LEARNING **M**ANGEMENT **S**YSTEM

Contents

REPOSITORY LINK

github.com/usman479/oop-project

TEAM MEMBERS

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TECHNOLOGIES USED

- JAVA Programming language
- JAVA Swing

ABOUT THE PROJECT

The LEARNING MANAGEMENT SYSTEM is a desktop application that is comprised of various facets and all the necessary functionality that a school or any other educational institute must have in its learning management system. This application allows the admin to enroll students and as well as the teacher by assigning them their ID's and passwords. These enrolled Students can view the details by logging into the system, they can view their courses and the pending assignments of their respective courses and can also view the grades that the teacher gave them. While the teacher can log in via the password and their ID and can mark the student as the system automatically generates the Grade which can be viewed by the student after logging into the LMS.
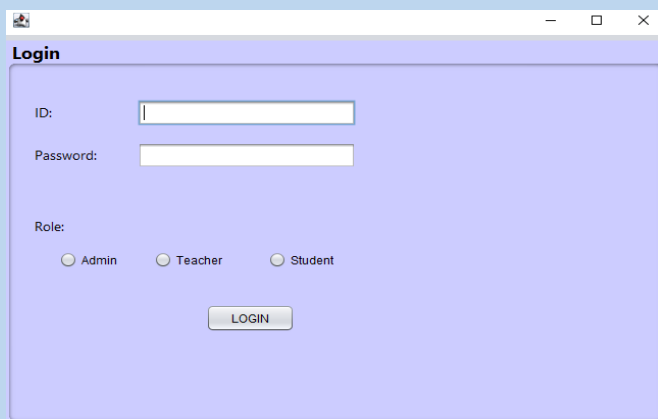
JFRAMES in the LMS

The project consists of multiple jFrames that serve as Graphical User Interface (GUI);

1. Login panel
2. Admin panel
3. Teacher panel
4. Student panel

These panels/ jframes contain tabbed panes as well that allow the respective user to access thee management system to its fullest.
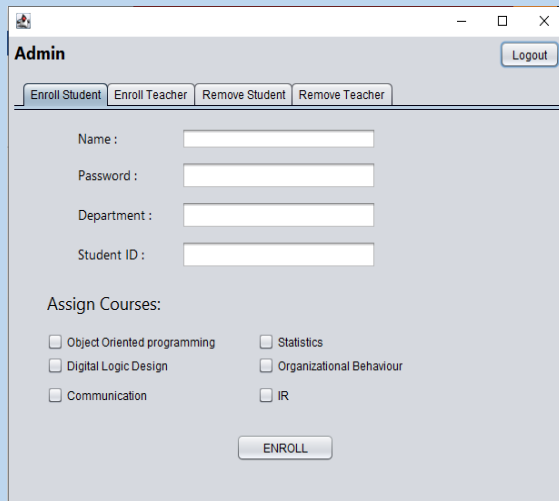
LOGIN PANEL

When the program is executed this login frame appears on the screen of the user. It ask the user to enter the ID and his password and select one of the three radio-buttons at the bottom of the page depending on his designation i.e. Admin, Teacher, and Student and click the LOGIN button to move forward. The program will decide whether the user has entered the correct password or ID if it is correct the program will ask the user to re-enter the details.

ADMIN PANEL
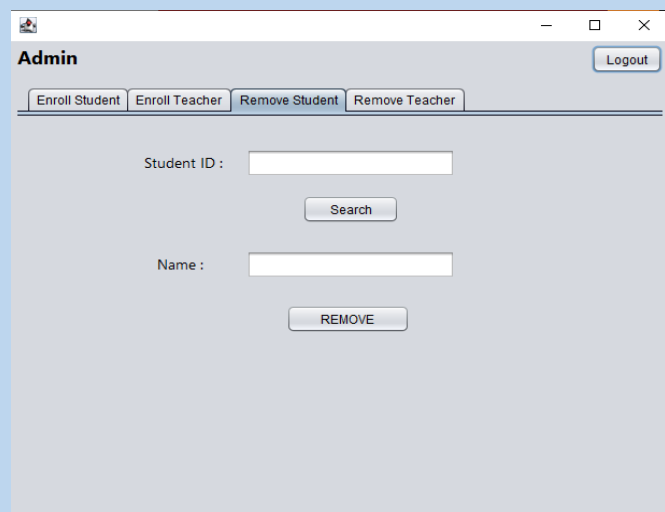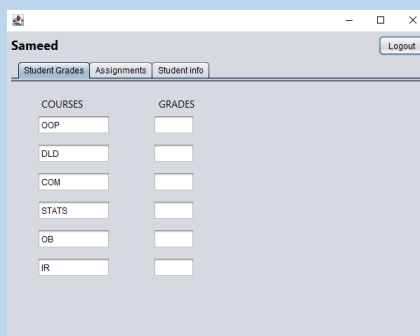
The admin's frame has four different tabs each serving for different purposes. The first two tabs allows the admin to enroll a new Student or a teacher by filling up all the text fields, assigning a newly created password and also assigning the student and the teacher the courses they will be taught and will be teaching based on their designation. By clicking the Enroll button the account for the user will be created and the information will be stored into the program files.

The other two frames serve the purpose of removing teacher and student. The admin may insert the ID of Student and teacher in third and fourth tab respectively and the search button brings up the name of the person to whom the inserted ID was initially assigned to and lastly Remove button deletes the user info and account from the system. On right-top corner the log out button logs the user out and takes him back on login screen.
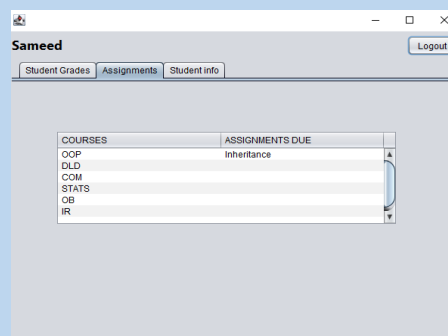
STUDENT PANEL
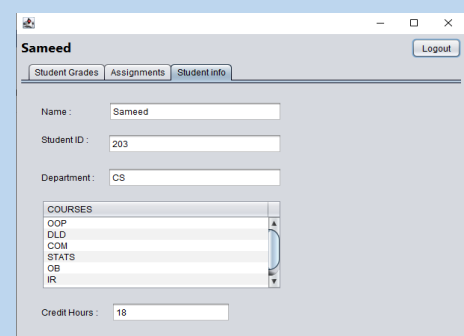
The Student frame contains three tabs in which the student can view his grades against the name of the assigned course. In the second tab the student can see whether there were any assignments uploaded by the teacher against the name of the respective course. And last tab shows all the details of the student i.e. his name, ID, department and a table that lists down his courses followed by the total credit hours.

TEACHER PANEL

After logging in these three tabs will appear in front of the teacher. Grading tab allows the teacher to grade the student by entering his ID and clicking the search button the name of the student for that ID will appear and teacher can enter the obtained marks by that student and calculate the grade for entered marks. That grade will appear on the Grade tab of that student in front of that course's name. Here only those course radio buttons are enabled that were assigned to this particular teacher. In second tab teacher can upload the assignment after selecting the radio-button of a particular course. Lastly teacher can also view all his details as well.