FACIAL RECOGNITION ATTENDANCE SYSTEM

Design Document

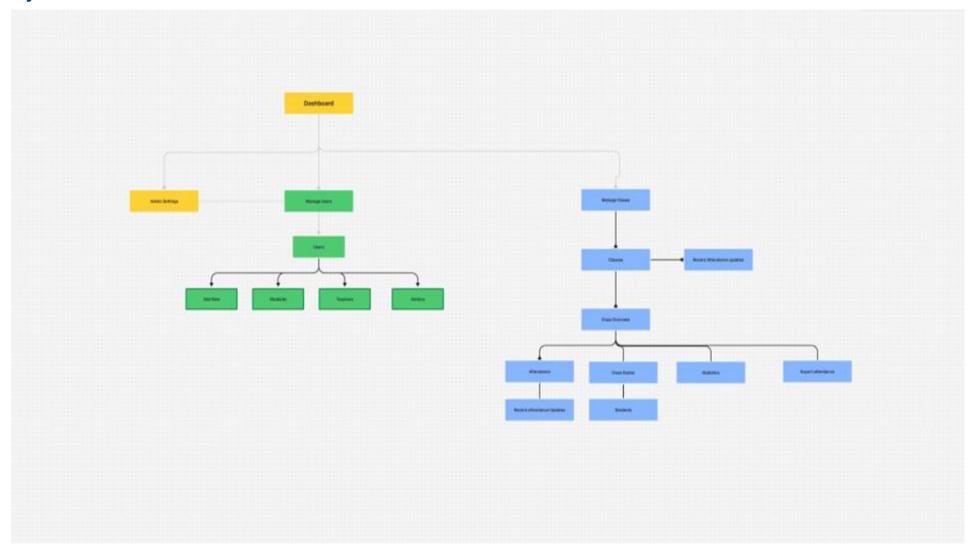
Group 3:

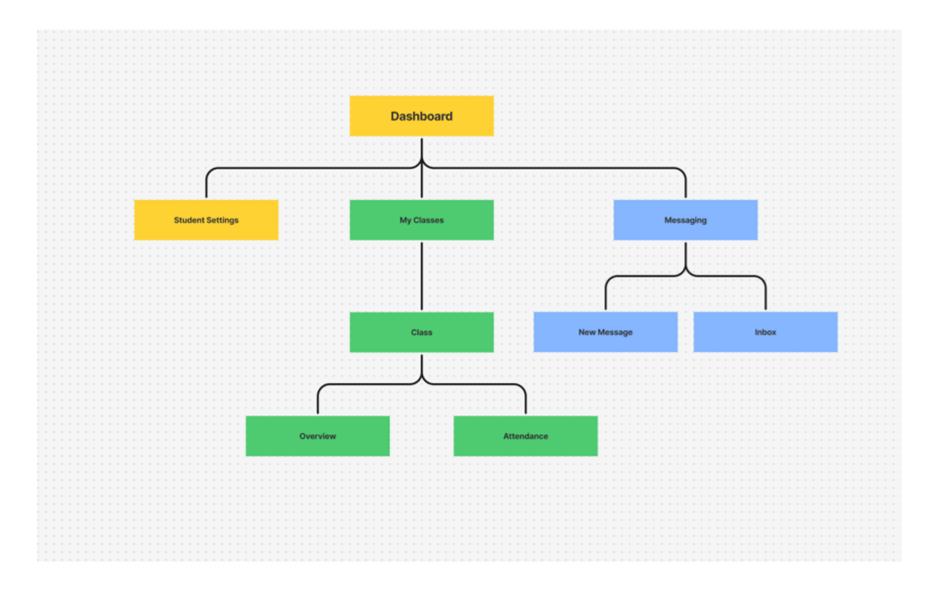
Brendon Stepanek Zain Jamal Maximiliano Hernandez Neel Patel Josh Odega

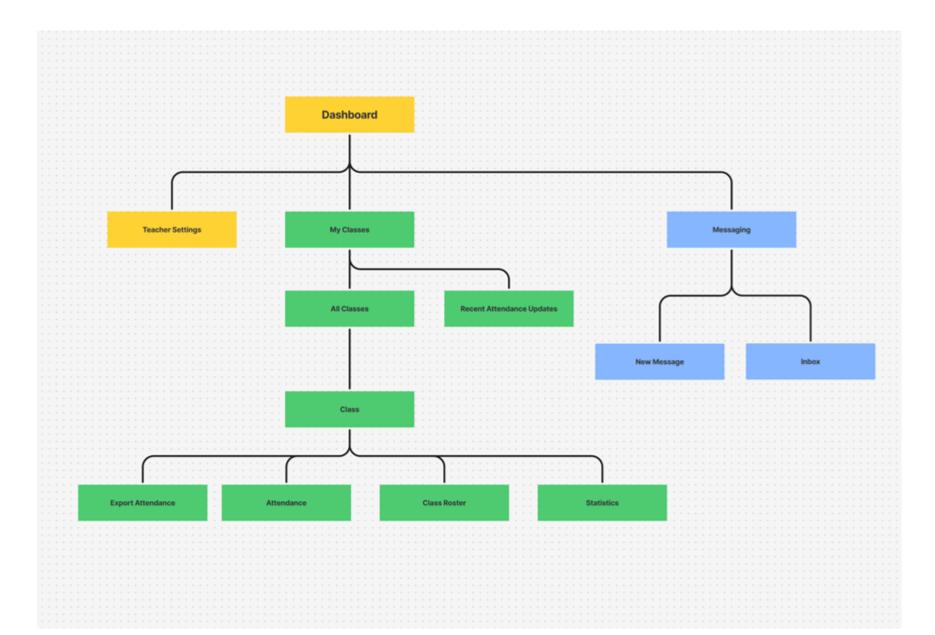
Sponsor:

Diana Rabah

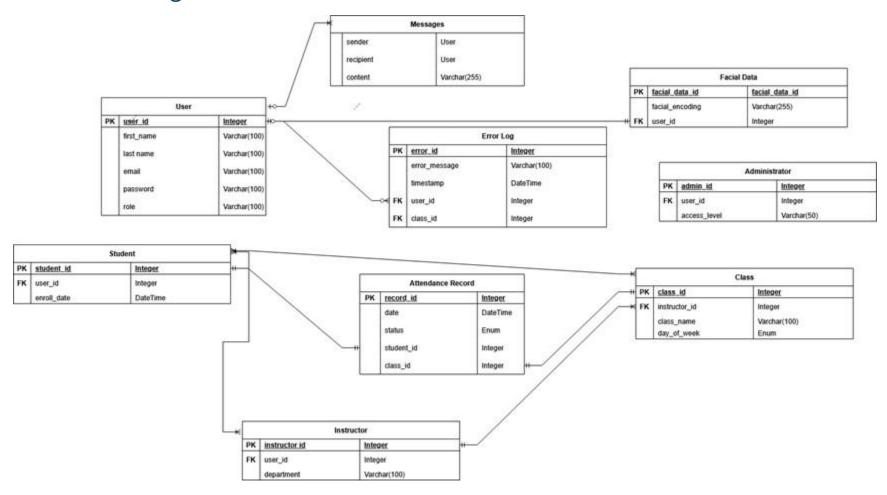
System Information Architecture





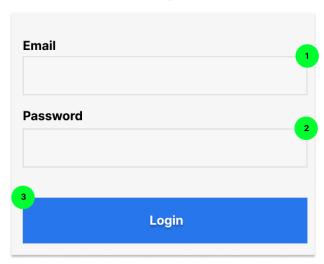


Database Design

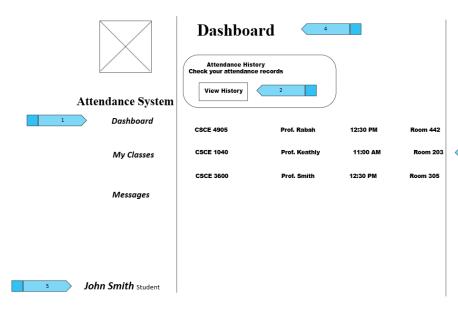


User Interface Design

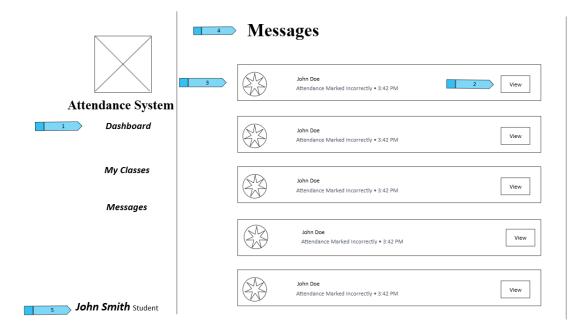
Login



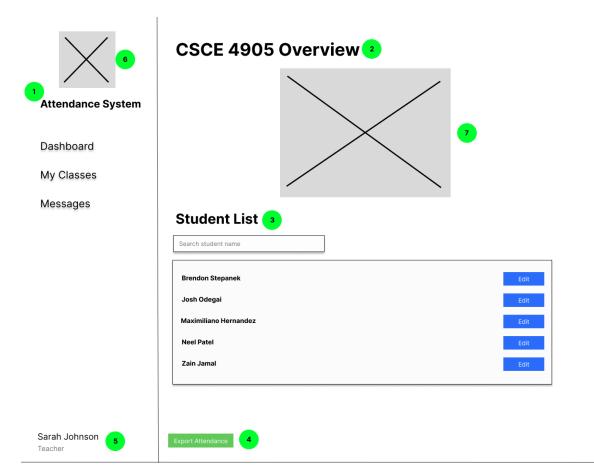
- This is the email input field. It allows users to enter their email.
- This is the password input field. It allows users to enter their email.
- Login button should trigger form validation and redirect users based on role.



- The sidebar will provide quick access to essential sections like Dashboard, My Classes, and Messages. By clicking the Dashboard tab will direct the student to their home dashboard. If they click My Classes it will lead them to a list of the classes they have registered for that semester. Clicking Messages will take the student to a overview of all the open chats they have open with their professors.
- Clicking on view history will take the student to a page where they can see a complete overview of their entire attendance history.
- Each card represents a class the student is registered in, clicking the class will show the student their attendance history for that specific class.
- 4. The page header messages lets the student know what page they are in.
- 5. This section will display the students name as well as their role.



- The sidebar will provide quick access to essential sections like Dashboard, My Classes, and Messages. By clicking the Dashboard tab will direct the student to their home dashboard. If they click My Classes it will lead them to a list of the classes they have registered for that semester. Clicking Messages will take the student to a overview of all the open chats they have open with their professors.
- 2. Clicking on view will take the student to the chat with the professor.
- 3. Each card represents a open chat the student has with a professor, the newest chats are automatically at the ton.
- 4. The page header messages lets the student know what page they are in.
- 5. This section will display the students name as well as their role.



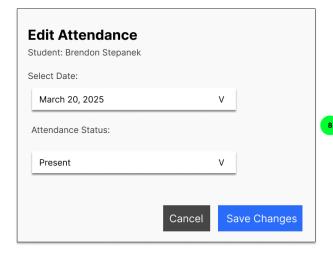
The sidebar will provide quick access to key sections: Dashboard, My Classes, and Messages. Clicking "Dashboard" will direct the user to the dashboard page. Clicking "My Classes" will lead to page that lists all the classes a teacher teaches. Clicking "Messages" will lead to a list of conversations that the teacher has with students. The page header clearly indicates the current section "CSCE 4905 Overview". The "Student List" section will list all the students that are enrolled in the class. It will feature a search bar for teachers to quickly find a specific student. Each student in the list will have have their own "Edit" button that will allow the teacher to modify the student's attendance records manually.

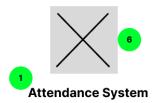
Annotations

This section will display the user's name as well as their user role.

export attendance for a class in PDF or CSV format.

- 6 This represents the logo for our system.
- 7 This will feature a pie chart containing the attendance data. It will be divided by statuses like Present, Absent, and Late.
- Upon clicking the "Edit" button, a modal window will open allowing for the user to select a date and an attendance status.





My Classes

Messages

My Classes 2

All Classes 3





Recent Attendance Updates 4

CSCE 4905	Alice Johnson	Present	(1 hour ago)
CSCE 1040	Jane Smith	Absent	(14 mins ago)
CSCE 3055	John Doe	Late	(4 mins ago)





Annotations

The sidebar will provide quick access to key sections: Dashboard, My Classes, and Messages. Clicking "Dashboard" will direct the user to the dashboard page. Clicking "My Classes" will lead to the currently viewed page. Clicking "Messages" will lead to a list of conversations that the teacher has with students.

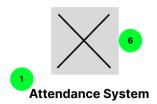
The page header clearly indicates the current section "My Classes".

The "All Classes" will contains each class that a teacher is teaching. Here it shows the number of students enrolled in that class as well as a button to view a detailed class page for each class.

The "Recent Attendance Updates" section will display recent student attendance status updates for specific

This section will display the user's name as well as their

This represents the logo for our system.



My Classes

Messages

Dashboard 2

My Classes 3

CSCE 4905

CSCE 3055

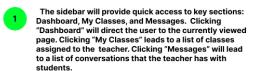
CSCE 1040

Recent Attendance Updates 4



CSCE 4905	Alice Johnson	Present	(1 hour ago)
CSCE 1040	Jane Smith	Absent	(14 mins ago)
CSCE 3055	John Doe	Late	(4 mins ago)

Annotations



The page header clearly indicates the current section "Dashboard".

Each card represents a class that the teacher teaches. Clicking on a class card will redirect the teacher to the class view page.

The "Recent Attendance Updates" section will display recent student attendance status updates for specific classes.

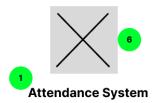
This section will display the user's name as well as their

This represents the logo for our system.

Sarah Johnson

Teacher





My Classes

Messages

Chat with John Doe 2

Hello, I need help with my attendance. 3 Example test to show chat box Type a message...





send the message to the conversation.

Annotations

The sidebar will provide quick access to key sections: Dashboard, My Classes, and Messages. Clicking "Dashboard" will direct the user to the dashboard page. Clicking "My Classes" will lead to page that lists all the

classes a teacher teaches. Clicking "Messages" will lead

The page header clearly indicates the current section "Chat with XYZ student ".

This section contains the conversation between the teacher and their student. Gray text boxes represent the student's messages and blue text boxes represent the

This section contains a text box where the user will begin to type their message before clicking "Send" to

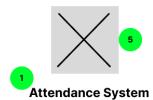
This section will display the user's name as well as their

to the page that displays all of the teacher's ongoing

chat conversations.

teacher's messages.

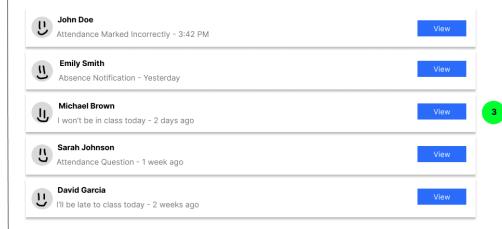
This represents the logo for our system.



My Classes

Messages

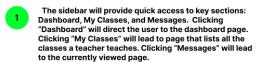
Messages 2

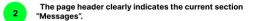


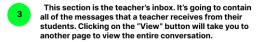


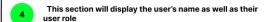


Annotations

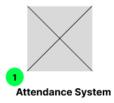








This represents the logo for our system.



Manage Users

Manage Classes



Manage Users

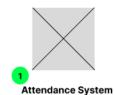


Manage Classes 4





- The sidebar will provide quick access to key sections: Dashboard, Manage User and Manage Classes. Clicking "Dashboard" would direct the user to the currently viewed page. Clicking "Manage Users" leads to a complete list of users on the system. Clicking "Manage Classes" leads to a complete list of classes for the institution.
- The page header clearly indicates the current section 2 "Dashboard"
- The "Manage Users" Card provides another link to allow the user to view the Manage Users page
- The "Manage Classes" Card provides another link to allow the user to view the Manage Classes page
- This section will display the User's name as well as their role.



Manage Users

Manage Classes

Manage Classes 2



Classes

Add New Class

Search for Class:

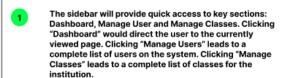


6

Class:	# of Users:	Instructor:	
CSCE 4905.001	32	John Smith	Edit
CSCE 1040.001	56	WIlliam Brown	Edit
CSCE 3955.501	28	Jane Greene	Edit
CSCE 4010.002	107	John Smith	Edit



Annotations



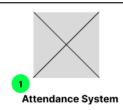
The page header clearly indicates the current section "Manage Classes"

The "Add New Class" Button brings up a prompt where the admin is able to add a class to the

The "Search for Class" section provides a search bar to find a specific class and display only that class on the list

This section will display the User's name as well as their role.

> The "Classes" list lists all classes in the system as well as shows the number of users (Teachers and Students), who is the instructor of the class, and an edit feature to adjust anything related to the class in the system



Manage Users

Manage Classes

Manage Users

All Users

Michael Brown

Jerry Hicks



Users
Add New User

Administrators

Administrator

Student



Students

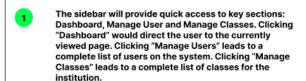
All Classes

CSCE 4905

Search for User:				
Name:	Role:	Classes:		
John Smith	Teacher	CSCE 4905, CSCE 1040	Edit	
Emily Davis	Student	CSCE 1040	Edit	

Teachers





The page header clearly indicates the current section "Manage Users"

The "Add New User" Button brings up a prompt where the admin is able to add a user to the system

The "Search for User" section provides a search bar to find a specific user as well as filters to narrow down the list depending on role

6

Edit

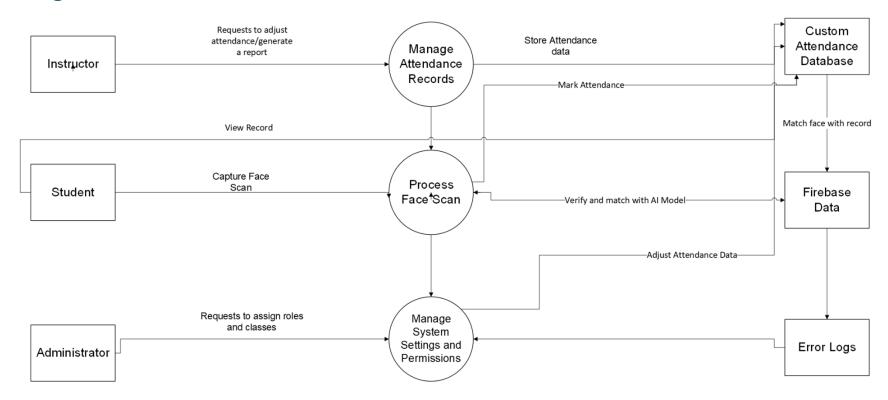
Edit

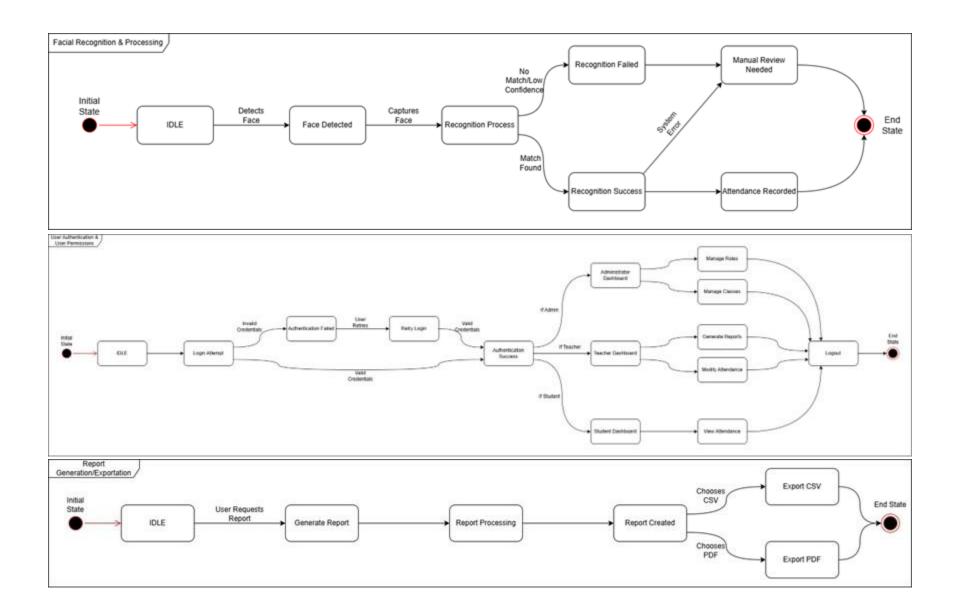
This section will display the User's name as well as their role.

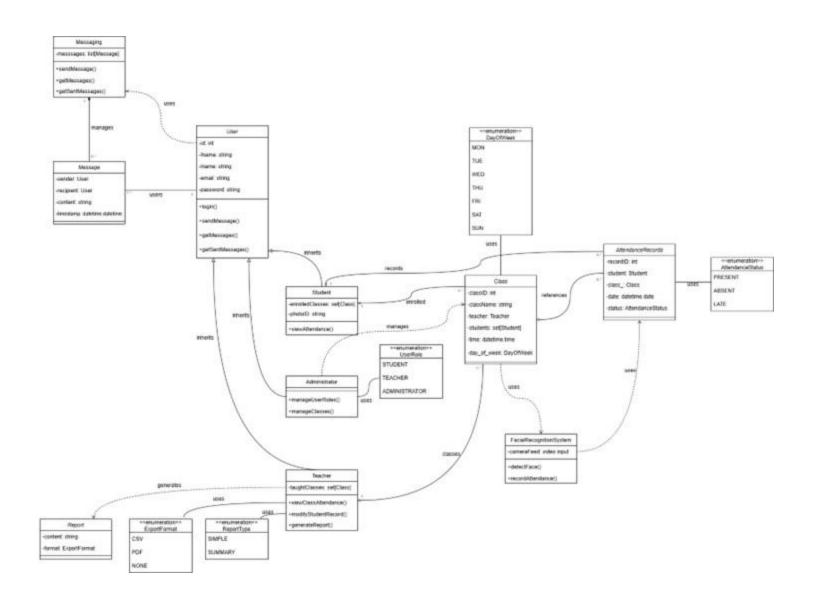
The "Users" list lists all users in the system as well as shows their role, classes they have access to, and an edit feature to adjust anything related to the user in the system

5 Admin User

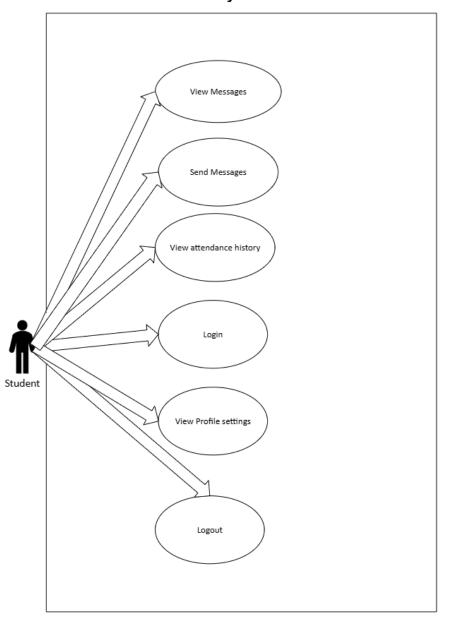
Diagrams and Models



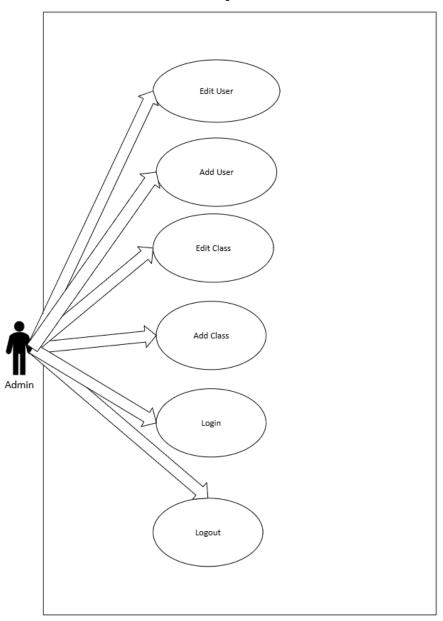




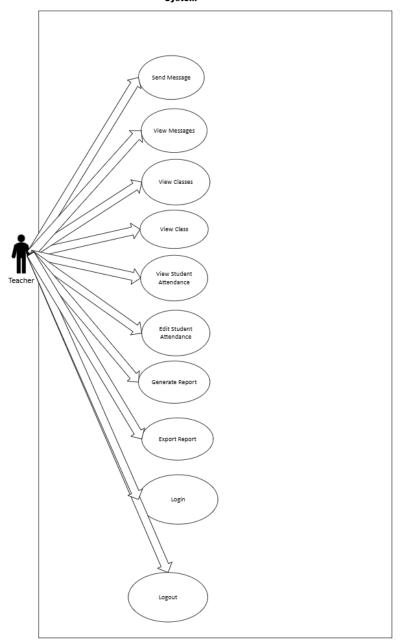
Facial Recognition Attendance System



Facial Recognition Attendance System



Facial Recognition Attendance System



Logo

