

CA400 - User Manual



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[Link to the Echo Labs web app:](#)

<https://floating-mountain-64326.herokuapp.com/login>

SIGN UP/LOGIN

Two side-by-side screenshots of the Echo Labs web application's authentication interface. The left screenshot shows the "Sign Up" form with fields for Email (containing "signup@mail.com"), Password (masked with dots), and Confirm Password. Below the fields is a blue "Sign Up" button, and at the bottom are links for "Forgot password?" and "Already have an Account? Log in". The right screenshot shows the "Sign In" form with fields for Email (containing "signup@mail.com") and Password (masked with dots). Below the fields is a blue "Log In" button, and at the bottom are links for "Forgot password?" and "Need an account? Sign Up". Both forms have a dark grey background and are framed by a purple border.

When you enter the website, you'll first be prompted to sign up. It's not necessary to enter a real email address for testing purposes and to maintain anonymity.

An email can be any string in the form of "[xxxx@fakemail.com](#)", the password must be a minimum of 6 characters long. Once you've successfully registered you may log into the application with your chosen credentials. New accounts default as students. To become a tutor it's necessary to make a request to the site administrators who'll make the change manually.

Tutor Sign In, available for you to use in order to test out the webapp:

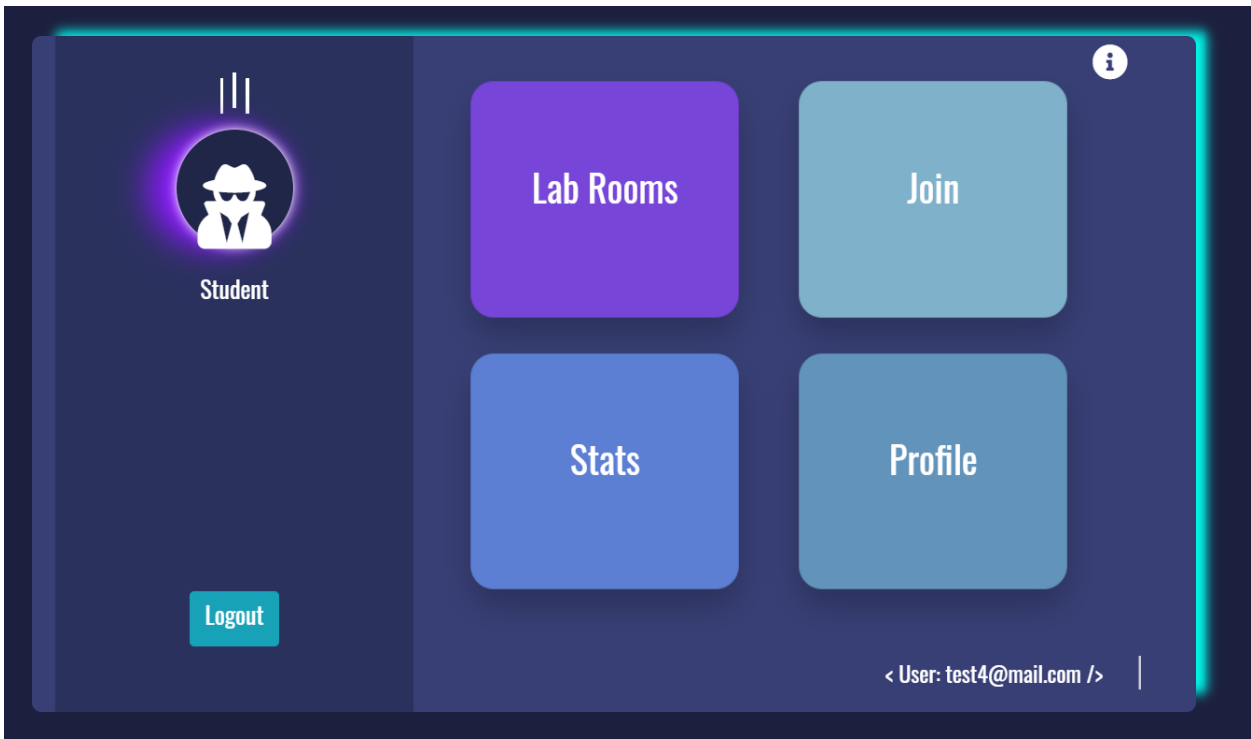
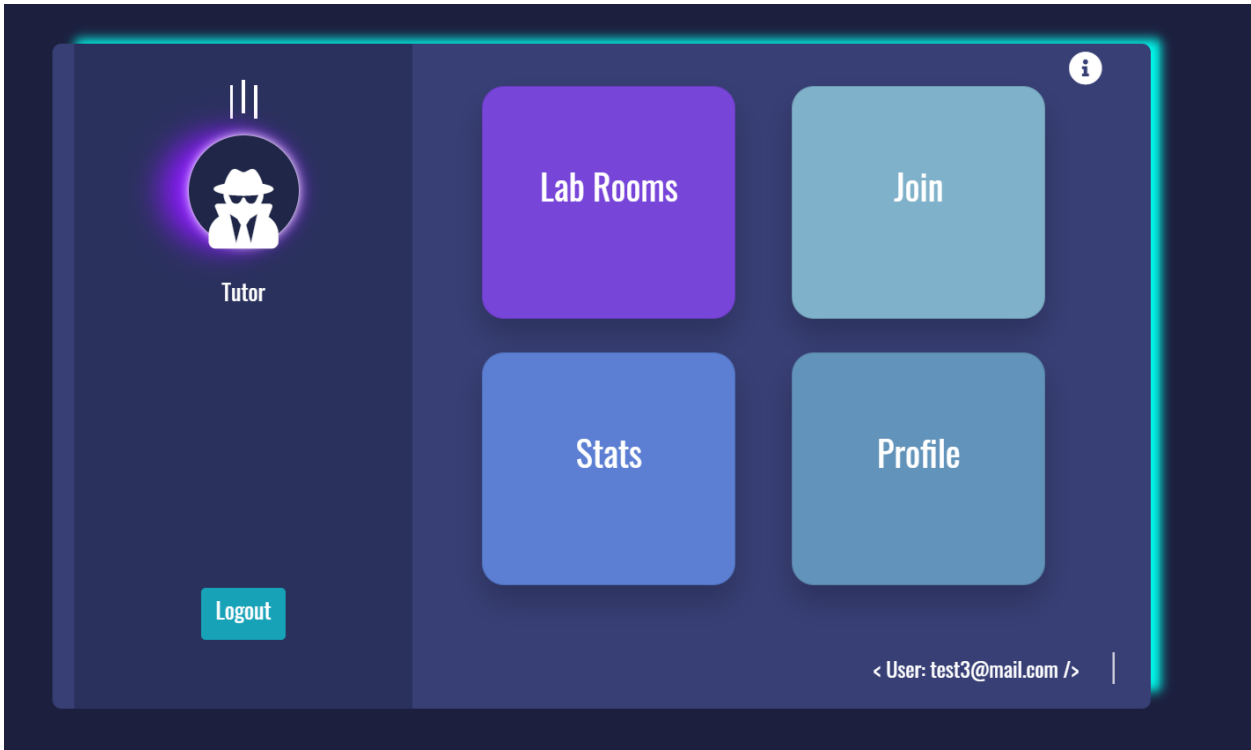
Email: Tutor@mail.com

Password: welcome123

Student Sign In, available for you to use in order to test out the webapp:
Email: Student@mail.com
Password: welcome123

DASHBOARD

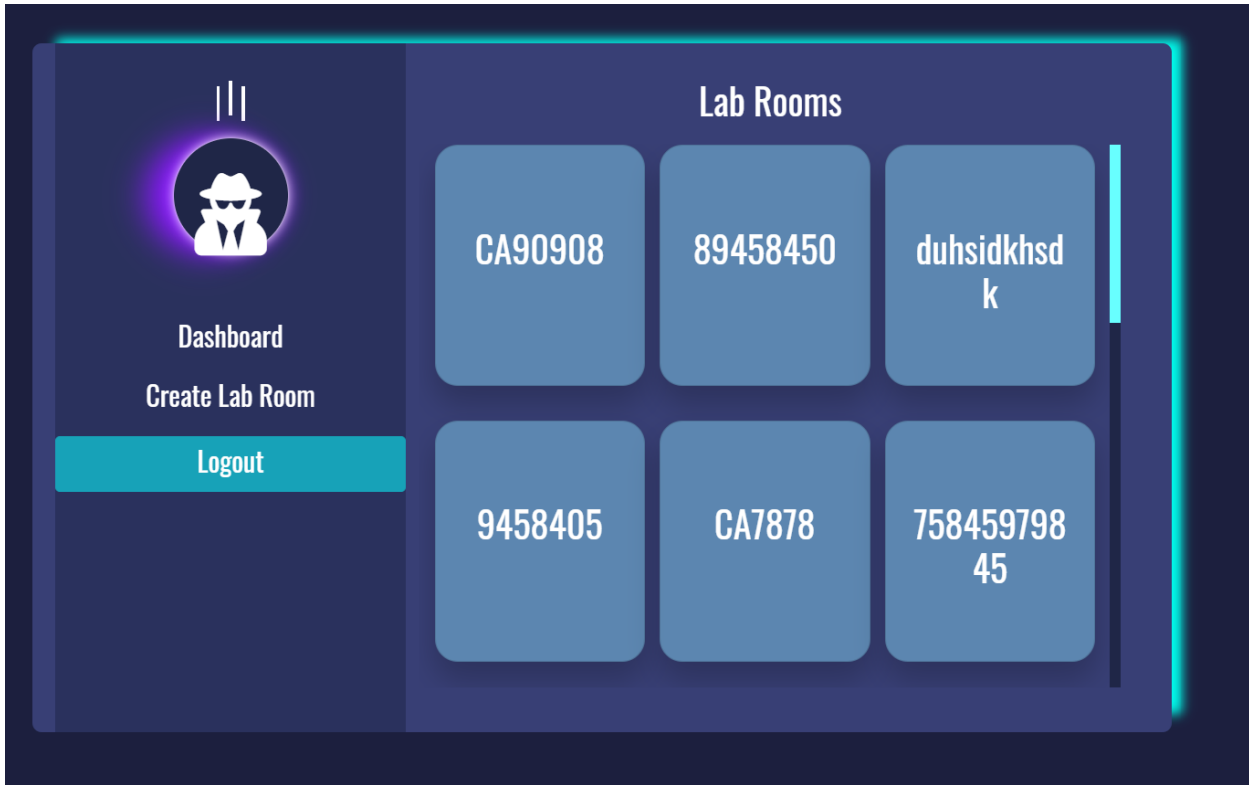
For both students and tutors, once logged in you'll be greeted with the site dashboard. The dashboard has 4 tiles which when clicked will take you to the corresponding section of the website more details below



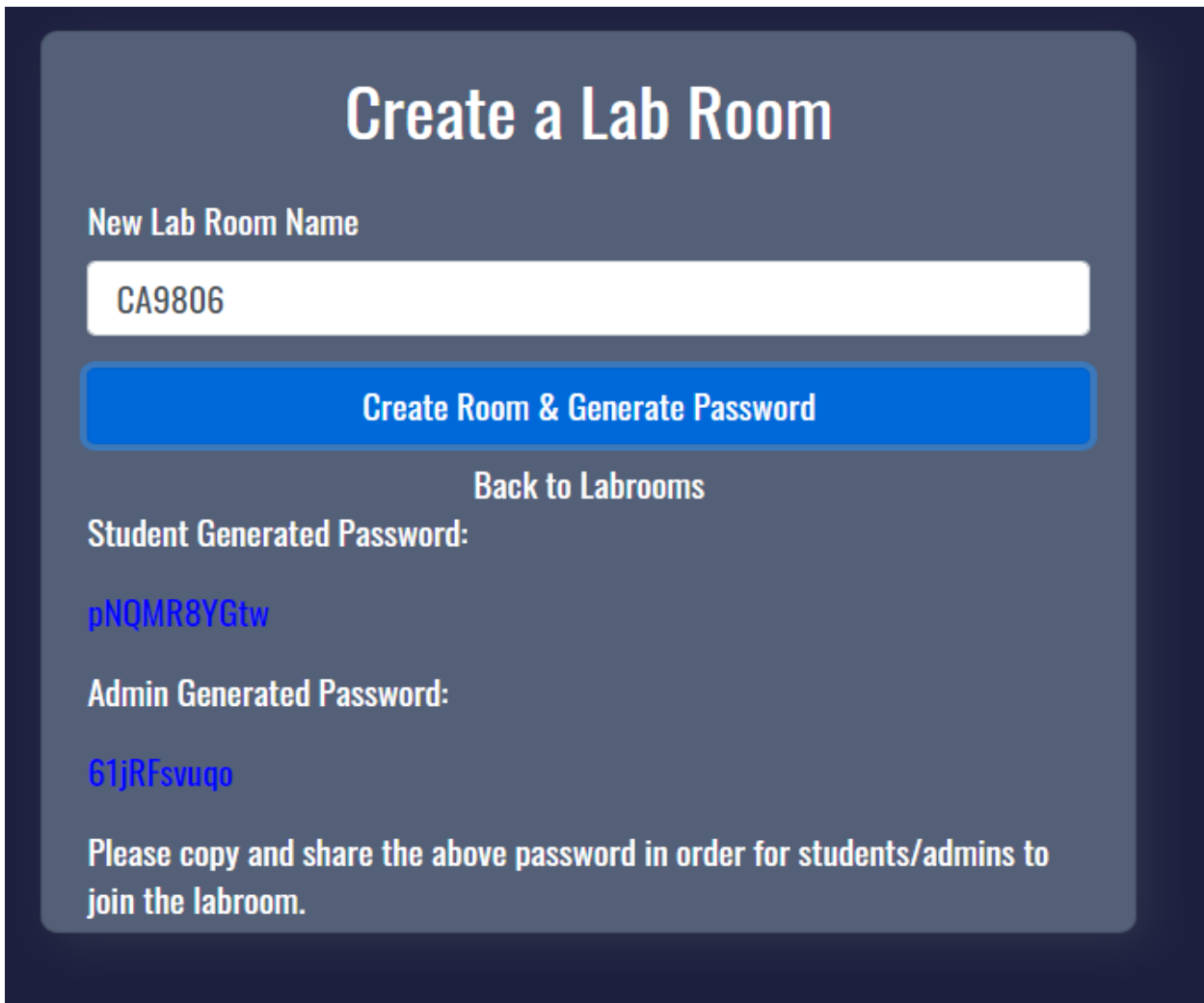
LAB ROOMS

In the lab room section, users will be able to to view and enter the lab sessions that they are a part of. To enter a lab simply click on the corresponding tile and you'll be taken to the lab.

In this section tutors also have the option to create lab rooms.



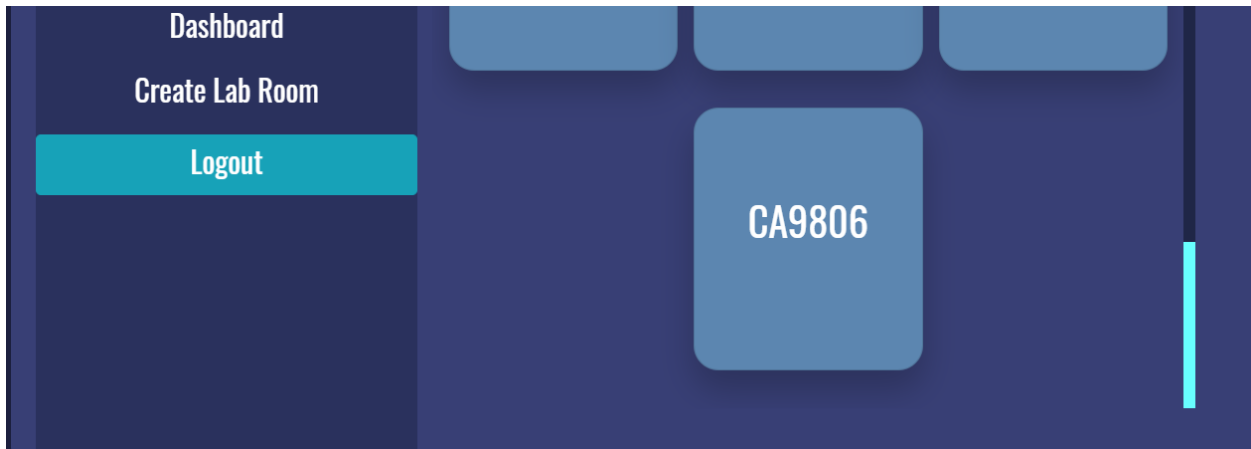
CREATE LAB ROOM



Clicking create lab rooms will take you to the creation page. Here tutors can name the room. Once named, click create lab and you'll be presented with the passwords that allow others to join and participate in those labs.

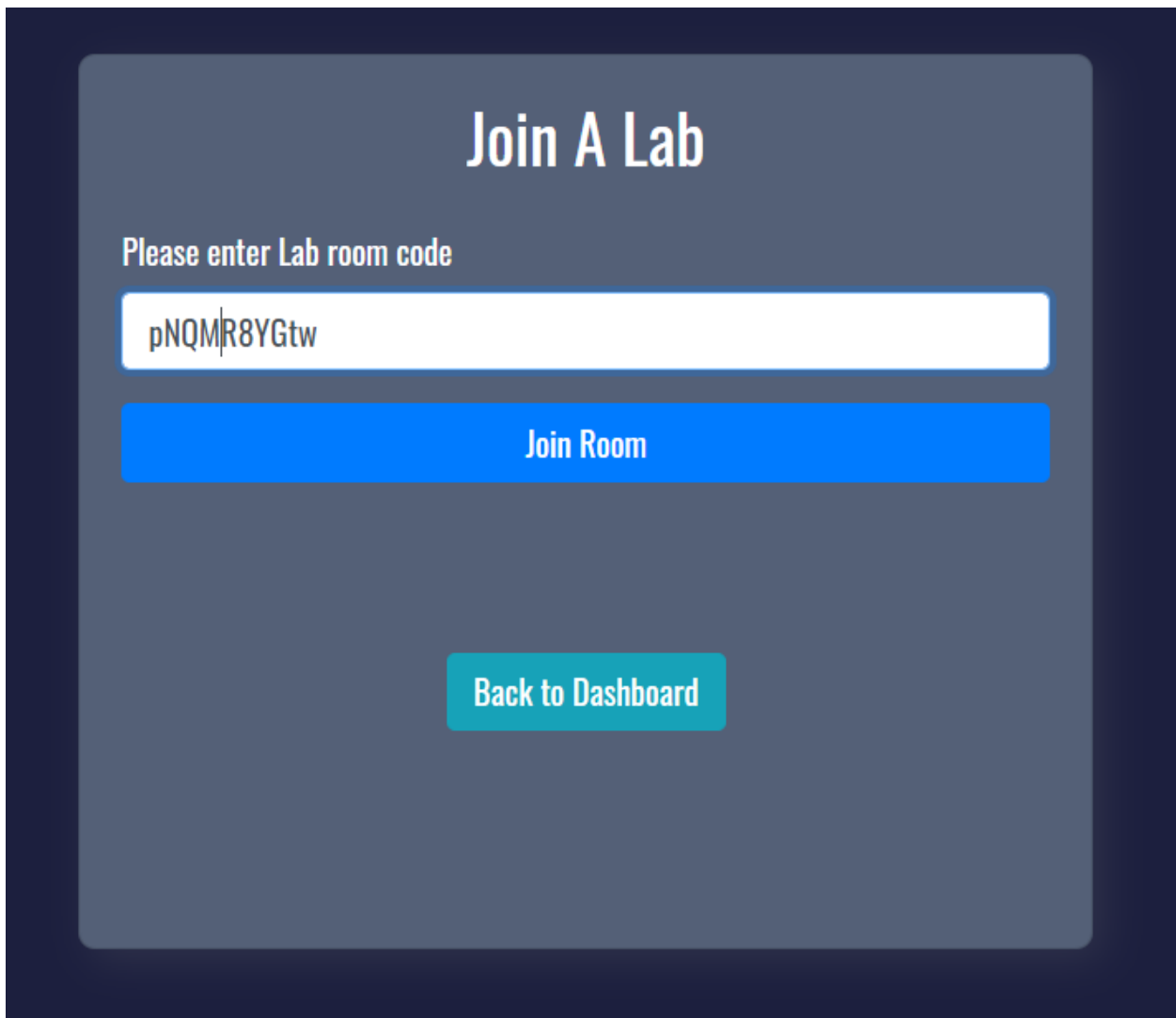
The Student Generated Password: Allows user to join the lab session as students

The Admin Generated Password: Allows users to join a lab as a tutor

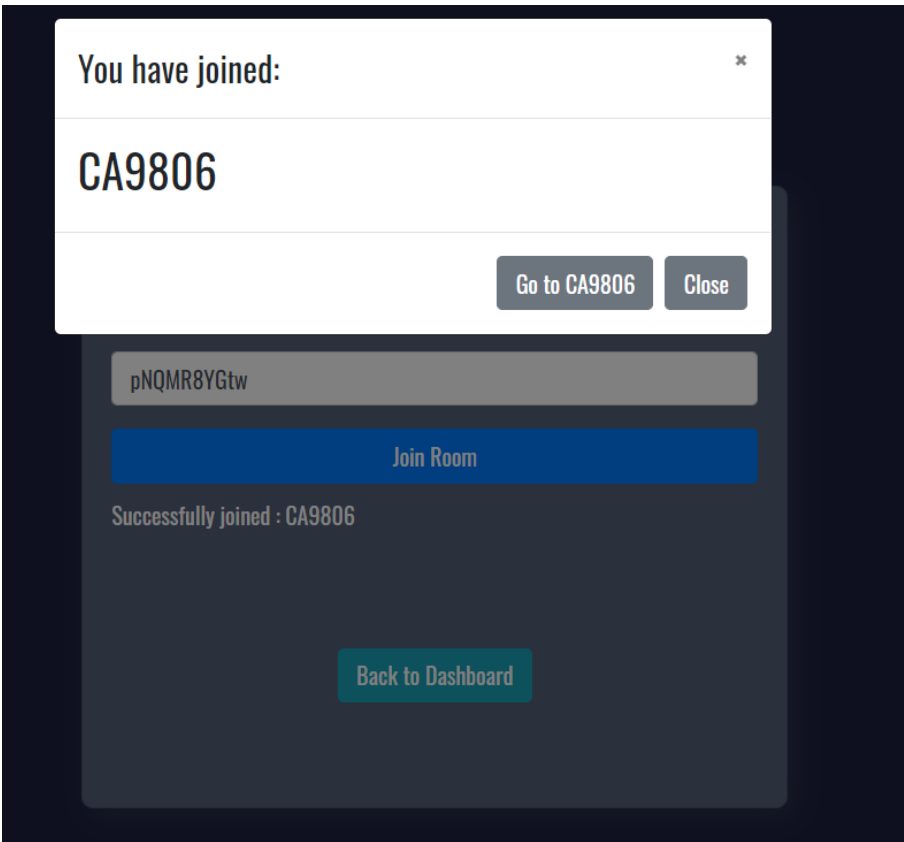


The newly created lab will be then displayed within the users lab room.

JOIN



In the Join section, users enter the key they were provided with and can join the created lab. Once a user clicks join they'll be prompted to enter the lab that corresponds to the provided key.

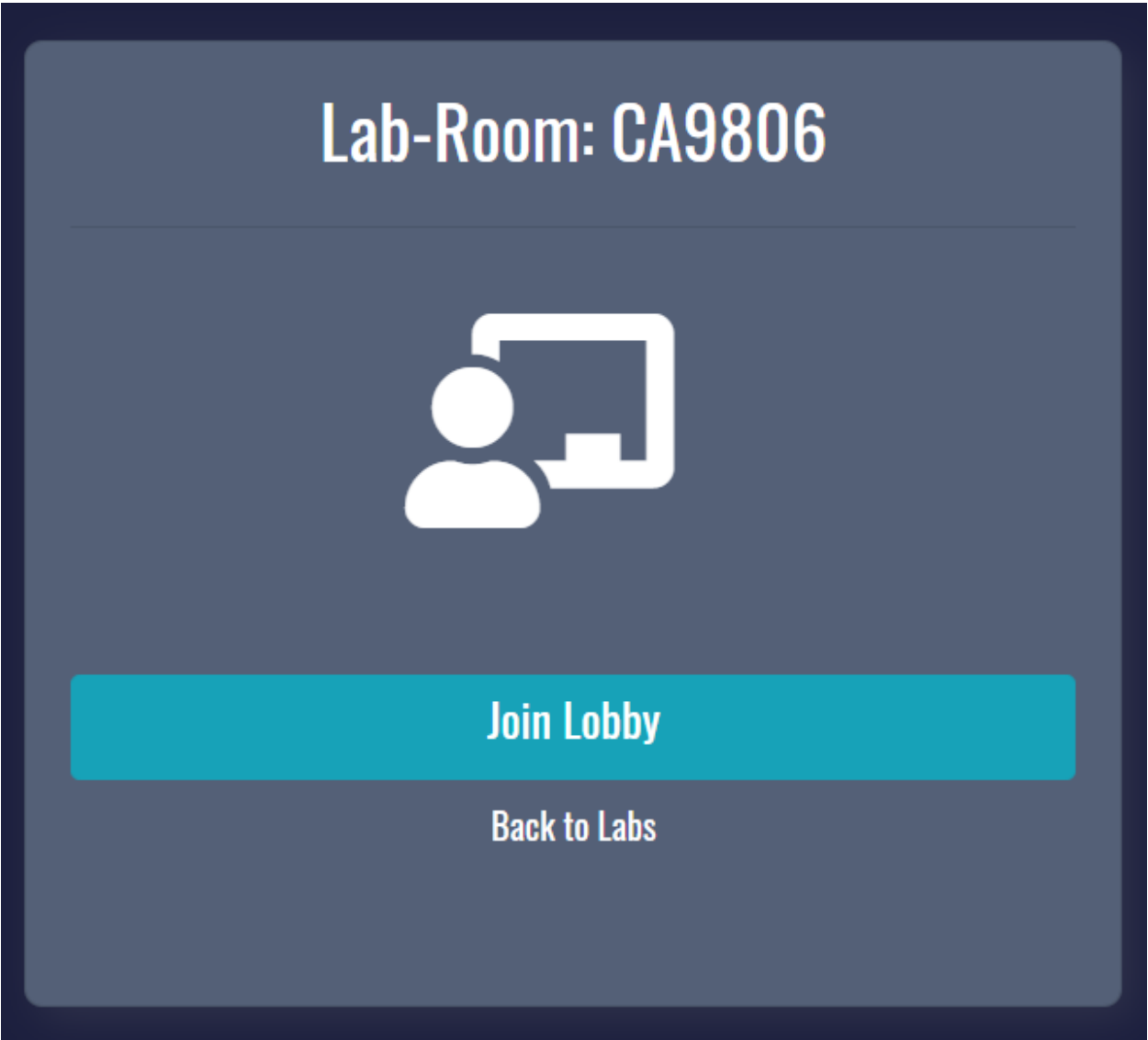


The lab is also then displayed within the users lab room, you can access the lab lobby from here as well:

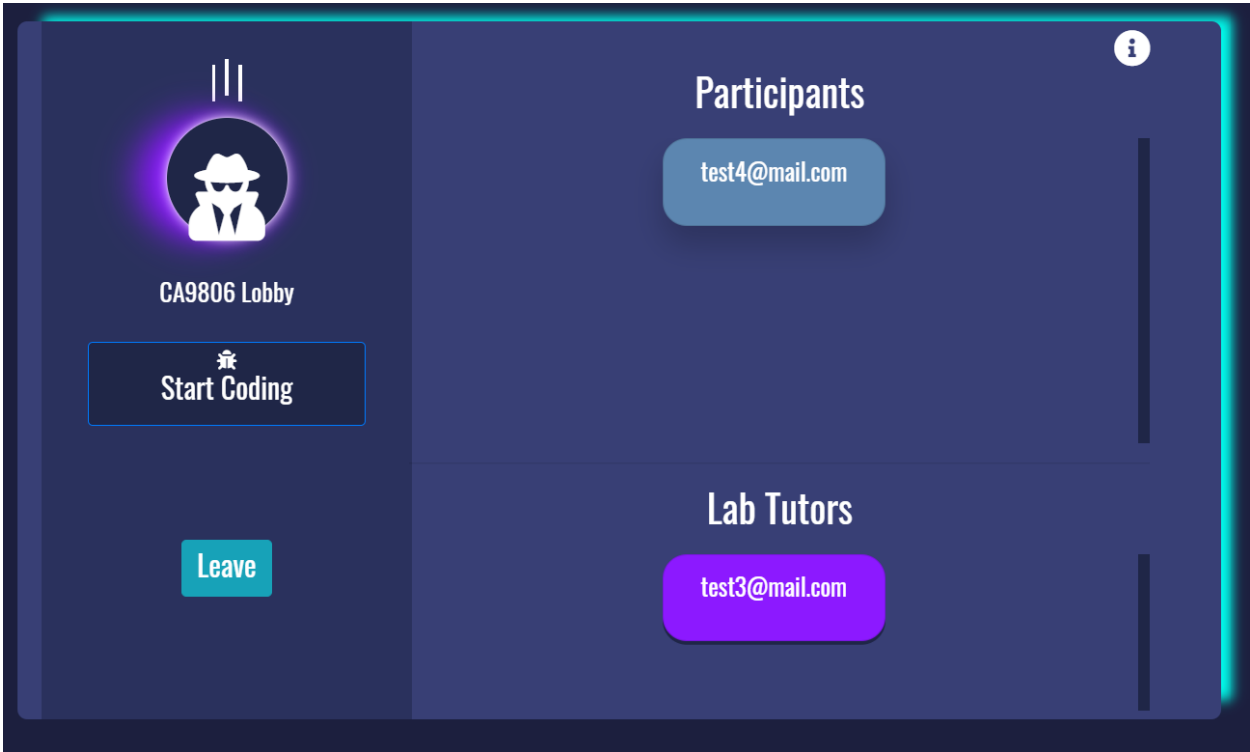


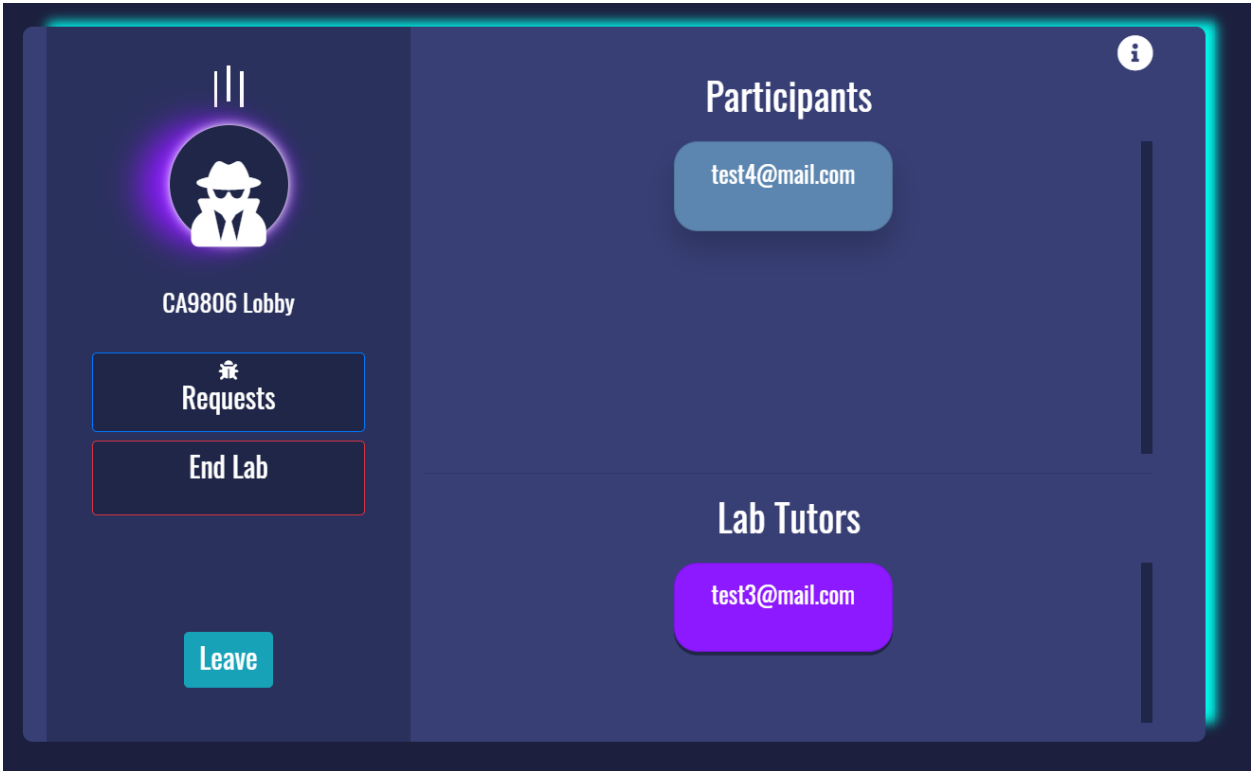
THE LOBBY

Once a user clicks Go to “Lab name” they'll prompted with the option to join a lobby



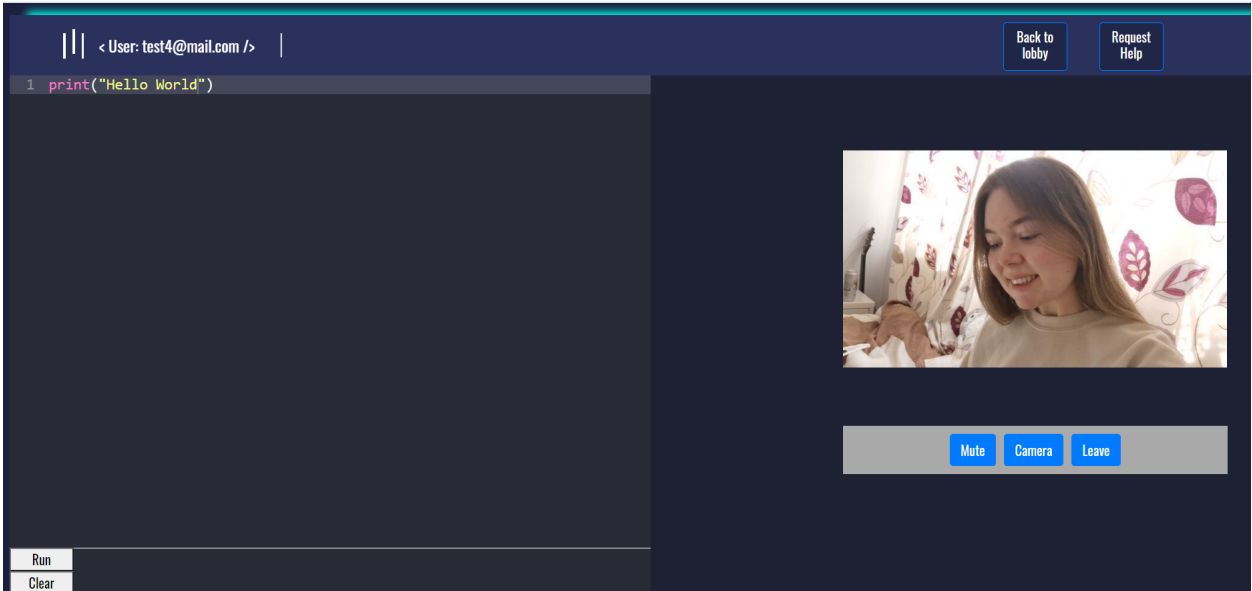
In the lobby, users can view other lab participants and the active tutors. As well as this by clicking “Start coding” they’ll enter their personal coding session.



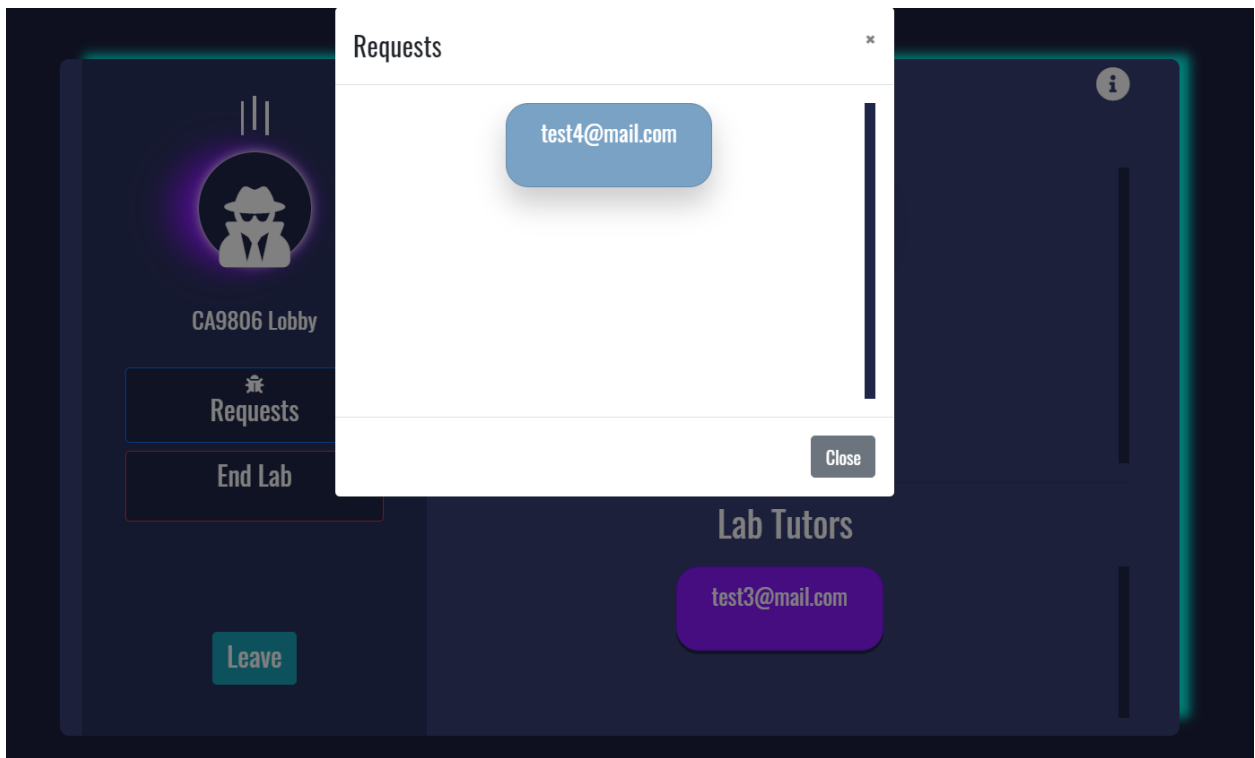


Tutors can view requests for help in the lobby. As well as this the tutor who created the lab can End the lab session.

CODE SESSION

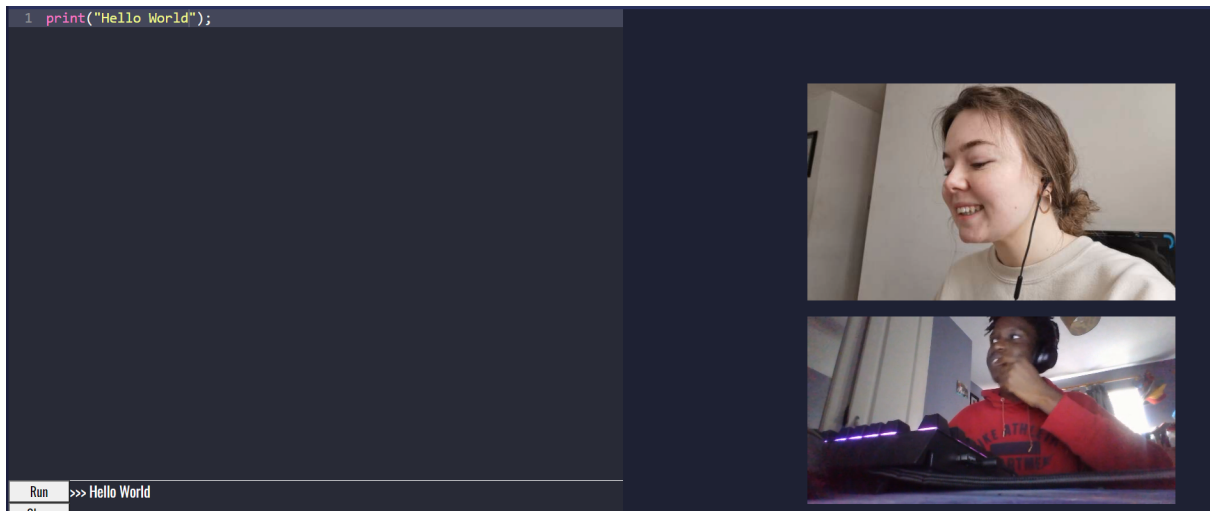


Users can code here in python once they start their personal coding session. If a user needs help they simply click the request help button in the top right corner. This will tell all the active tutors that the student needs assistance. By clicking the run button, users can run the code in the editor and the result is printed in the console.



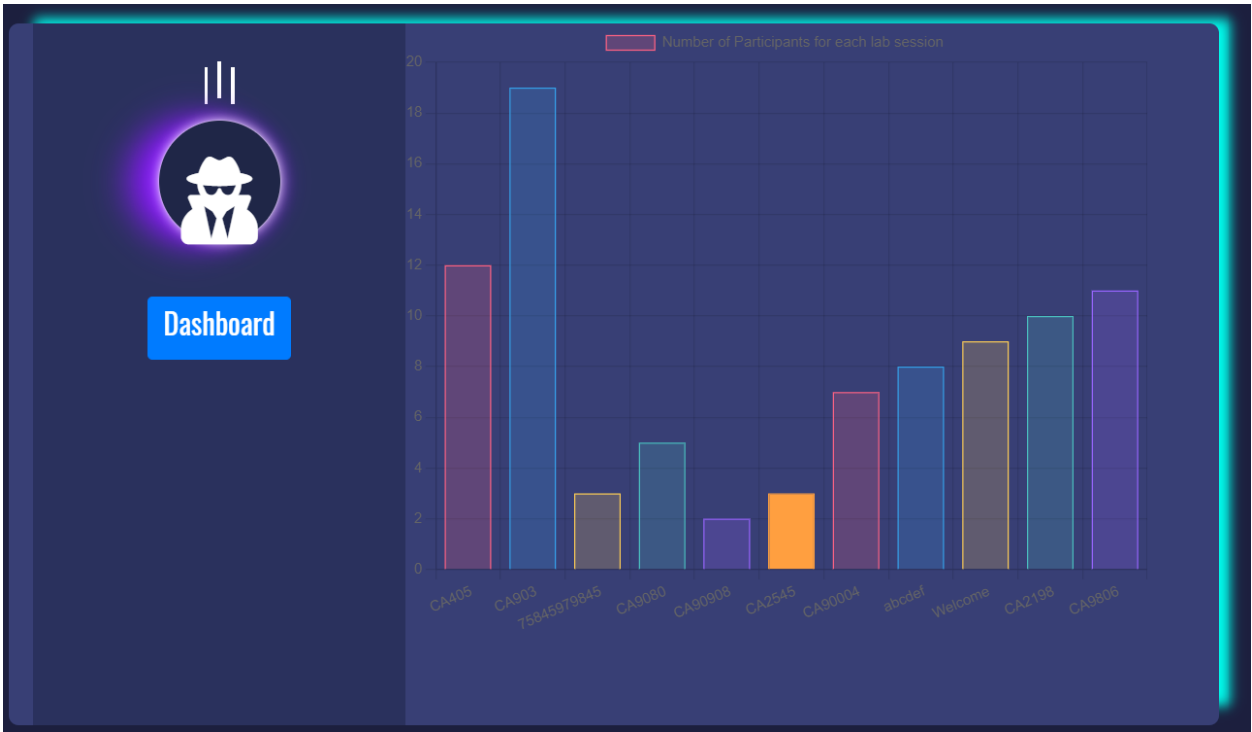
When a student requests help, tutors can then click that student's email in the request prompt, that will then allow them to join that student's coding session.

Tutor Joins Code Session



When a tutor joins a users code session, both the student and tutor can edit the code in the editor. The editor is peer to peer and it's designed to replicate a pair programming session so the keyboard is essentially shared. Only one user should be programming at a time so participant communication is integral here.

STATS



A bar chart is displayed within 'Stats' found on the dashboard. This barchart represents the number of lab participants within each lab the user has joined/created. The lab names are displayed across the x-axis, while the y-axis represents the number of participants.

UPDATE PROFILE

Update Profile

Email

test4@mail.com

Password

Leave blank if unchanged

Confirm Password

Update Profile

Back to Dashboard

Within the Update Profile, A user can change their password here.