

Summary of the improvements for the Attendance App:

<https://github.com/abarjis/AttendanceApp>

Database:

- 1- Removed the student and teacher tables.
- 2- Created a user table with a row for roles to be stored in the database.
- 3- Email is now the primary key.
- 4- We can store the attendance with email as a primary key.

Server:

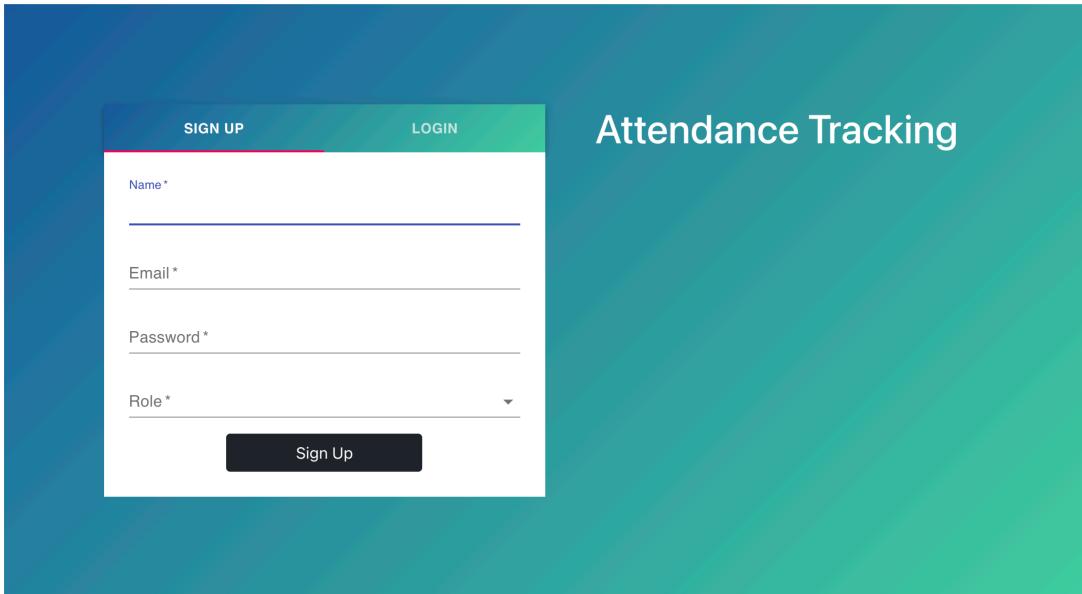
- 1- Introduced bcrypt to hash every password with salt before storing it.
- 2- Introduced session, when the client makes a login request to the server, the server will create a session and store it on the server-side. When the server responds to the client, it sends a cookie. This cookie will contain the session's unique id stored on the server, which will now be stored on the client.
- 3- Created signup and logout functions.
- 4- Unified all routes to the user route.
- 5- Added a new route to list all classmates of the same class.
- 6- Refactored the controller file.

Client:

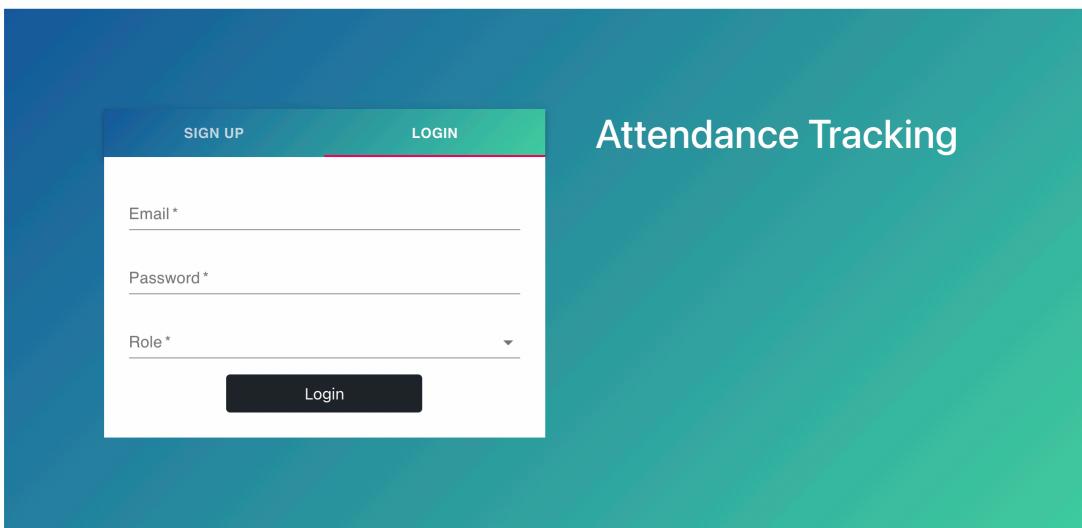
- 1- Modified the entire UI for a better user experience.
- 2- Introduced a new tab to login/signup users.
- 3- Role input is now a dropdown, in addition students signing up are now able to pick which class or section they are signing up for.
- 4- Added a logout button to clear the session.
- 5- Created a new table to show classmates with their emails in the Student Dashboard.
- 6- autocomplete="off"; It tells the browser not to save data inputted by the user for later autocompletion on similar forms. It stops the browser from caching form data in the session history.

Below are screenshots of the improved UI:

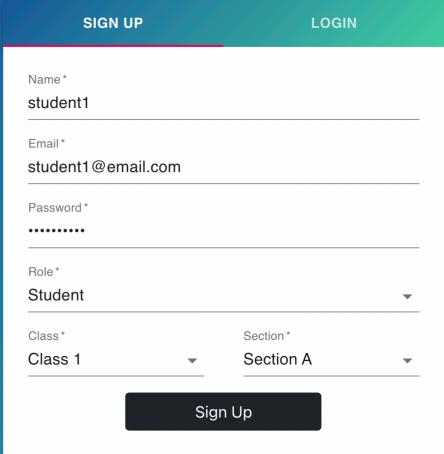
Sign Up / Login Page



Attendance Tracking

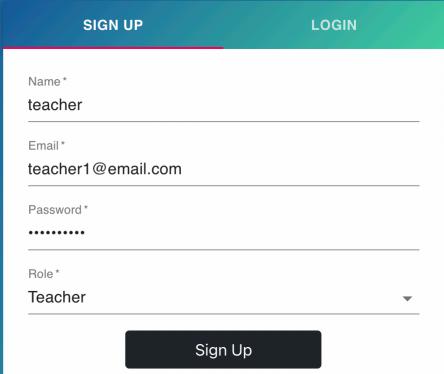


Student / Teacher Sign Up:



The sign-up form for a student has a green header with 'SIGN UP' and 'LOGIN' buttons. It includes fields for Name*, Email*, Password*, Role*, Class*, and Section*. The 'Role' field is set to 'Student', 'Class' to 'Class 1', and 'Section' to 'Section A'. A 'Sign Up' button is at the bottom.

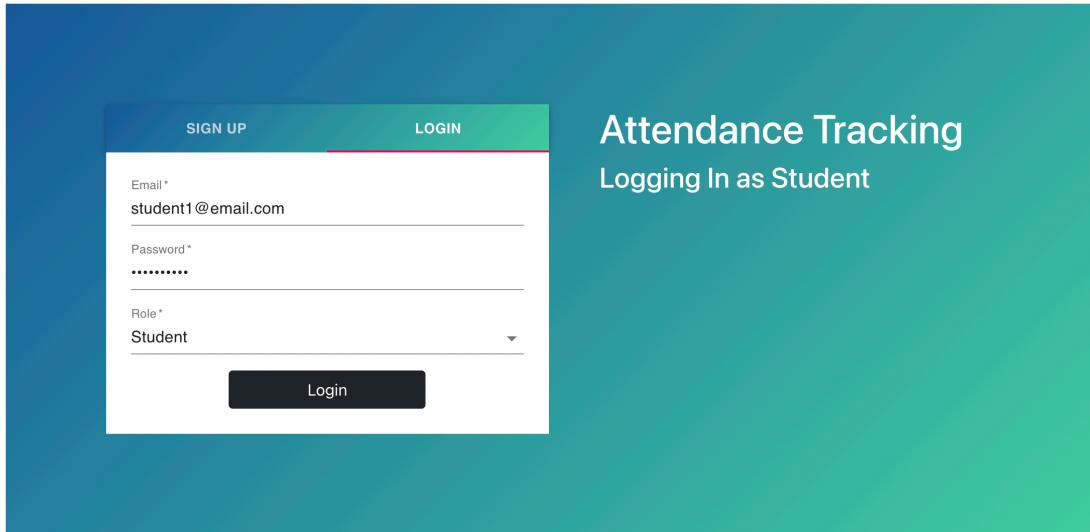
Attendance Tracking
Logging In as Student



The sign-up form for a teacher has a green header with 'SIGN UP' and 'LOGIN' buttons. It includes fields for Name*, Email*, Password*, Role*, Class*, and Section*. The 'Role' field is set to 'Teacher', 'Class' to 'Class 1', and 'Section' to 'Section A'. A 'Sign Up' button is at the bottom.

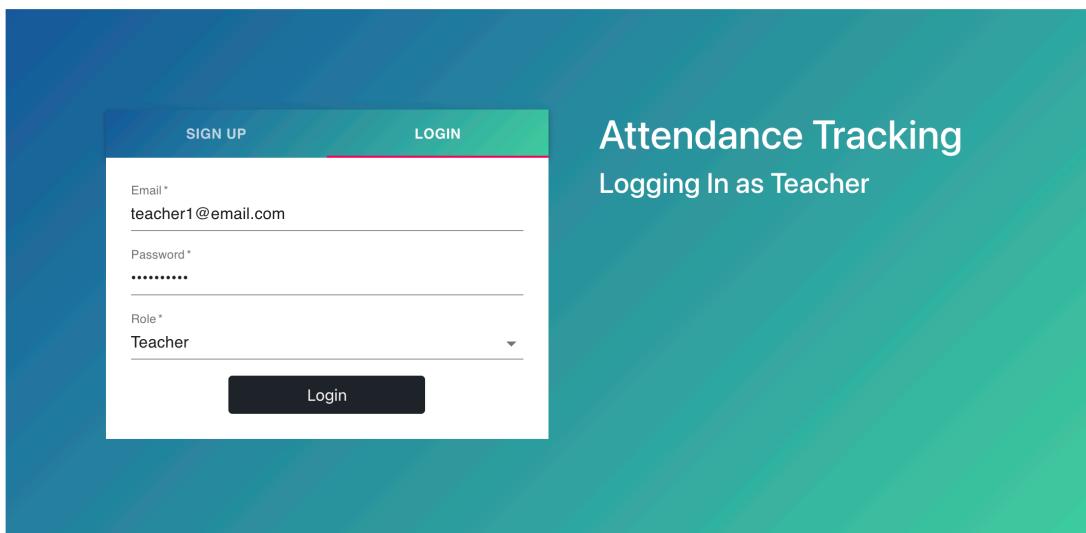
Attendance Tracking
Logging In as Teacher

Student / Teacher Login:



Attendance Tracking

Logging In as Student



Attendance Tracking

Logging In as Teacher

Teacher Dashboard:

Welcome to Teacher's Dashboard

[Logout](#)

List Of Classes

Class 1

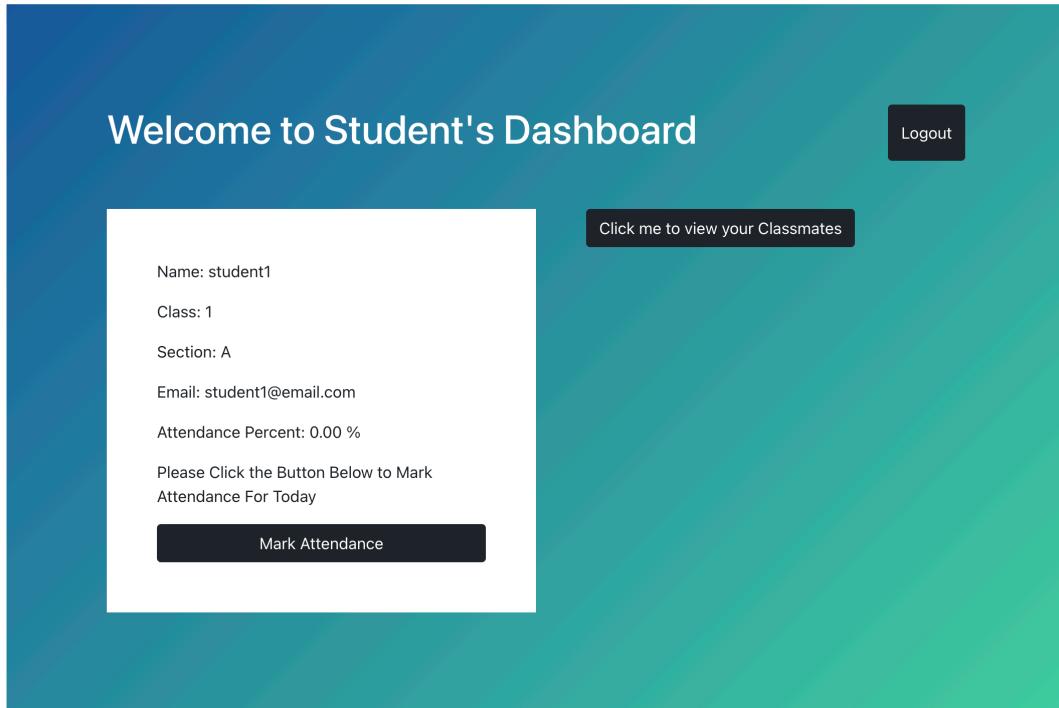
- Class 2
- Class 3
- Class 4
- Class 5

Student List of Class 1

Overall Percentage 1.50%

Name	Class	Section	Email	Attendance% (1 Month)
salastudent	1	A	sala1@email.com	3.33
student1	1	A	student1@email.com	3.33

Student Dashboard:



Welcome to Student's Dashboard

Name: student1

Class: 1

Section: A

Email: student1@email.com

Attendance Percent: 0.00 %

Please Click the Button Below to Mark Attendance For Today

Logout

Click me to view your Classmates

Mark Attendance

Name	Email	Section
salastudent	sala1@email.com	A