

# Individual Weekly Report

Name: Alex Kearney

Team: Bray IIoT Smart Solution

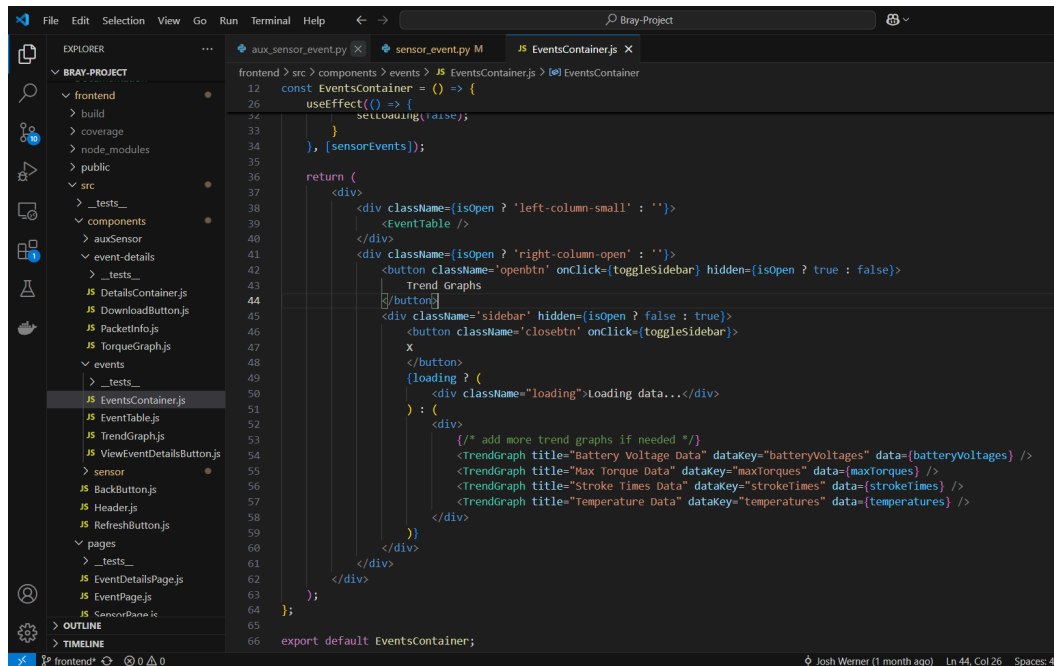
Date: 4/14/2025

## Current Status

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

Task	Status	Time Spent
MQTT Configuration	Complete	~1 hour
Frontend Modifications	In Progress	~2 hours
User Studies with peers	In Progress	~2 hours
Ethics Deep Dive: Synthesis	Complete	~2 hours

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



```
12 const EventsContainer = () => {
26   useEffect(() => {
34     // ...
36   }, [sensorEvents]);
37
38   return (
39     <div>
40       <div className={isOpen ? 'left-column-small' : ''}>
41         <EventTable />
42       </div>
43       <div className={isOpen ? 'right-column-open' : ''}>
44         <button className='openbtn' onClick={toggleSidebar} hidden={isOpen ? true : false}>
45           Trend Graphs
46         </button>
47         <div className='sidebar' hidden={isOpen ? false : true}>
48           <button className='closebtn' onClick={toggleSidebar}>
49             X
50           </button>
51           {loading ? (
52             <div className='loading'>loading data...</div>
53           ) : (
54             <div>
55               {/* add more trend graphs if needed */}
56               <TrendGraph title='Battery Voltage Data' datakey='batteryVoltages' data={batteryVoltages} />
57               <TrendGraph title='Max Torque Data' datakey='maxTorques' data={maxTorques} />
58               <TrendGraph title='Stroke Times Data' datakey='strokeTimes' data={strokeTimes} />
59               <TrendGraph title='Temperature Data' datakey='temperatures' data={temperatures} />
60             </div>
61           )}
62         </div>
63       </div>
64     </div>
65   );
66 }
67
68 export default EventsContainer;
```

2. What problems did you run into? What is your plan for them?  
We have not had any major issues.
3. What is the current overall project status from your perspective?  
We have fulfilled Bray's requirements for the project, so we are now finalizing how we will display our data.

4. How is your team functioning from your perspective?  
Overall, the team is functioning very well.
5. What new ideas did you have or skills did you develop this week?  
I gained more experience in working with MQTT and web development.
6. Who was your most awesome team member this week and why?  
Matthew came up with a great way to test the CO<sub>2</sub> sensor using vinegar and baking soda, making him this week's most awesome team member.

### Plans for Next Week

What are you going to work on this next week?

- Modify and update the Project Report
- Frontend: make changes according to user feedback, ensure data is displayed correctly
- Complete abstract and evaluation