

UNIVERSITY MANAGEMENT MODEL

Team Members:

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Introduction

In the ever-evolving landscape of higher education, institutions require robust and flexible systems to manage academic and administrative functions efficiently. Our solution is designed to streamline processes, enhance communication, and provide insightful analytics for students, professors, and administrators. This report outlines the functionalities and expanded deliverables of CAMS, ensuring a holistic approach to academic management.

Student Functionalities

1. Account Management

Students can create, view, update, and delete their accounts, ensuring they have full control over their personal and academic information. The system allows the upload and display of student images, adding a personal touch to their profiles.

2. Course Enrollment

Students can enroll in up to two courses per semester, adhering to academic policies. The system provides an intuitive search function to find courses and professors, including filters based on professor ratings and names.

3. Academic Progress and Support

Students can view announcements from professors, access their transcripts, and download them in PDF format. If issues arise, students can create support tickets, which are sent directly to the admin for resolution. Each ticket has a unique number for easy tracking and reference.

Professor Functionalities

1. Account and Course Management

Professors have the ability to manage their accounts and course catalogs, including creating, updating, and deleting courses. The system provides tools for grading students and sending transcripts directly to their portals.

2. Student Engagement and Communication

Professors can post announcements to keep students informed and engaged. The grading system ensures timely feedback, contributing to the students' academic success.

Admin Functionalities

1. Performance Analysis and Support

Admins have access to performance metrics of professors and registration statistics of students and professors. They can view and resolve student-created tickets, ensuring timely support.

2. Comprehensive Data Access

Admins can view all signup data, including roles, providing a complete overview of the academic ecosystem.

Expanded Deliverables and Functionalities

1. Comprehensive Analytics and Reporting

CAMS provides in-depth analytics on course performance, student engagement, and administrative efficiency. Custom reports can be generated to assess various aspects of academic and operational performance.

2. Proactive Support and Issue Resolution

The system includes a proactive support mechanism that identifies potential issues before they escalate, ensuring a smooth academic experience for all users.

3. Integration with External Tools and Platforms

CAMS is designed to integrate seamlessly with external tools and platforms, enhancing its functionality and ensuring it remains up-to-date with the latest technological advancements.

4. Mobile Accessibility and User-Friendly Design

The system is accessible on various devices, including smartphones and tablets, ensuring users can access their accounts and perform necessary functions on-the-go. The user-friendly design ensures ease of use, reducing the learning curve for new users.

5. Continuous Improvement and Updates

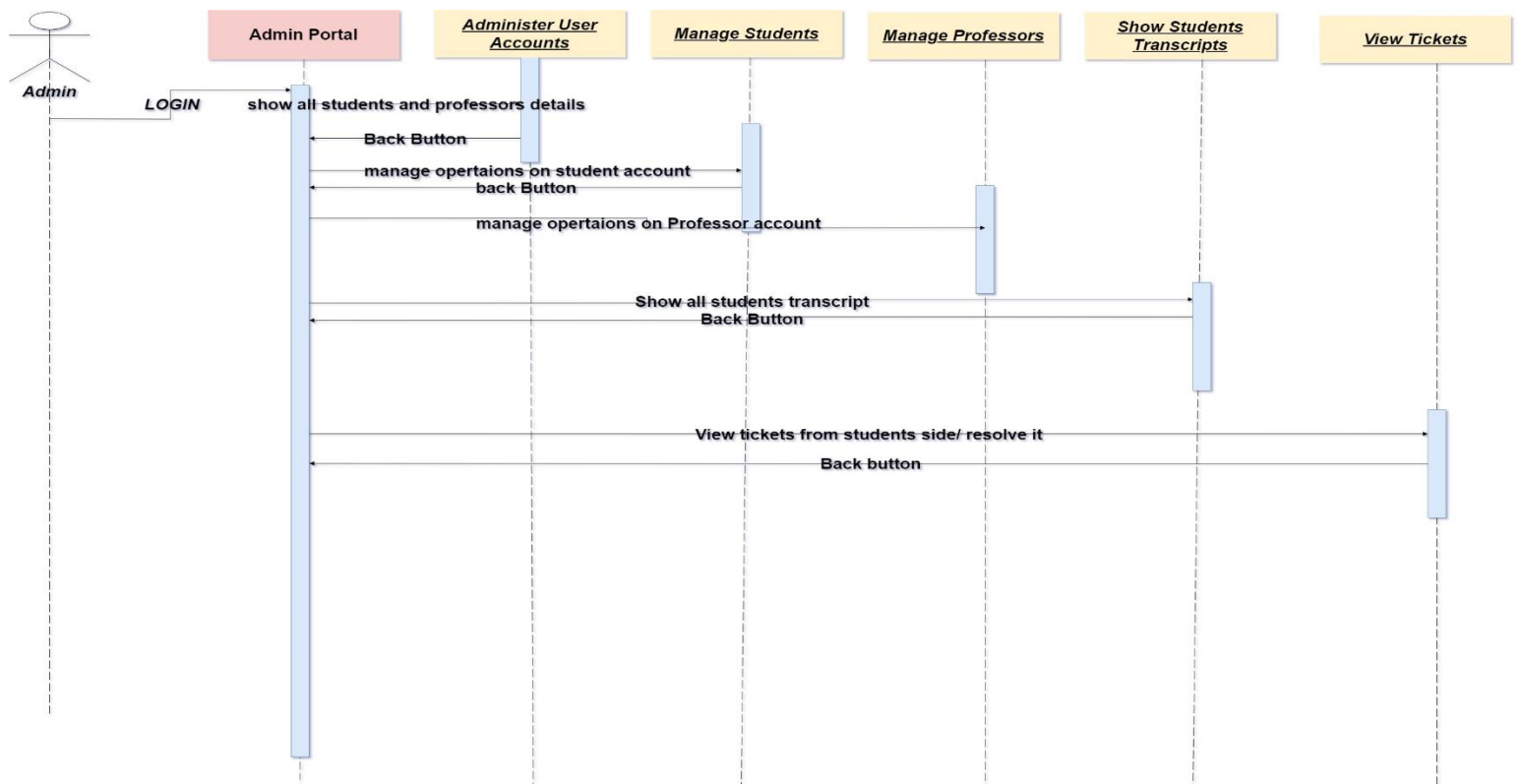
CAMS is committed to continuous improvement, with regular updates and enhancements based on user feedback and technological advancements. This ensures the system remains relevant and efficient, meeting the evolving needs of the academic community.

Conclusion

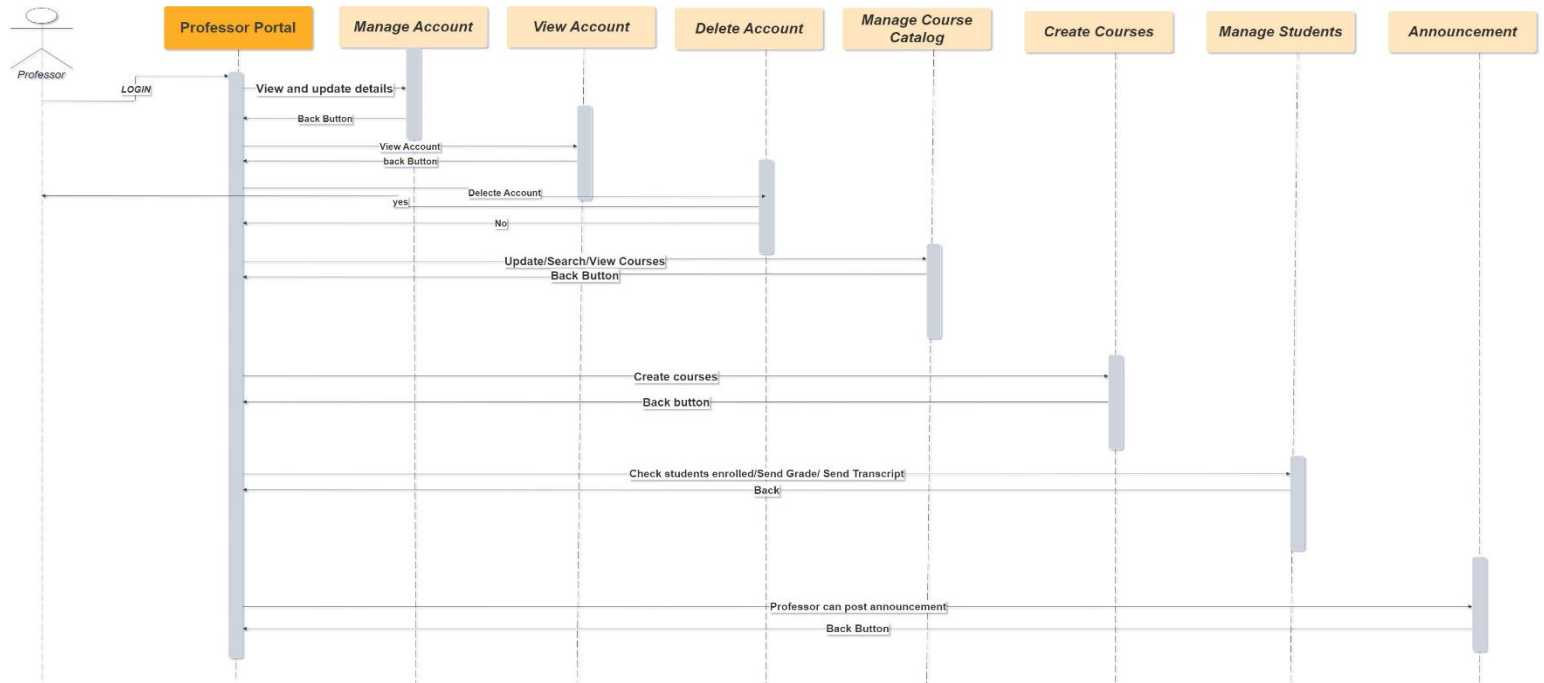
The Comprehensive Academic Management Solution provides a robust and intuitive platform for students, professors, and administrators to manage academic and administrative functions efficiently. With expanded deliverables and functionalities, CAMS ensures a holistic approach to academic management, fostering a supportive and engaging learning environment.

Sequence Diagram:

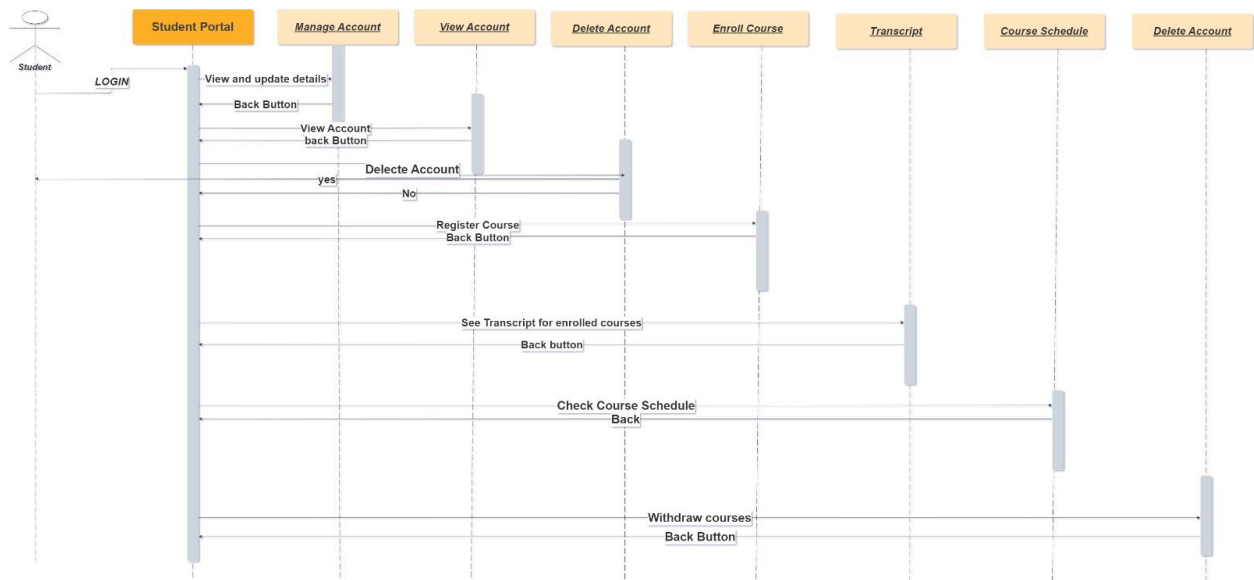
1) Admin Sequence Diagram



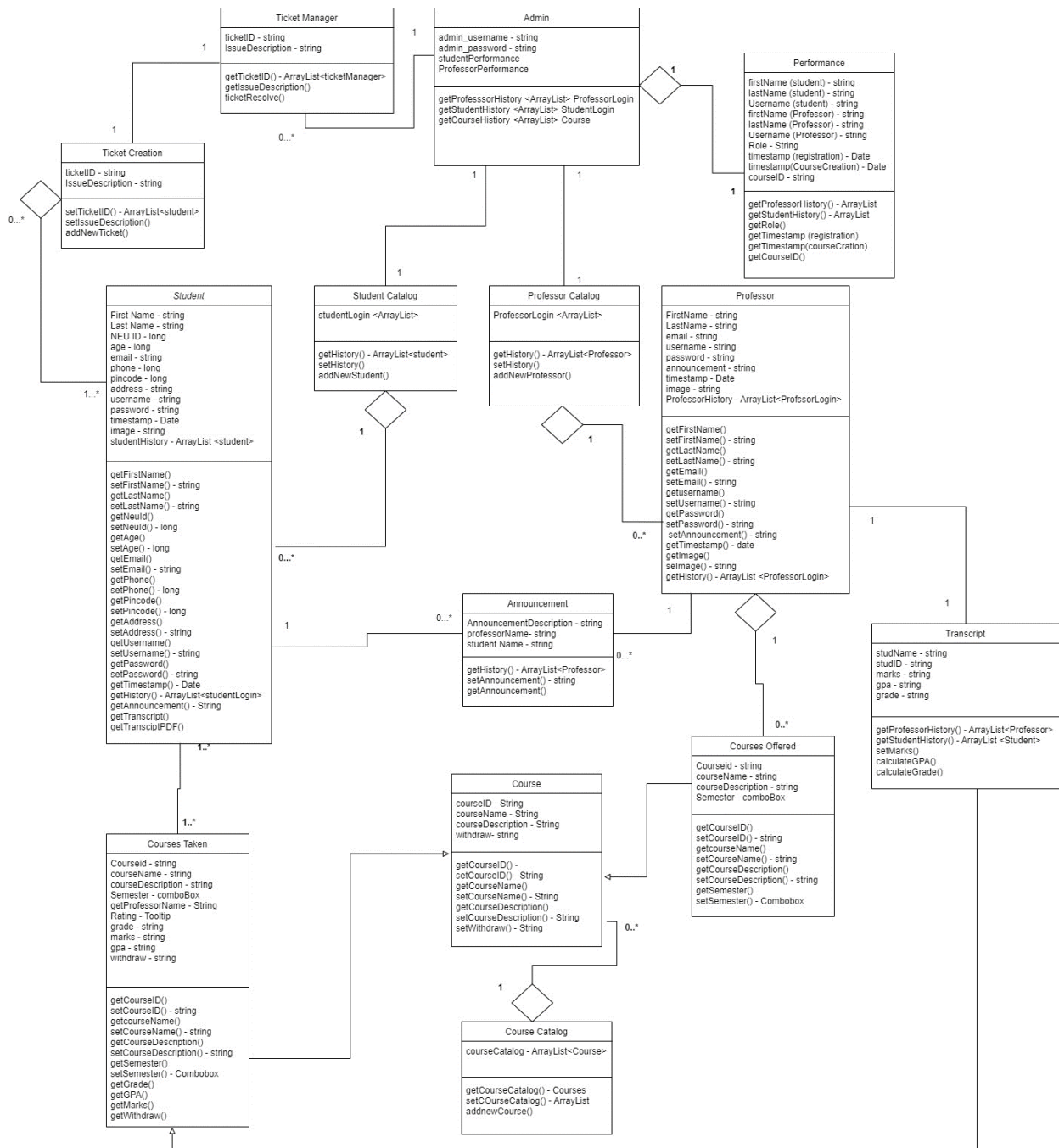
2) Professor Sequence Diagram



3) Student Sequence Diagram

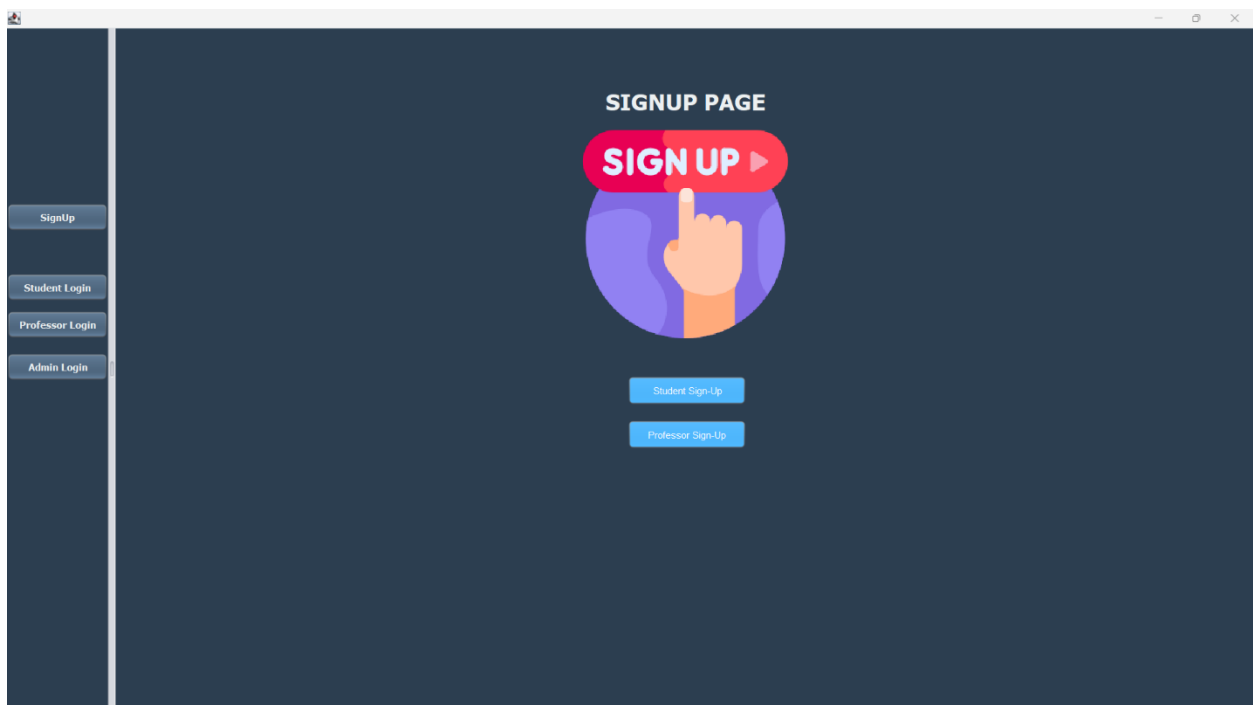
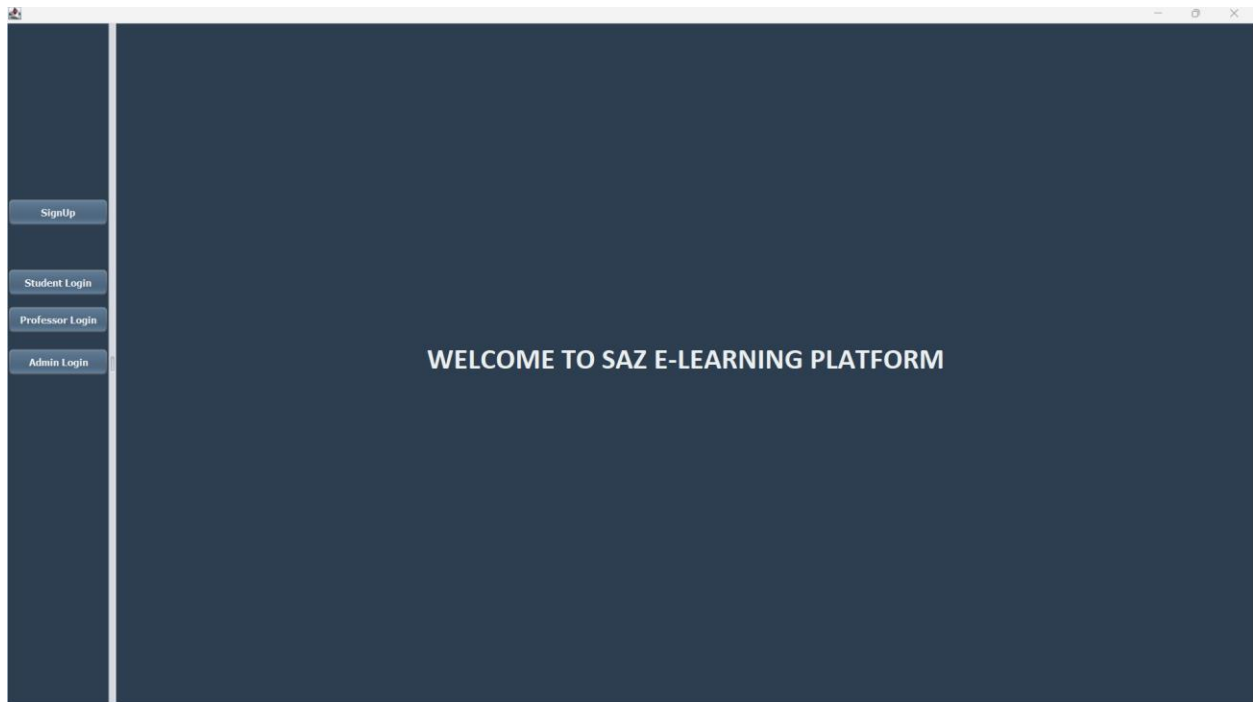


Class Diagram:



Screenshots :

Admin:




SignUp

Student Login

Professor Login

Admin Login

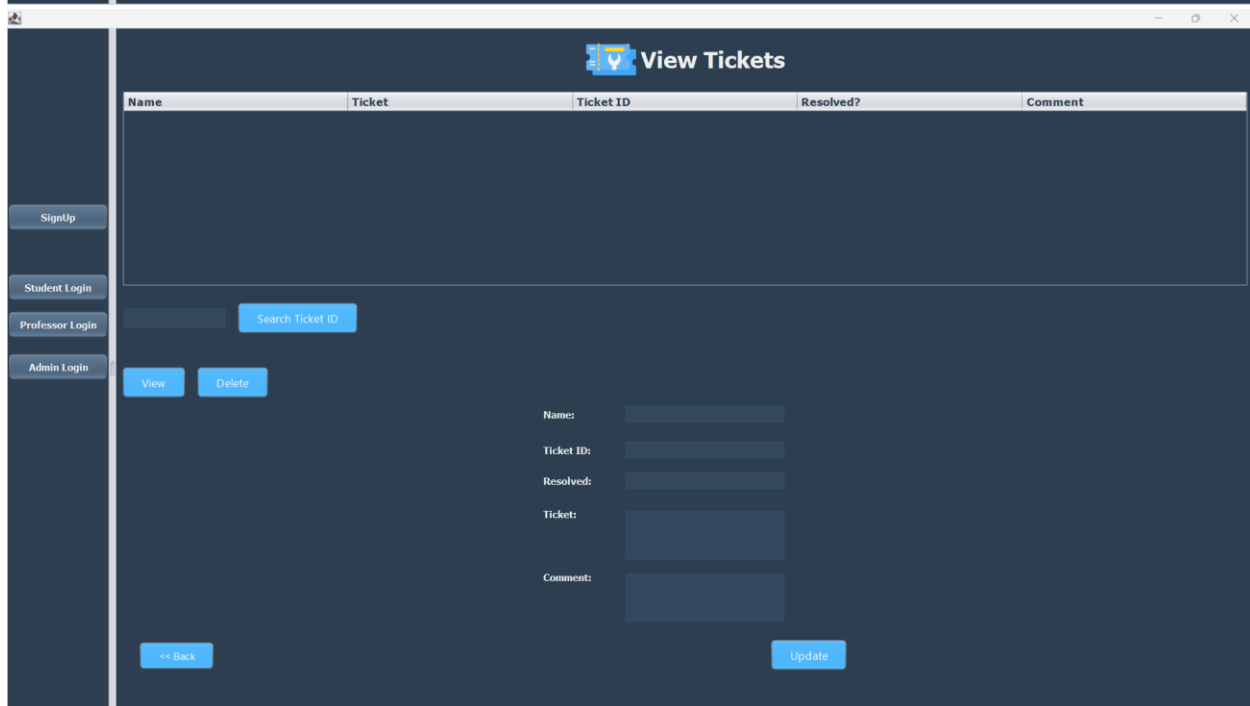
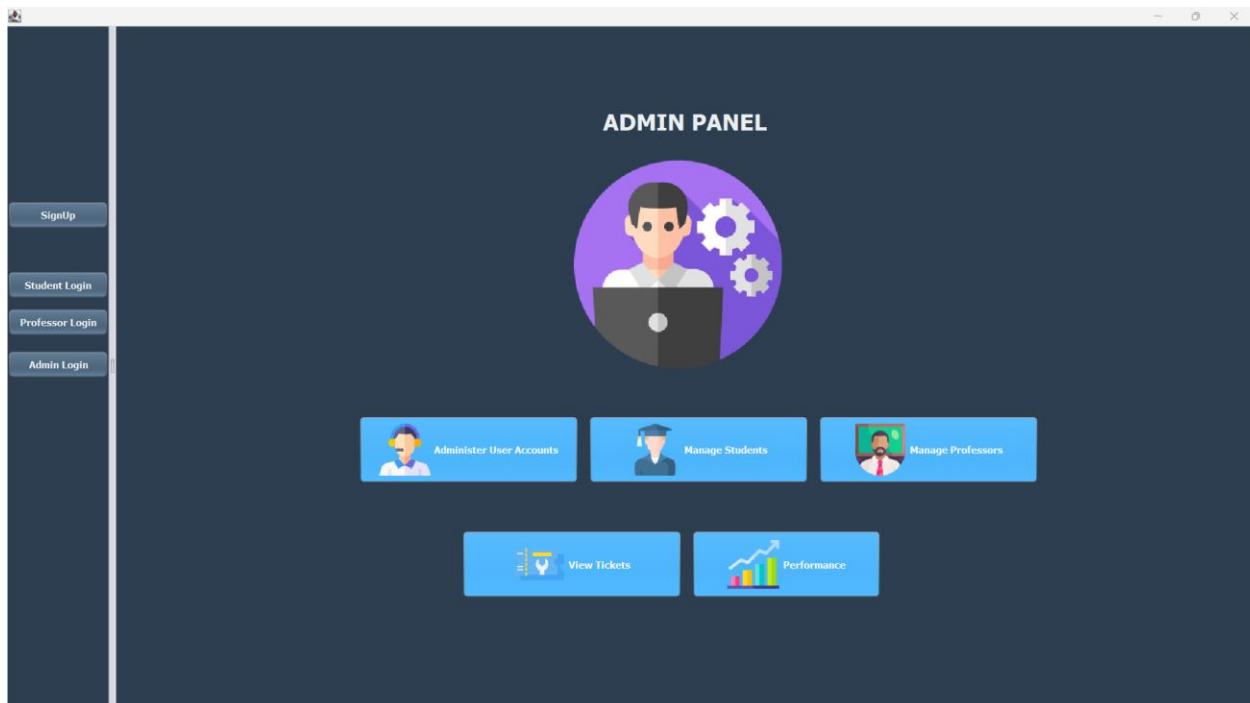
ADMIN LOGIN



Username :

Password :

Login



PERFORMANCE

Registration Activity

First Name	Last Name	Username	Role	Registered Time
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SignUp

Student Login

Professor Login

Admin Login

<< Back



VIEW ALL USERS

First Name	Last Name	Email	Username	Password	Type
Zakir	Memon	zakir.memon@neu.edu	zaki25	c86bbb32e714beddabdb9a292284...	Student
Roger	Fred	roger.fred@neu.edu	roger11	cf419c6015f08db3d6537f1a459b...	Professor

SignUp

Student Login


Professor Login

Admin Login

Search By Username

View

Delete



<< Back

First Nam...

Zakir

Last Name :

Memon

Email :

zakir.memon@neu.edu

Username :

zaki25

Password :

.....

Update

SignUp

Student Login

Professor Login

Admin Login


MANAGE STUDENTS

First Name	Last Name	NEU ID	Age	Email	Phone	Pincode	Address	Username	Password
Zakir	Memon	111	25	zakir.memon@neu...	852252442	2042	Huntington Ave	zakir25	c86bbb32e714bed...

Search By Username

View

Delete



First Name :

Last Name :

NEU ID :

Age :

Email :

Phone :

Pincode :

Address :

Username :

Password :

Zakir

Memon

111

25

zakir.memon@neu.edu

852252442

2042

Huntington Ave

zakir25

.....

<< Back

Update

SignUp

Student Login

Professor Login

Admin Login


MANAGE PROFESSORS

First Name	Last Name	Email	Username	Password
Roger	Fred	roger.fred@neu.edu	roger11	cf419c6015f08db3d6537f1a459b3...

Search By Username

View

Delete



First Name :

Last Name :

Email :

Username :

Password :

Roger

Fred

roger.fred@neu.edu

roger11

.....

<< Back

Update

Student:

<< Back

SignUp

Student Login

Professor Login


Admin Login

WITHDRAW COURSE

Course:

Professor:

Withdraw Course



SignUp

Student Login

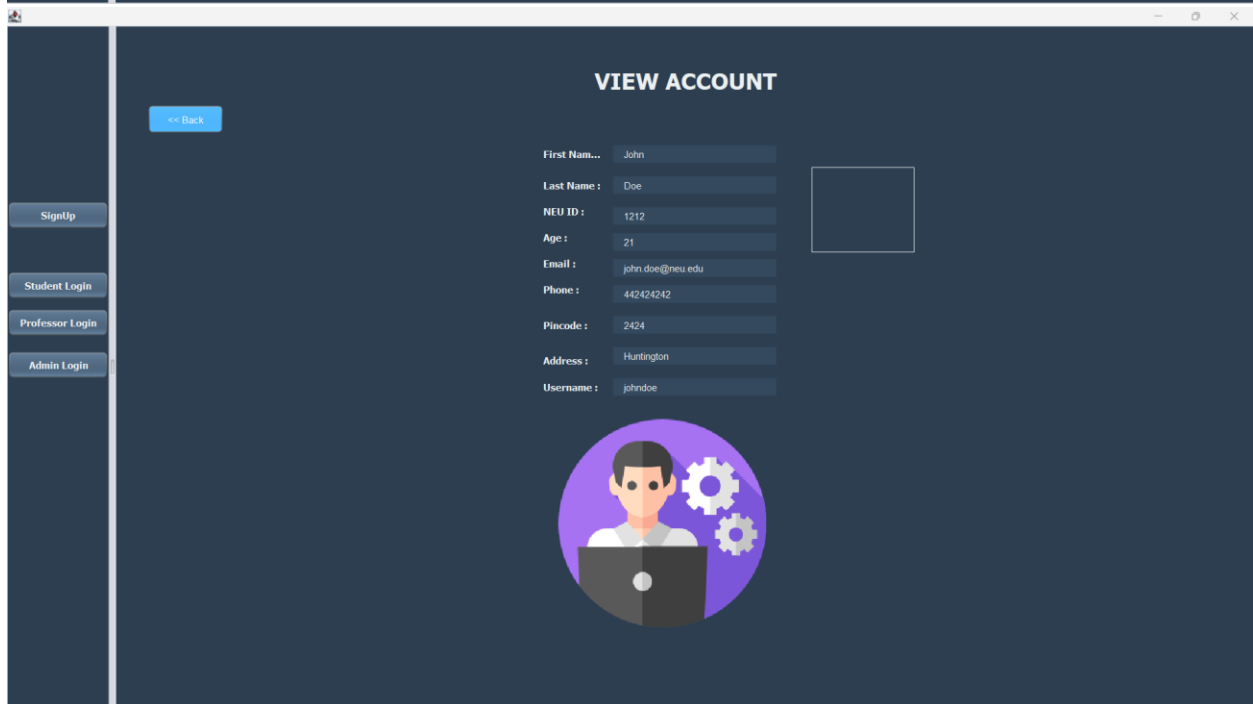
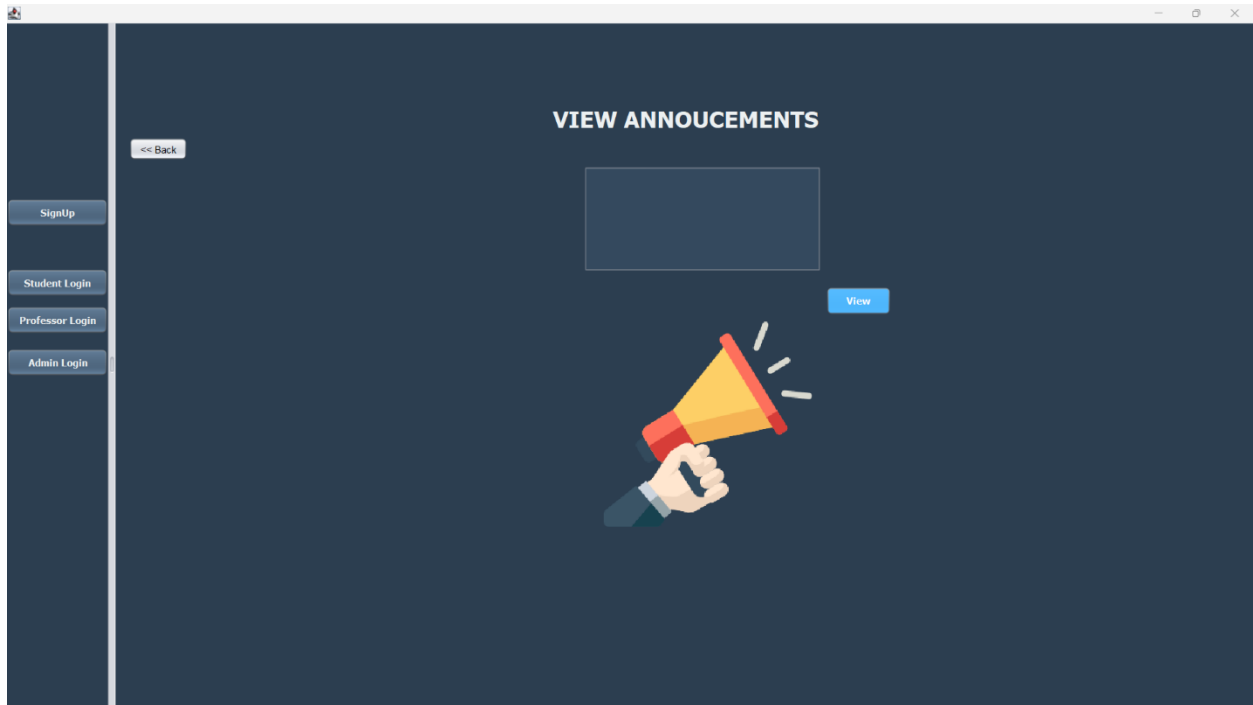
Professor Login

Admin Login

View Tickets

Search Ticket ID

<< Back



Back

SignUp

Student Login


Professor Login

Admin Login

TRANSCRIPT

Course ID	Course N...	Professor ...	Description	Term	Status	Marks	GPA out ...	Grade
-----------	-------------	---------------	-------------	------	--------	-------	-------------	-------

Download PDF



SignUp

Student Login

Professor Login

Admin Login

SIGN UP STUDENT

First Nam...

Last Name :

NEU ID :

Age :

Email :

Phone :

Pincode :

Address :

Username :


Password :

Insert Image

Browse

Save

SIGN UP




SignUp

Student Login

Professor Login

Admin Login

STUDENT LOGIN PAGE



Username :

Password :

Login

SignUp


Student Login


Professor Login


Admin Login

STUDENT MODULE


My Account


Manage Account


View Account


Delete Account


Student Operations


Enroll Course


Transcript

Course Schedule

Withdraw

Check Announcements

Create Tickets

View Tickets

SignUp

Student Login

Professor Login

Admin Login

MANAGE ACCOUNT

<< Back

First Name: John

Last Name: Doe

NEU ID: 1212

Age: 21

Email: john.doe@neu.edu

Phone: 442424242


Pincode: 2424

Address: Huntington

Username: johndoe

Password: *****

Update



SignUp

Student Login

Professor Login

Admin Login

ENROLL COURSE

Course ID	Course Name	Professor	Course Description	Term
-----------	-------------	-----------	--------------------	------

Search

View Section

Course ID:

Course Name:


Professor:

Course Description:

Term:

Enroll

<< Back




SignUp

Student Login

Professor Login

Admin Login

RAISE A TICKET



Name:

Type Your Issues:

<< Back

Raise Ticket

SignUp

Student Login

Professor Login


Admin Login

COURSE WORK

<< Back

Course:

Coursework:



SignUp

Student Login

Professor Login

Admin Login

SIGN UP STUDENT

First Nam...

Last Name :

NEU ID :

Age :

Email :

Phone :

Pincode :

Address :

Username :


Password :

Insert Image

Browse

Save

SIGN UP ▶



Professor:

SignUp

Student Login

Professor Login

Admin Login

SIGN UP PROFESSOR

First Name...

Last Name :

Email :

Username :

Password :

Save

Insert Image

Browse

SIGN UP

SignUp

Student Login

Professor Login

Admin Login

VIEW PROFESSOR PORTAL

Manage Account

View Account

Delete Account

Manage Course Cat...

Create Course

Manage Students

Post Announcements

SignUp

Student Login

Professor Login

Admin Login

MANAGE COURSES


<< Back

Course ID	Course Name	Course Description	Term
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Search

View Details

Delete Course



SignUp

Student Login

Professor Login

Admin Login

<< Back

MANAGE ACCOUNT

First Name...

Alex

Last Name :

Jake

Email :


alex.jake@neu.edu

Username :

alex12

Password :

Update




SignUp

Student Login

Professor Login

Admin Login

PROFESSOR LOGIN PAGE



Username :

Password :

LogIn

SignUp

Student Login

Professor Login

Admin Login

MANAGE & GRADE STUDENTS

<< Back

Course ID	Course Name	Student Name	Student NEU ...	Marks	GPA out of 4.0	Grade
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PROVIDE MARKS

Student Name :

Student NEU ID :

Course ID :

Course Name :

Marks :


GPA :

Grade :

Calculate GPA

Update Student

View Details



SignUp

Student Login

Professor Login

Admin Login

COURSE CREATION

Select a Term :

Fall 2023


Course ID :

Course Name :

Course Description :

<< Back

Save



SignUp

Student Login

Professor Login


Admin Login

ADD ANNOUNCEMENTS

<< Back

Provide Announcements:

Post Announcements



Sign Up

Student Login

Professor Login

Admin Login

PROFESSOR ACCOUNT

Back

First Name: Alex

Last Name: Jake

Email: alex.jake@neu.edu

Username: alex12

Password: *****

