

Attendance Management System Project

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Abstract

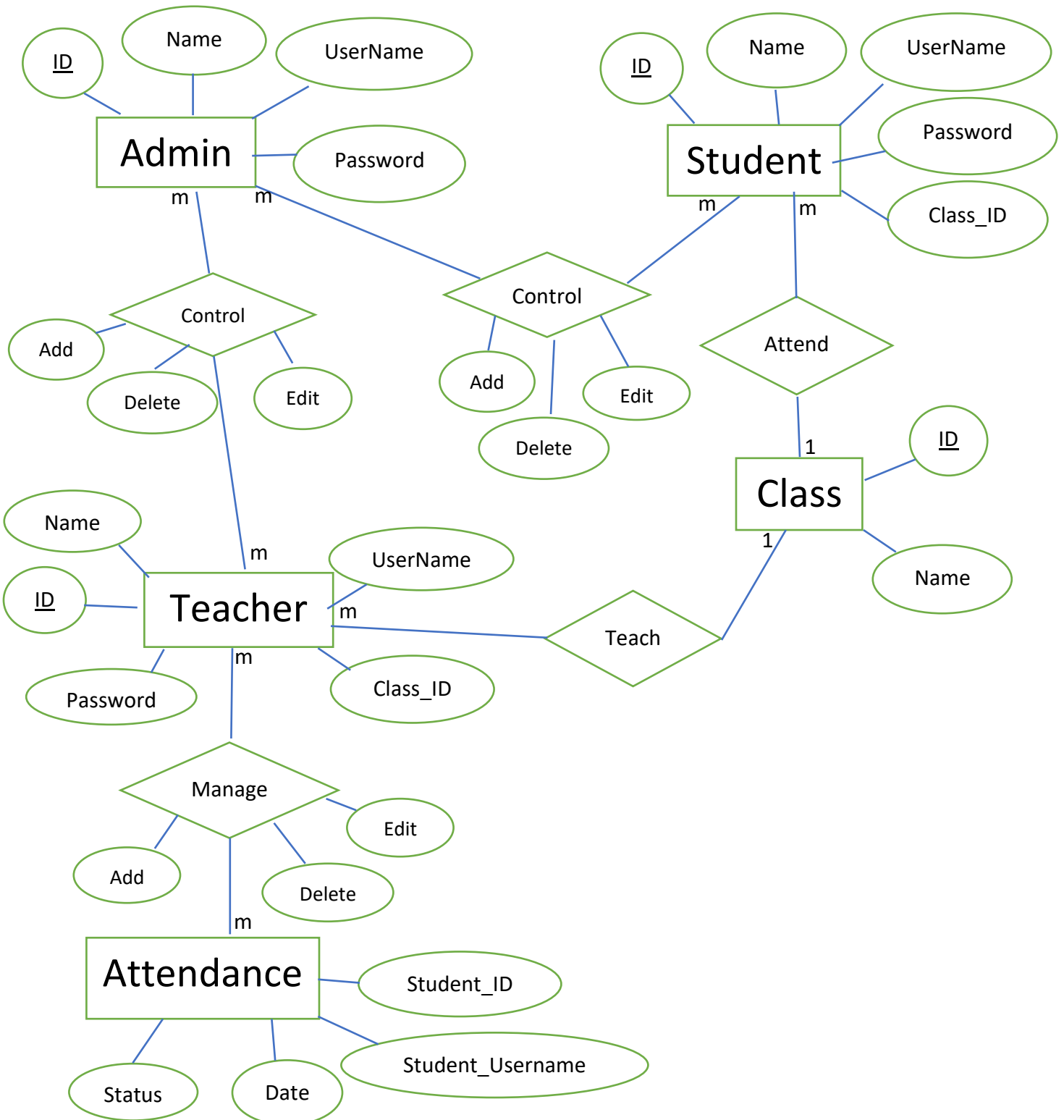
Attendance management System is a GUI-based project used with the swing module to manage the attendance of students.

It contains an admin module; the admin plays an important role in the management of this system as he/she can control and organise the number of teachers and students who can access the system.

The system contains also a teacher module which can manage the attendance of students by Add, Edit or Delete. And the student module which can see his/her attendance of class.

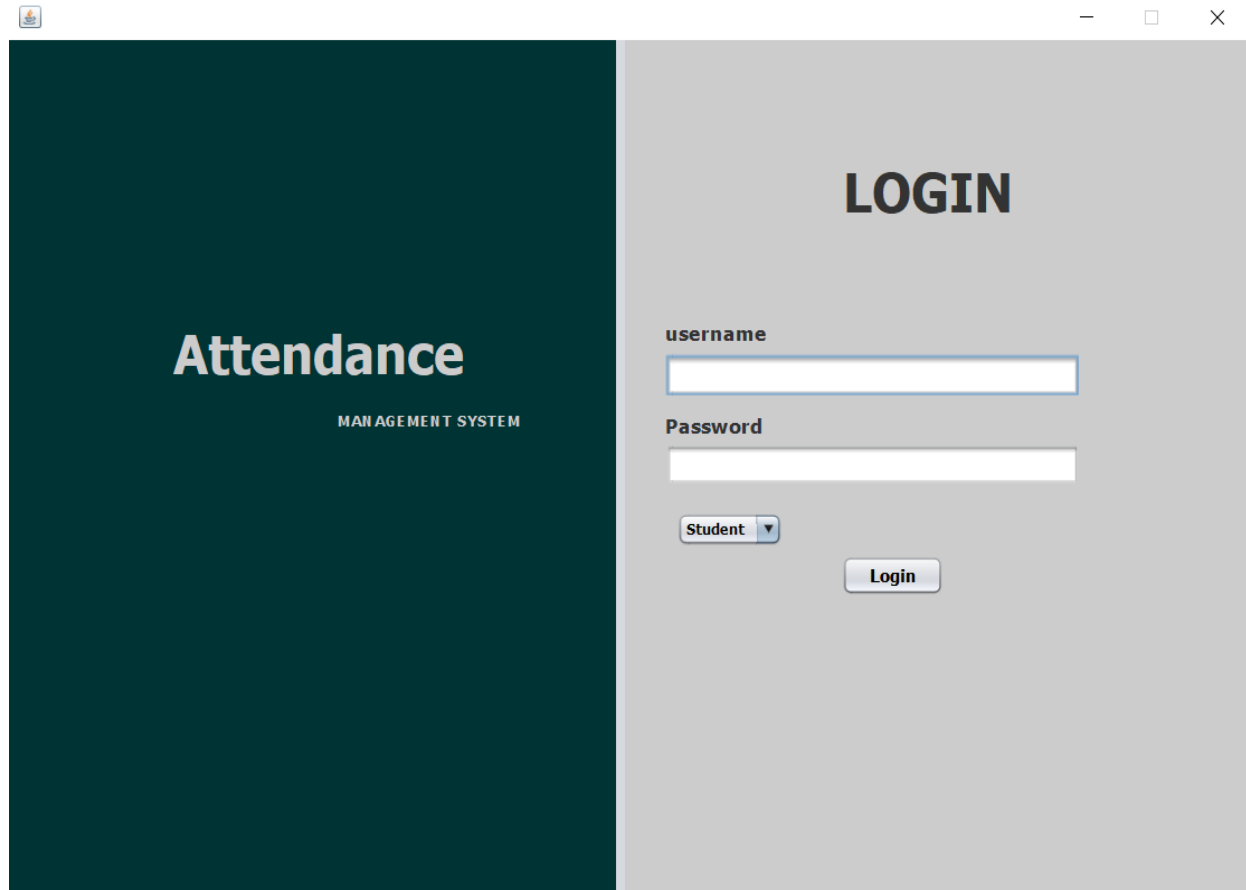
This system is in NetBeans IDE and supports MySQL as backend.

Entities Relationship Diagram (ERD)



Project User Interface

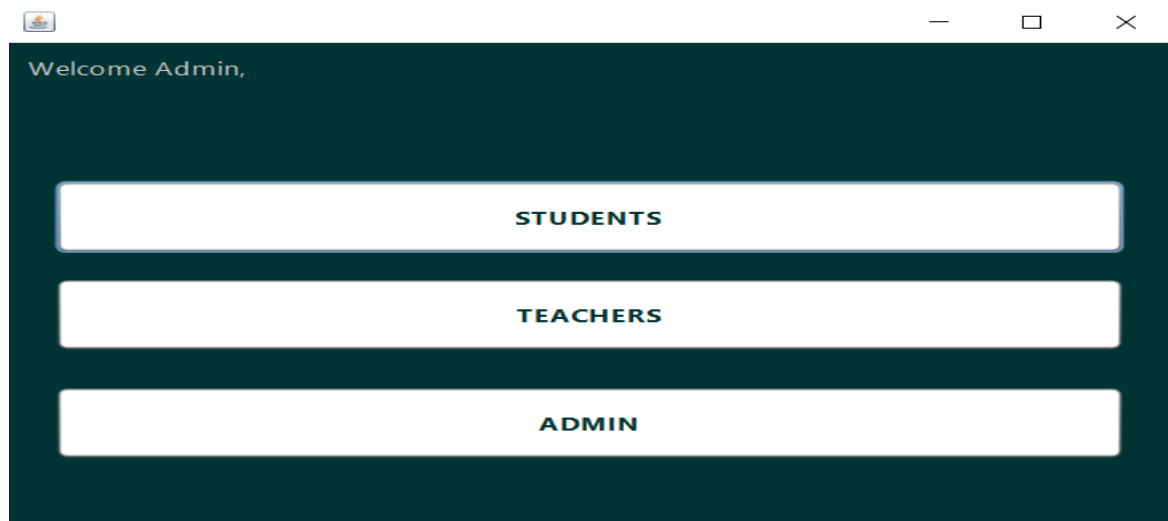
1-Login module



The screenshot displays the login module of the Project User Interface. It features a split layout. The left side is a dark green panel with the text "Attendance" in large white font, and "MANAGEMENT SYSTEM" in smaller white font below it. The right side is a light gray panel with the title "LOGIN" in bold black font. Below the title, there are two input fields: "username" and "Password". Below the "Password" field, there is a dropdown menu currently showing "Student". At the bottom right of the right panel, there is a "Login" button.

In the Login GUI you can enter your username and password to log in to your homepage. If something went wrong, it will be displayed in Joption pane.

2-Home page for admin



Each button shown on the page opens the respective window. You can add, edit and delete the items from it.

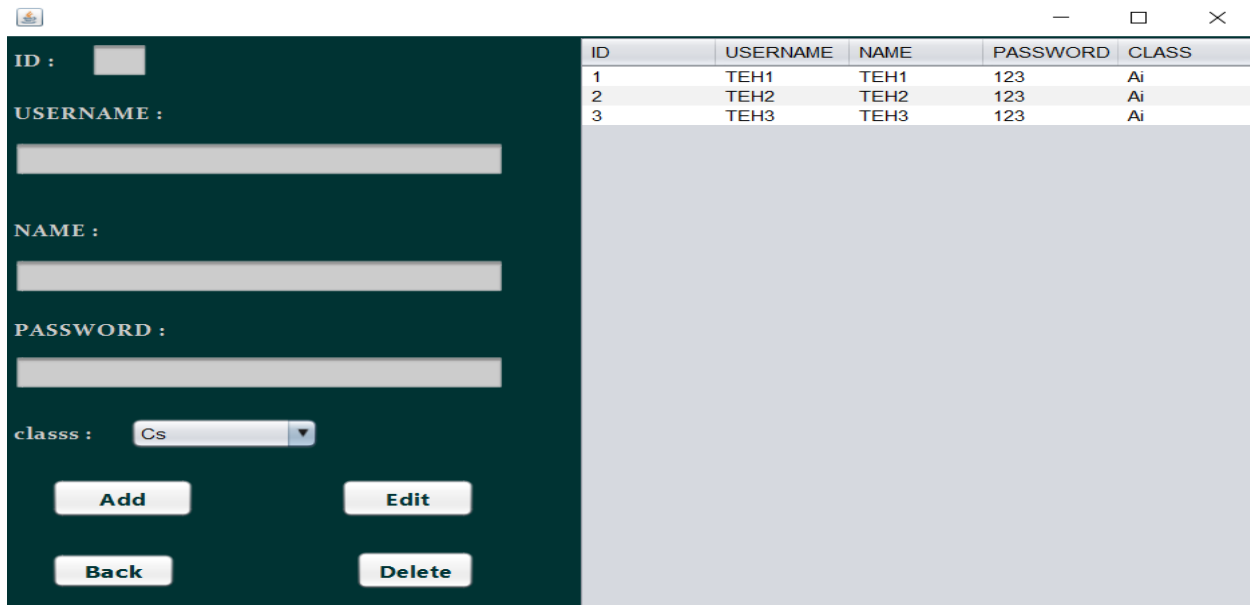
3-Admin user control module

A screenshot of a web application window titled "Admin user control module". The window is split into two main sections. On the left, there is a dark green sidebar with a form for adding or editing admin users. The form has labels for "ID :", "USERNAME :", "NAME :", and "PASSWORD :", each followed by a white input field. Below the input fields are four buttons: "Add", "Edit", "Back", and "Delete". On the right, there is a table with a light blue header and a light gray body. The table has four columns: "ID", "USERNAME", "NAME", and "PASSWORD". It contains two rows of data.

ID	USERNAME	NAME	PASSWORD
1	Admin1	Admin1	123
2	Admin2	Admin2	123

You can add the admin details here. His/Her name, Username which is required to login and the password which used for login.

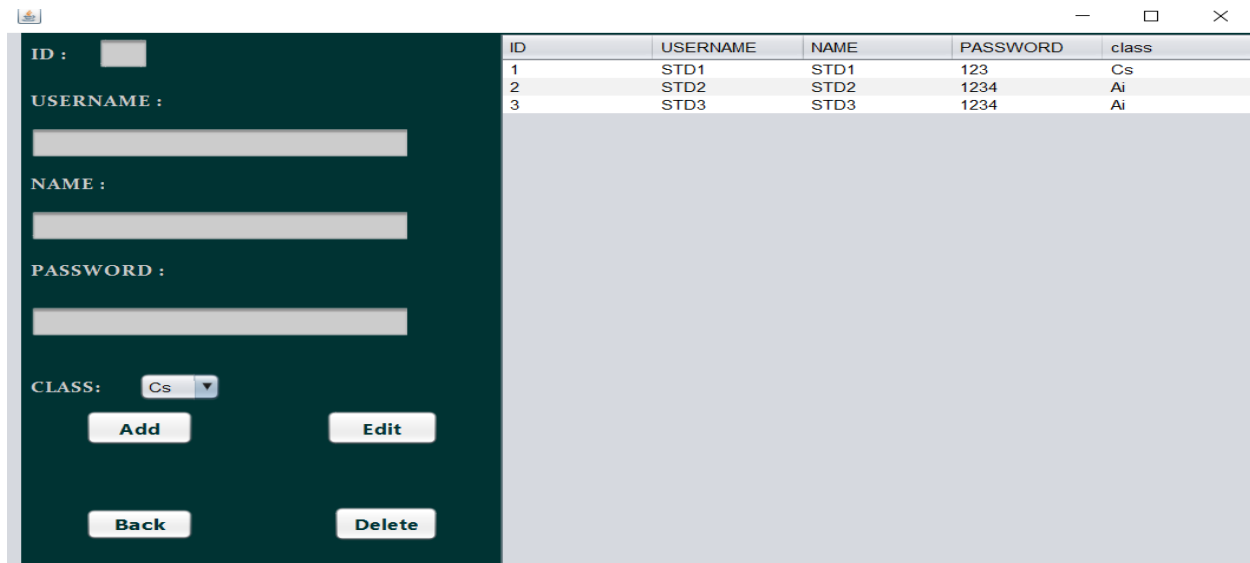
4-Teacher control module



ID	USERNAME	NAME	PASSWORD	CLASS
1	TEH1	TEH1	123	Ai
2	TEH2	TEH2	123	Ai
3	TEH3	TEH3	123	Ai

This window is the same as the admin. Here you can create changes in the teacher's database.

5- Student control module



ID	USERNAME	NAME	PASSWORD	class
1	STD1	STD1	123	Cs
2	STD2	STD2	1234	Ai
3	STD3	STD3	1234	Ai

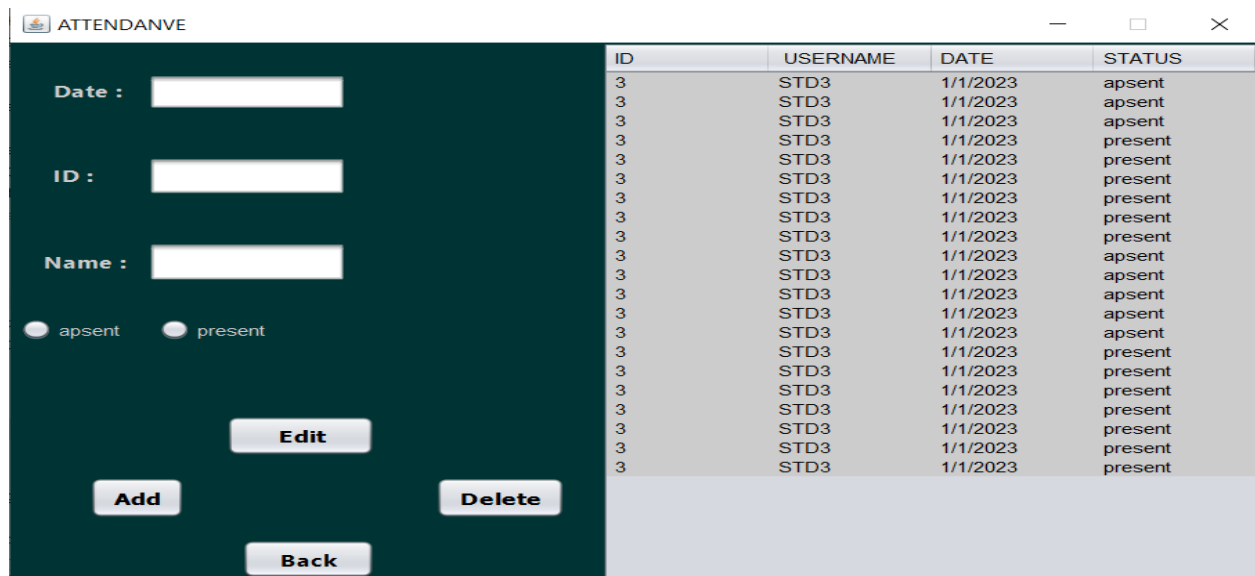
A window similar to that we have seen in the admin and teacher control module.

6-Home page for teachers



Here we can see the button of managing attendance of students.

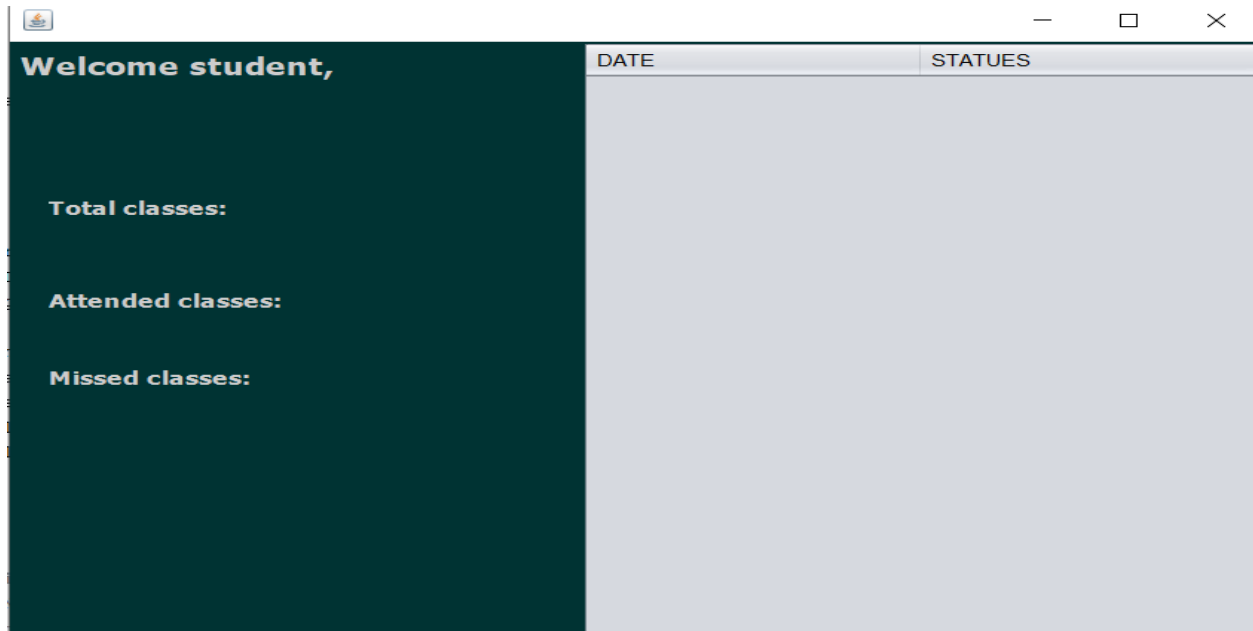
7- Manage attendance



ID	USERNAME	DATE	STATUS
3	STD3	1/1/2023	absent
3	STD3	1/1/2023	absent
3	STD3	1/1/2023	absent
3	STD3	1/1/2023	present
3	STD3	1/1/2023	present
3	STD3	1/1/2023	present
3	STD3	1/1/2023	present
3	STD3	1/1/2023	present
3	STD3	1/1/2023	present
3	STD3	1/1/2023	absent
3	STD3	1/1/2023	absent
3	STD3	1/1/2023	absent
3	STD3	1/1/2023	absent
3	STD3	1/1/2023	absent
3	STD3	1/1/2023	present
3	STD3	1/1/2023	present
3	STD3	1/1/2023	present
3	STD3	1/1/2023	present
3	STD3	1/1/2023	present
3	STD3	1/1/2023	present

This window is designed to manage the attendance of students by specifying the date, the student name and the student ID to view its attendance ,add, edit or delete any item of the table as shown.

8- Home page for students



This is the interface for students. No buttons are included. The home page is designed to show all the details of the attendance.

Conclusion

Finally, in the student attendance management system, the outcome of all the hard work done for the project. It is software to help the user to work with the attendance and updating data.

The user interface of it is very friendly and can be easily used by anyone. It also decreases the amount of time taken to write details and other models. All the details about students, teachers and their other tasks can only be seen by the verified users.

In the end, we can say that this software is performing all the tasks accurately and is doing the work for which it is made and this system can be implemented in N numbers of colleges and schools.