Student Management System

UNDER THE GUIDANCE OF DR. MAINAK ADHIKARI

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Introduction

- We have tried to create a student management that system allows authorized members to access the record of academically registered students.
- It can be used in various educational institutes across the globe and simplifies the working of institutions.
- This system is designed for schools to help administrators and teachers in the management of students.

Motivation & Idea

The student management has to handle records for many students, and maintenance was complex. Though it has used an information system, it was totally manual. Hence there is a need to upgrade the system with a computer-based information system.

- To overcome existing problems occurring in the maintenance of student information
- To manage student's information during admission
- To develop a system that is convenient to use and easy to handle
- To reduce unnecessary paperwork in maintaining student's information
- This system is fast and convenient

Applications

With an online student management system, the entire process of an institute gets automated. A lot of manpower and resources' time is saved from an admin's perspective. On the other hand, the resources can be utilized to better drive students' progress and outcomes.

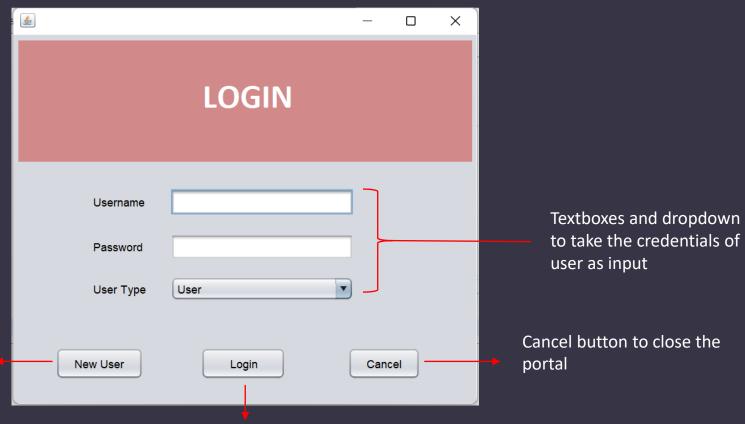
- It can be used by students to fill application forms of respective schools.
- Students can view the list of current courses and batches to choose from.
- It can be used by the administration to manage the data of the students at one place.
- Management staff can use the portal to view the list of current batches and courses and add new if needed.

Description of the project

The project mainly consists of four pages:

- The login page
- New User page
- User page
- Admin page

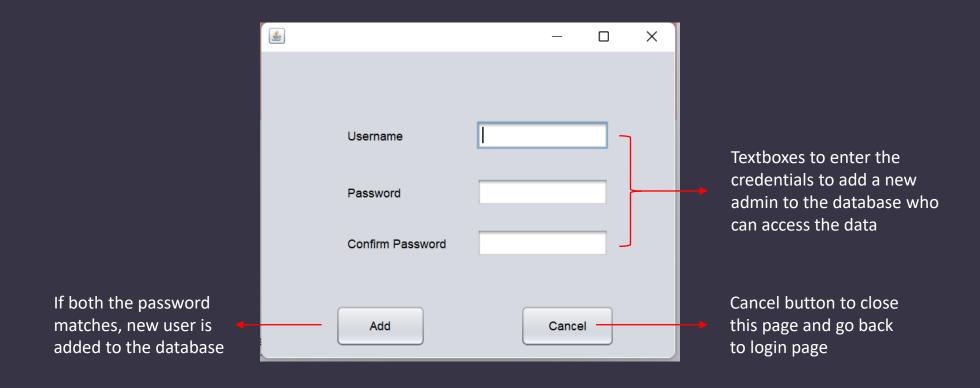
The Login Page



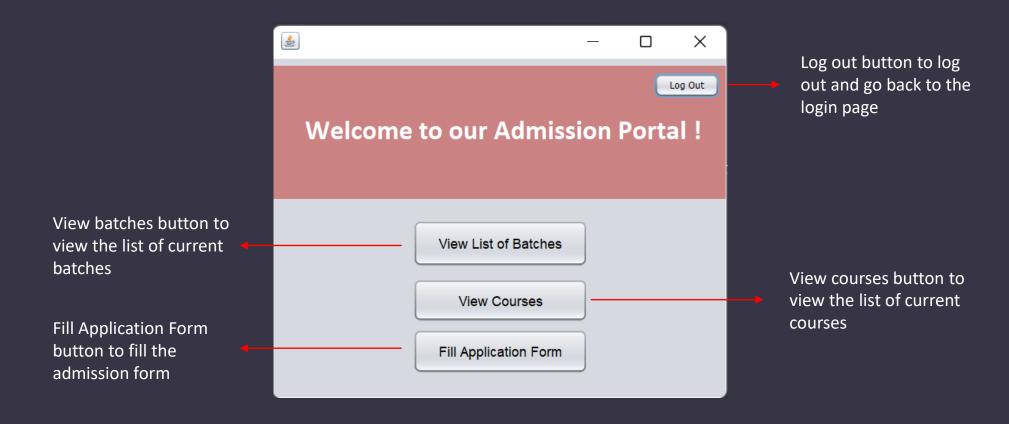
This button opens the New User page to register as a new user

Login button opens the next page if the credentials matches, otherwise shows error message

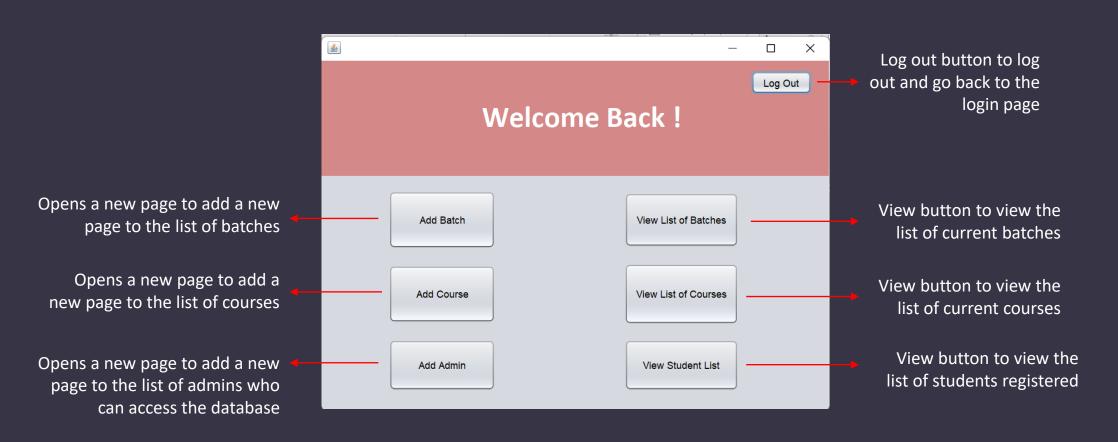
Add Admin page



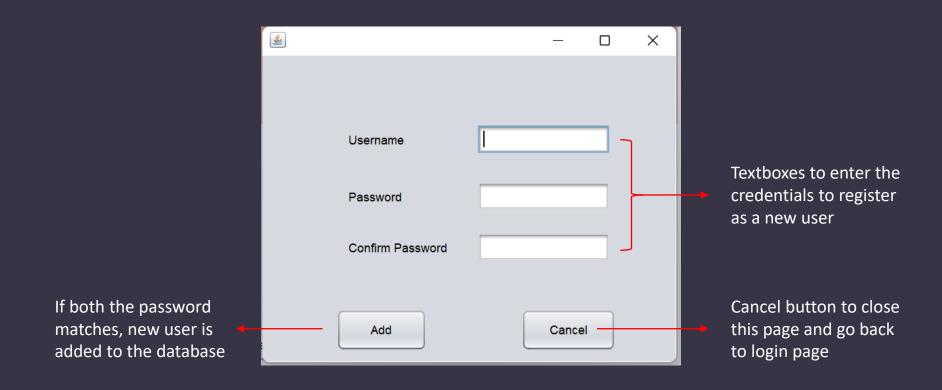
User page



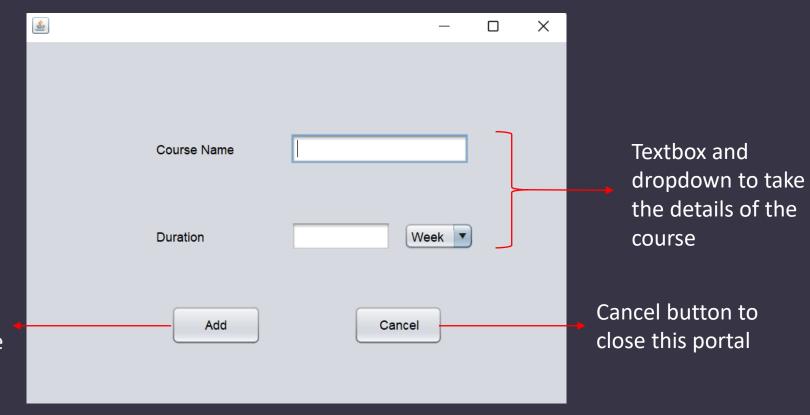
Admin Page



New User page

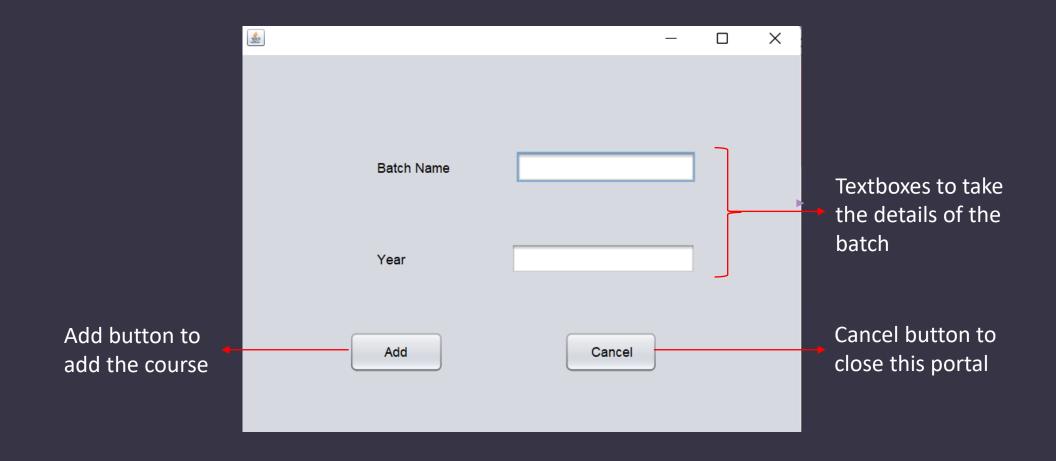


Add Course

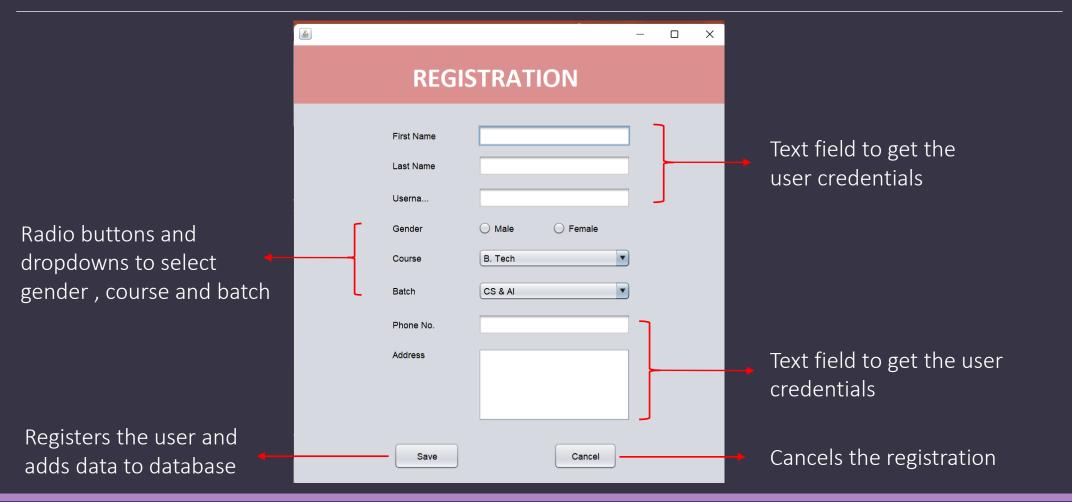


Add button to add the course

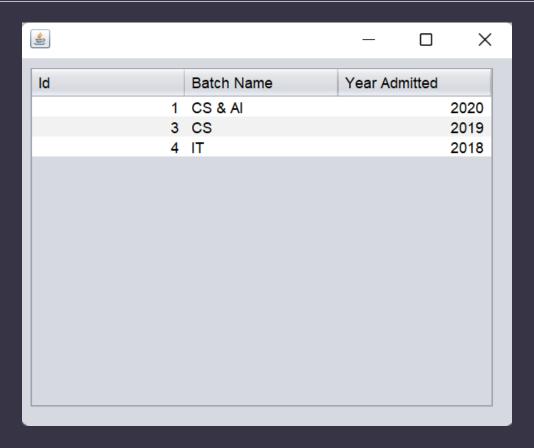
Add Batch



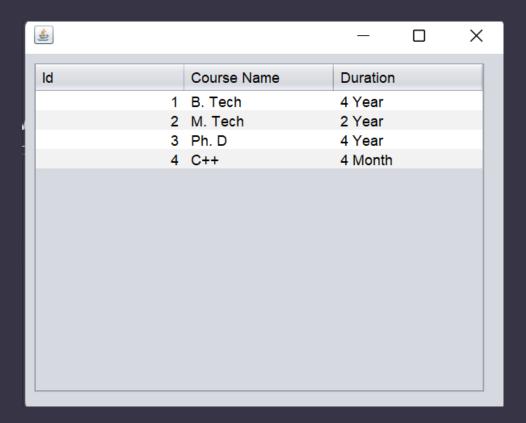
Registration Page



View Batches



View Courses



View Student List

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ld	N	lame	Username	Gender	Course	Batch	Phone Number	Address
	2 S	aniya Mahe	SaniyaM	Female	B. Tech	CS & Al	7060675254	Barielly, UP
	4 T	usharika Ma	tush	Female	M. Tech	CS	9876564567	Indore, M.P.
	5 V	artika Gupta	Vartu	Female	Ph. D	IT	8927386543	Surat, Gujarat
	6 D	ivya Rai	Divy	Female	C++	CS	8987365232	Srinagar, Kas

Technologies Incorporated

- Swing API for window application
- AWT API for window application (event listeners)
- JDBC for database connectivity (MySQL as DBMS)

Java Properties Incorporated

- Multiple Inheritance
- Multi-level Inheritance
- Polymorphism
- Exception Handling

Possibilities for Extensions

Adding more functionalities to this application can help it get deployed on a large scale. We can add various functionalities such as

- We can add a profile page for each student, where they can view information related to their accounts, such as the courses they have registered in, the batch they are in, the validity of their courses, and more.
- Since it is a management system; therefore it can be deployed in not only schools and colleges but also for other fields such as hospitals, banks, libraries, government offices, etc., to maintain the record of users.

Possibilities for Extensions

- Fee-paying functionalities can also be added to this system so that the students can perform fee transactions and view its status as well.
- This portal can also be extended by adding exam-related data of students to the database. As a result, the students can view their marks obtained in the exams they have appeared in and can also get a finalized report of their performance.

Contribution of group members

Fill Application Form page Tusharika Maheshwari New User/Admin page (LCI2020023)

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Vartika Gupta (LCI2020024) User Page
View list of batches
View list of courses
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Admin Page
Add Batches
Add Courses

Divya Rai
(LCI2020025)

THANK YOU