sdmay23-25: Con-sea-erge [Team 2]
Week 8 Report
November 5 - November 11

Team Members

Devin Milligan — *Firmware Team*
Ryan Hickok — *Backend Team*
Brian Tran — *Frontend Team*
Ethan Peterson — *Firmware Team*
Hunter Northern — *Hardware Team*
Josh Van Drie — *Frontend Team*
Drake Dodson — *Backend team*

Summary of Progress this Report

We have completed the design document for our testing plan. This week we continued to look into the separate team issues. The firmware team continued progress on the continuation of their frontend designs and the connection to the backend. The backend team created the backend service and is working on creating the structure to support both the front end and the firmware device side. The firmware team is split in work. Part of the team is working on getting the connection to the backend service. The other half of the firmware team is working on the connection to the ph and temperature sensors. Hunter working on the enclosure is starting to develop a 3D design in order to print a prototype enclosure.

Pending Issues

We have not completed the connection from device to backend service. This is the main connection in our project that has not been made that is a necessary building block for the full functionality of this project.

Plans for Upcoming Reporting Period

We plan to each continue to work on our separate team portions. Frontend will dive deeper into the UI and functionality of the application. The backend team will work with the frontend team to connect the two systems. The firmware team will also be working on connecting the sensors for readings. The enclosure team will still be looking into the methods of 3D printing.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Devin Milligan	Made progress on the connection of the sensors of pH and temperature to the physical device.	5	
Ryan Hickok	Worked on the backend service. Helped in the connection of the frontend application to the backend service.	5	0
Brian Tran	Worked on the user interface modules of the	4	

	frontend application.		
Ethan Peterson	Worked on the connection of the physical device to wifi. Is continuing the attempt to the connection of the backend service to the physical device.	6	
Hunter Northern	Started to look into the 3D design of the enclosure of the physical device now that we have parts to measure for size.	4	
Josh Van Drie	Worked on the frontend connection to the backend service. He got the two systems connection to each other.	6	
Drake Dodson	Worked on the connection of the backend to the frontend. Was involved in the future planning of the connection of the backend to the device.	4	0

Gitlab Activity Summary
Nothing to report.