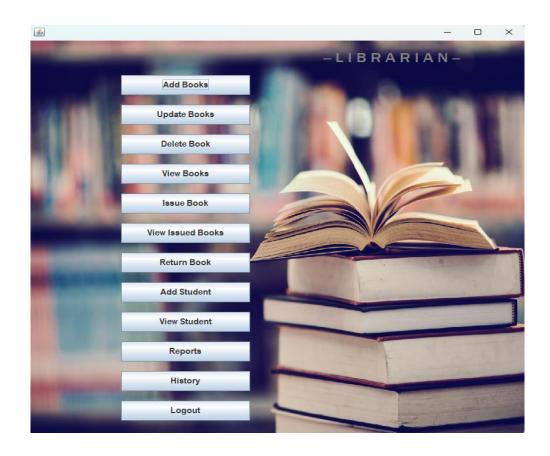


Write details of student and click add and now student will get registered in database. You can than check that using view student feature.

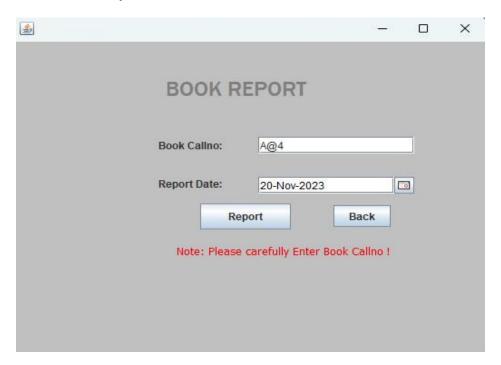
Now click on **View student** to view list of student registered in library.



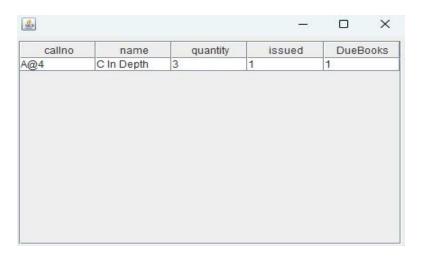
Now close the table. And go to Librarian section.



Now click on **Report**.



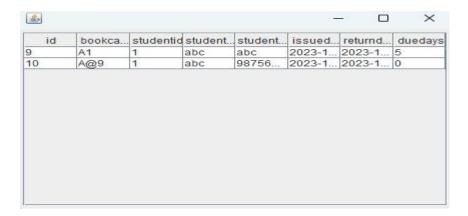
Write details of book and click **report** to View report.



Come back to Librarian and click on ${\bf history}$.



CLick Show.



Now Close the Table and Logout from Librarian section And go to Home page.



Click on Student.



Now enter Name And Password to login.

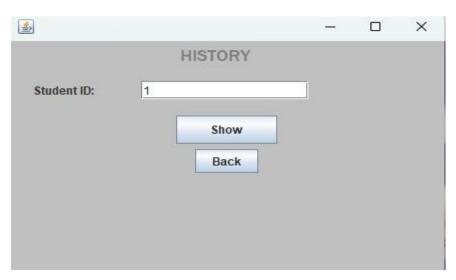


Click view book to see booklist.

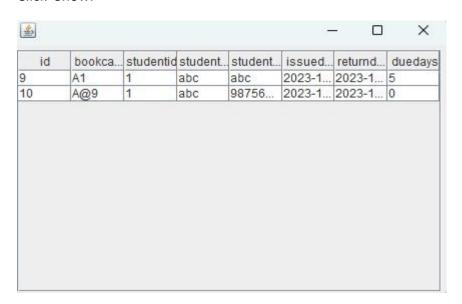


Close table.

Write student id and click show to get student history.



Click Show.



Close the table and click on **logout**.



THANK YOU