

Individual Weekly Report

Name: Josh Werner

Team: Bray IIoT Smart Solutions

Date: 03/24/2025

Current Status

1. What did you **personally** work on this past week?

Task	Status	Time Spent
Connecting frontend/backend	Complete	4hr
Integrating the LoRa sensor and gateway	In Progress	2hr
Connecting the gateway to a computer	Complete*	6hr

Include **screenshots/graphics** to illustrate what you did this past week:



Refresh

ID	Name	Serial #	Event Details
1	Sensor_1	SN00001	View Events
2	Sensor_2	SN00002	View Events
3	Sensor_3	SN00003	View Events
4	Sensor_4	SN00004	View Events
5	Sensor_5	SN00005	View Events

Sensor Details

Select a sensor to view more information.

2. What problems did you run into? What is your plan for them?

The biggest problem I ran into this week was in how I realized how much of the software needed to be changed for our interpretation. We need to not only update backend/frontend API calls, we need to update frontend design such as how the graphing functions propagate data. Along with this, there is the MQTT server that needs to be updated to be able to properly receive data from the device.

3. What is the current overall project status from your perspective?

We are actually making forward progress and getting tasks completed, however, currently we are going to need to really buckle down to complete this project with its minimum requirements on time. While we originally had lofty ambitions and expectations as time runs out it is clear that we have to finish and complete what we can with what we were given.

4. How is your team functioning from your perspective?

The team is functioning fine, once again we still need to have certain team members show more initiative. Otherwise, there is a fine team balance.

5. What new ideas did you have or skills did you develop this week?

I learned some new web development skills through understanding errors such as the CORS error I was facing this week. Along with I was learning skills related to getting the LoRa board and conduit to connect, I am not sure how to describe these skills but in a way some networking skills.

6. Who was your most awesome team member this week and why?

Aysen De La Cruz, I think Aysen is committing a lot of effort to this project that makes him a standout member of this team. While I've worked with him during these efforts, he has done more than I have done.

Plans for Next Week

What are you going to work on next week?

The plan for this week is updating the frontend/backend to completely display data based on our interpretation of the project. This in tandem with working on the full system integration will ideally allow us within the next two weeks to complete the project with our single sensor implementation. Along with this, I will re-evaluate our criteria that defines success within our project as it is still out of date within the original project scope.