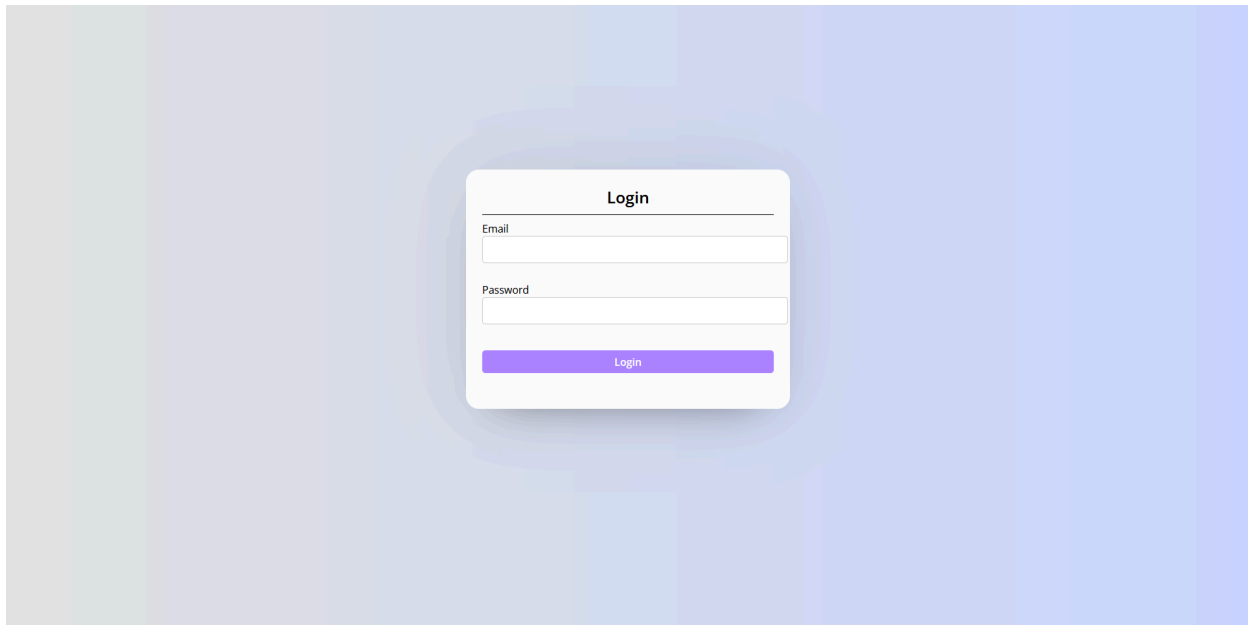


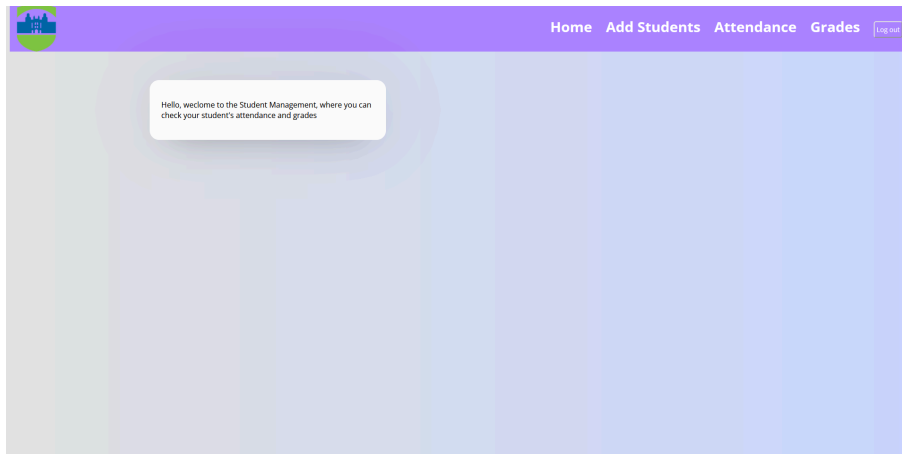
**HTML(This just highlights the visual page of the html tab):**

Login Page:




A screenshot of a login page with a light blue background featuring vertical stripes. In the center, there is a white rounded rectangle with a subtle shadow. Inside this rectangle, the word "Login" is centered at the top. Below it are two input fields: the first is labeled "Email" and the second is labeled "Password". At the bottom of the rectangle is a solid blue button with the word "Login" in white text.

Home Page:



Adding Students to the database page:



HomeAdd StudentsAttendanceGradesLog out

Add Students to your course

Student's ID

Student's First Name

Student's Last Name

Student's Email


Student's password

Course ID

Grade

Add Student

Attendance page:



HomeAdd StudentsAttendanceGradesLog out

Attendance

First Name	Last Name	Student ID	Course Name	Date	Status
Herbert	Lehman	1	Math 101	2025-03-10	Present
Herbert	Lehman	1	Math 101	2025-03-11	Absent
Herbert	Lehman	1	Math 101	2025-04-04	Present
Aaron	Jurige	2	Intro to Computer Science	2025-03-10	Absent
Aaron	Jurige	2	Intro to Computer Science	2025-03-11	Present
Aaron	Jurige	2	Intro to Computer Science	2025-04-04	Absent

Add to Attendance

Student ID

course ID

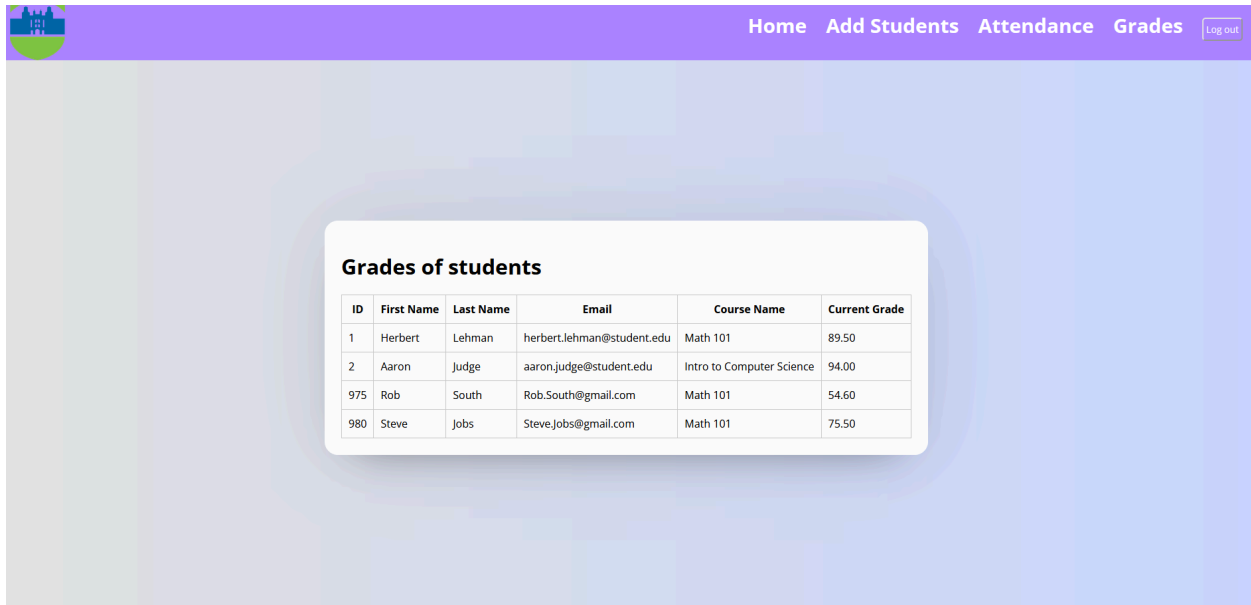
Date

mm / dd / yyyy

Status

Insert Attendance

## Grades:



ID	First Name	Last Name	Email	Course Name	Current Grade
1	Herbert	Lehman	herbert.lehman@student.edu	Math 101	89.50
2	Aaron	Judge	aaron.judge@student.edu	Intro to Computer Science	94.00
975	Rob	South	Rob.South@gmail.com	Math 101	54.60
980	Steve	Jobs	Steve.Jobs@gmail.com	Math 101	75.50

The HTML section contains 5 pages. The Login is the beginning to log in and then you are brought to your homepage with 4 tabs that bring you to different pages which are home, Add students tab, Attendance tab and grades section. All of this makes it a very simple experience for the teacher can easily navigate to the site and quickly add in the information that is needed, and for the teacher to quickly view the necessary tables from the database such as attendance and grades.

First page is the login page, looks fairly simple from the outside but the work done is important on navigating the site as it only allows data only recognized from the mysql script in order to get through the site, if you enter the wrong information you'll be redirected to the login page to try again until you log in successfully with the right teacher email and staff password is then you'll be able to have access to the rest of the website.

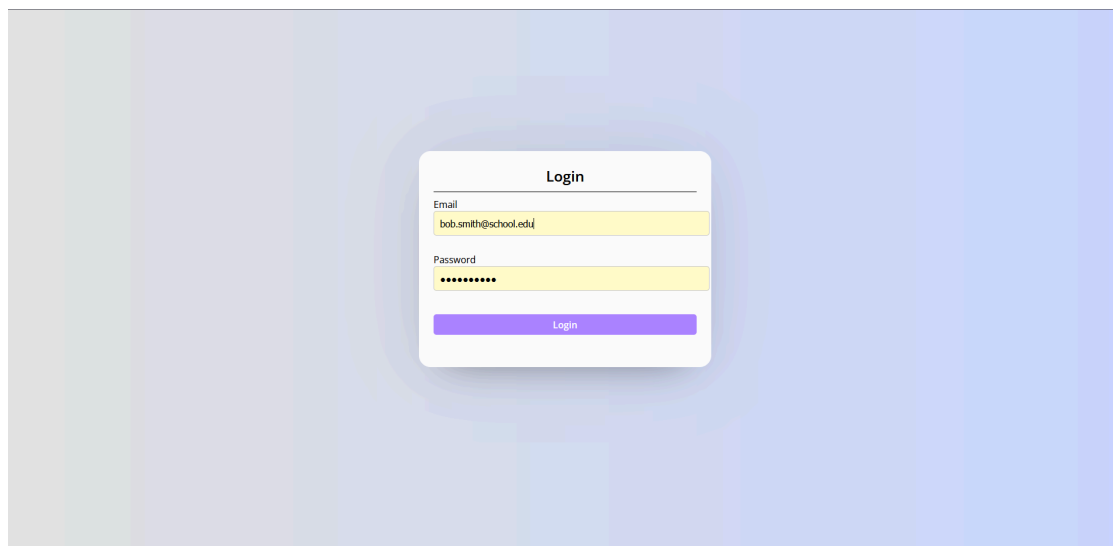
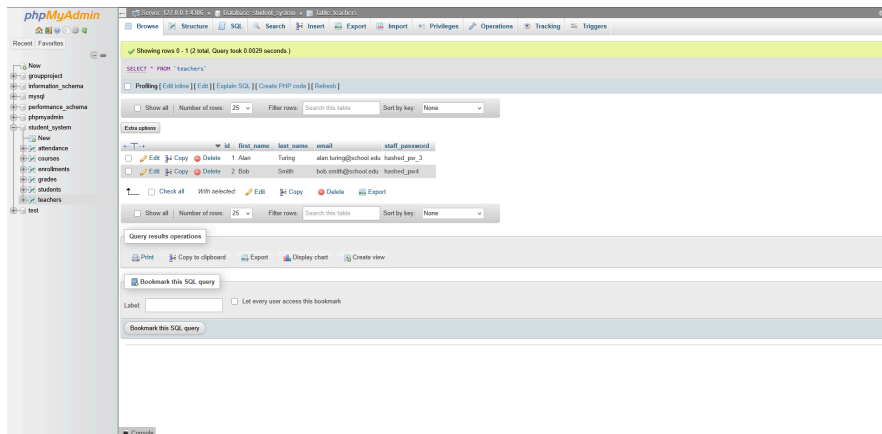
The home page is quite simple, it just welcomes you to the site once you log in but a real essential tool is the navigation bar from above, each section directs you to another page where the teacher wants to access, and once they think they are done with all the data they can simply log out. Another cool visual feature added was about once your mouse hovers over the button it changes to a different color. Once you get through the home page and log now it's time to focus on the first tab, which is the Add Students section.

The add student page is where the teacher will get to add data to the student table, enroll the student into the course and add in their grade to the database. In just one page three different tables are filled and affected, making it extremely efficient for the teacher to avoid access pages, all you have to do is fill out all the information but make sure everything is filled and the id and email are unique and you should be able to get through without any errors. Once you fill out the page you'll get to see the newly added information in the grades section. all the

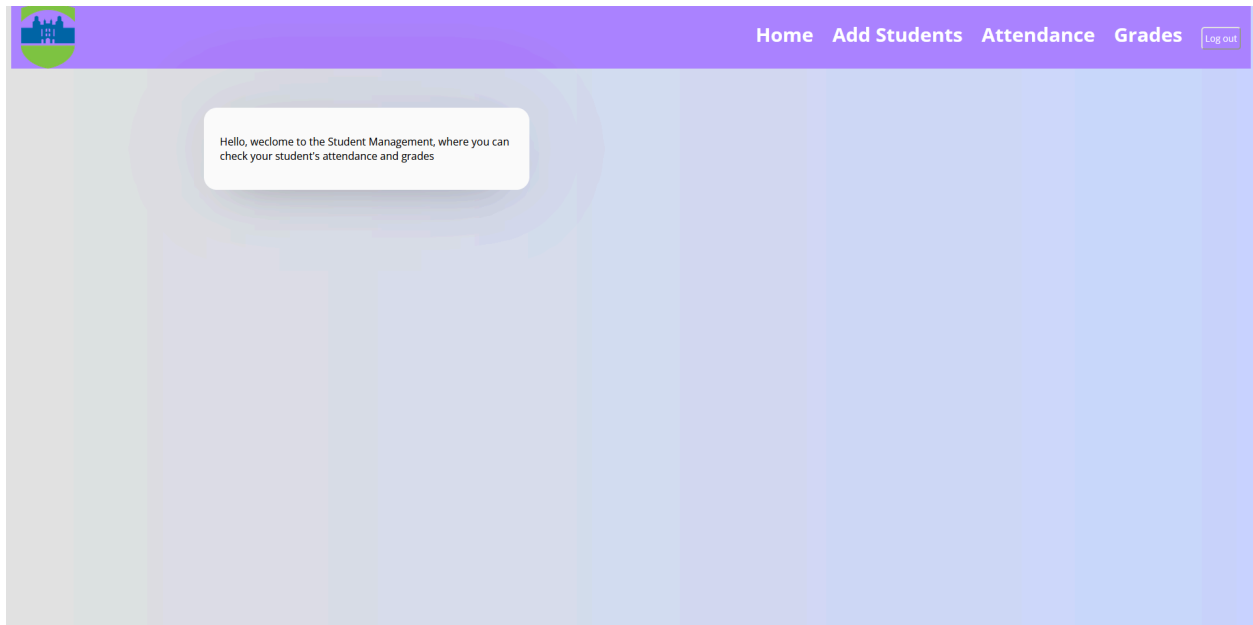
important data from three separate tables are on display using join commands in php, so the teacher can digest the necessary information they need whenever they are checking this table.

Lastly to show off is the attendance page where there are two sections to it of this one page, above it is just the attendance table showcasing all the attendance the teacher has filled out throughout the year and below is how the teacher is able to add in to the attendance data. You just have to make sure you'll be able to remember the student's id and their course id in order to correctly assort their attendance of the class they're attending, once that is correct all you have to do is fill out the date and whether they are present or absent, and that is all. You are then greeted with a message and the table will be added with new data.

Quick guide on navigating through the website:



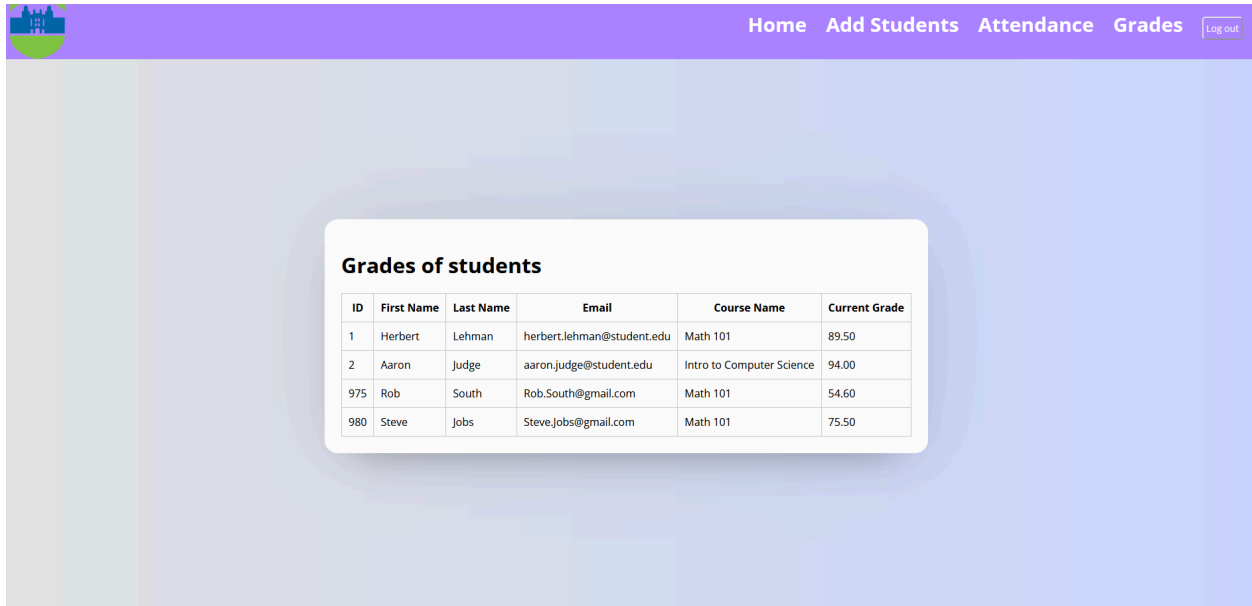
Have to make sure you enter the correct information or else you are greeted with an error message, once you get through you will then enter the home page,



The first message you will see from the website you are then able to access any of the pages above by just clicking on them

A screenshot of the 'Add Students to your course' form. The form is centered on a light blue background. It has a title 'Add Students to your course' and several input fields: 'Student's ID' (505), 'Student's First Name' (John), 'Student's Last Name' (Wick), 'Student's Email' (John.wick@email.com), 'Student's password' (56456), 'Course ID' (1), and 'Grade' (65.70). Each field has a small 'x' icon to its right. At the bottom of the form is a purple button labeled 'Add Student'.

With this you have to make sure the Student ID is unique and the email as well, make sure you enter the right course ID then you'll be able to get through without errors. You'll then be redirected to the home page and once you get back to the grades page you'll see...

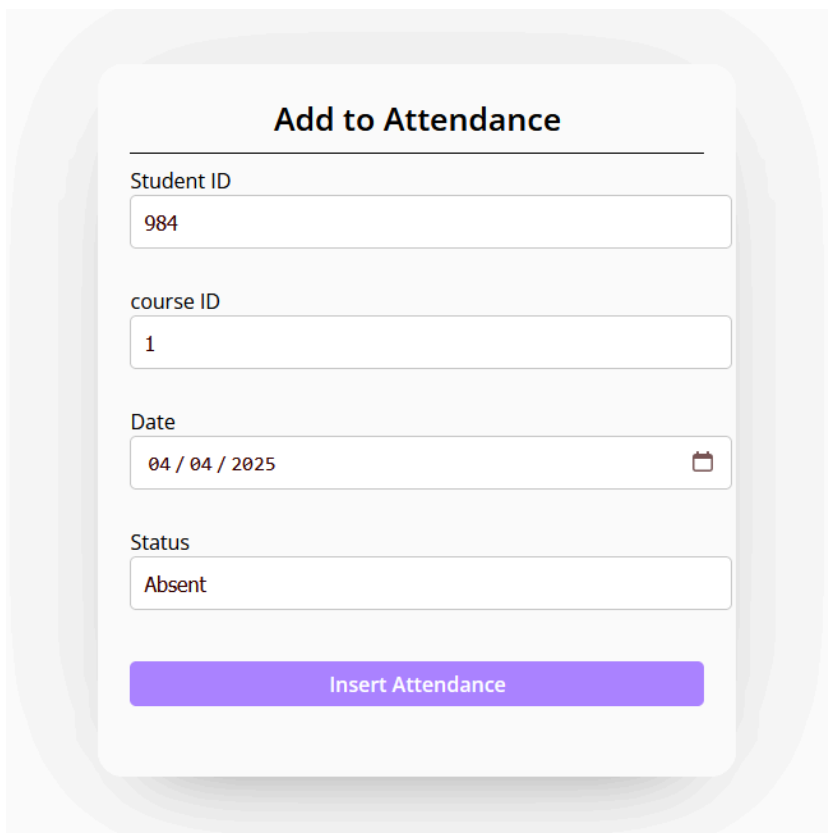


Home Add Students Attendance Grades [log out](#)

### Grades of students

ID	First Name	Last Name	Email	Course Name	Current Grade
1	Herbert	Lehman	herbert.lehman@student.edu	Math 101	89.50
2	Aaron	Judge	aaron.judge@student.edu	Intro to Computer Science	94.00
975	Rob	South	Rob.South@gmail.com	Math 101	54.60
980	Steve	Jobs	Steve.Jobs@gmail.com	Math 101	75.50

The table has entered new information and it is the same information you have previously entered.



### Add to Attendance

Student ID

984

course ID

1

Date

04 / 04 / 2025

Status

Absent

Insert Attendance

Next, once you click attendance, you'll see the table but it is not until you scroll down you'll get to see the attendance form. once again, make sure the student id is correct, make sure you

know what course they are taking and it should fine with no errors

## Attendance

First Name	Last Name	Student ID	Course Name	Date	Status
Herbert	Lehman	1	Math 101	2025-03-10	Present
Herbert	Lehman	1	Math 101	2025-03-11	Absent
Herbert	Lehman	1	Math 101	2025-04-04	Present
John	Wick	984	Math 101	2025-04-04	Absent
Aaron	Judge	2	Intro to Computer Science	2025-03-10	Absent
Aaron	Judge	2	Intro to Computer Science	2025-03-11	Present
Aaron	Judge	2	Intro to Computer Science	2025-04-04	Absent

You'll see the newly added information is now added to the table!

[Home](#) [Add Students](#) [Attendance](#) [Grades](#)

[Log out](#)

Once you are done looking through your information you can simply log out and once you hover over the button you can see the button get darker and you'll be able to click it and you will be brought back to the logout screen.

## Add to Attendance

---

Student ID

984

course ID

1

Date

04 / 04 / 2025



Status

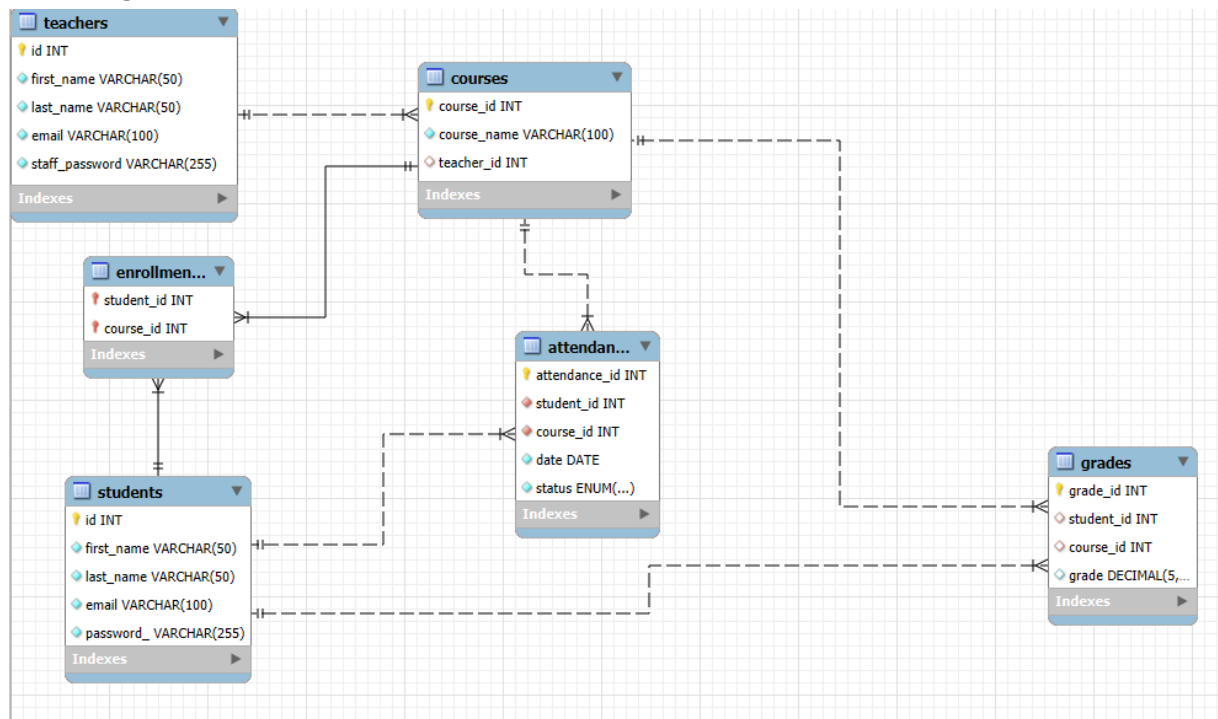
Absent

Insert Attendance



Page with the database - Alfredo Rosario:

## EER Diagram



The EER diagram for the Student Grading and Attendance System consists of six interconnected tables that represent the essential components of a classroom management system. The students table stores each student's personal information and hashed login credentials, while the teachers table does the same for instructors. The courses table links directly to the teachers table through a foreign key (teacher\_id), indicating which teacher is responsible for each course.

To establish which students are taking which courses, the enrollments table models a many-to-many relationship between students and courses using a composite primary key (student\_id, course\_id). Student performance is tracked in the grades table, which records individual grades for each course a student is enrolled in. It references both the students and courses tables via foreign keys. Additionally, student attendance is monitored through the attendance table, which logs daily presence or absence for each student in a course, along with the date and status. Like grades, the attendance table also uses foreign keys to link students and courses.

This structure allows the system to support secure logins, flexible course assignments, and accurate academic tracking. With well-defined relationships and constraints, the schema ensures data integrity while enabling efficient retrieval of performance and attendance data through SQL joins.