

Sound Traffic Reporting

Group 111-4

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Project Tracker: [Trello](#)

Version Control: [Github](#)

Website: [Busy Buffs](#)

(The website is hosted on a Raspberry Pi board that is connected to a router and accessed via port forwarding)

Contributions from Each Member

Our group started the project off with bad communication which resulted in having two different git repositories for most of the project. Part of the difficulty was having a large group for a primarily online course. A few group members regularly had to commute to school which made meetings difficult to schedule(usually had to be later in the evening). Once we started meeting more regularly, we identified the problem and decided to merge the two separate code bases to take advantage of all the features that different members had finished. This merge was done mostly via copy and paste with a little bit of editing to ensure compatibility. Because of this, the commits on the final repo do not accurately depict the efforts of each member of our group so we will list what each member contributed below.

Bennett Miller

- Worked on the original hardware sensor implementation (was scrapped near the end due to technical issues- sensor being poor, difficulty in our given scenario due to home server hosting, and more viable mobile solution existing).
- Milestone documentation

Kolin Newby

- Setup Raspberry Pi server using Node
- Used port forwarding in order to forward External ip address to Internal Server ip address
- Designed, initialized, and maintained the database used on the server to run the software

Aidan O'Connor

- Wrote CSS for table legend
- Collaborated on the table that displays the weekly averages implementation
- Designed initial mockups for UI

Sam Sly

- Designed the basic template and flow of the webpage
- Collaborated on the basic implementation of the front end and integration layer
- Programmed the table that displays the weekly averages for the location selected

Ria Thakkar

- Setup decibel app to use for data collection.
- Collaborated in the development of the weekly averages table on web page.

Yi Wu

- Worked on transcript csv files to useages for java scripts.
- Test cases