
sdmay23-30: Twinkle Tines

Week 6 Report

October 28 - November 4

Team Members

Isaac Vrba — *Git Master*

Mesa Hassel — *Subgroup meeting planner, unassigned scribe*

Stuart Pearson — *Client Communications Point*

Eileen Hillier — *Hardware Expert*

Andrew Adams — *User Interface Consultant*

Daniel Duerr — *Design Expert*

Kaitlyn Nolting — *Subgroup Meeting Minutes*

Summary of Progress this Report

This week our team continued our research for what hardware we are going to specifically use and how the software team is going to communicate with the hardware side (and visa versa).

All available members on Wednesday night meet with Mr. Mina to bring him up to speed with our project, address any questions, and ask for things we should be considering, coming from someone with an outside perspective. We have learned to focus on getting to a testable design as quick as possible for better immediate feedback, questions that we have not asked ourselves yet, and things we should be doing now that way we are more prepared in the future.

The hardware team held a meeting with Dr. Jones from the CprE department to discuss what we should be looking for in a microcontroller or microprocessor, and we ended up initially going with this certain microcontroller that was fairly cheap, and we had already ordered it so we can begin testing with it.

The software team has continued to work on the visuals of the app and has started to work on some software elements.

Pending Issues

Hardware team is going to look into and experiment with using a pickup, mic, and an internal accelerometer on the microcontroller just to have the background on the implementations of different audio detection.

Plans for Upcoming Reporting Period

Hardware team plans to at least have our list of components down to a narrowed list so we can better prepare to buy the parts before Thanksgiving Break. We plan to meet with Dr. Jones again before we order our parts to get his opinion again.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
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Isaac Vrba	Continued hardware research, particularly on different microcontrollers and LEDs that we could use to attach to our mount. We had our biweekly meeting with Dr. Mina, and held a meeting with Dr. Jones (CprE) to discuss our current direction and ask for guidance on some hardware. Individual assignment covering Codes of Ethics. Filling out group progress reports on weekly report.	6	0
Mesa Hassel	group discussion of ethics assignment, meeting with Dr. Mina, progress on figma UI design, continued software research	5	
Stuart Pearson	Continued hardware design research, meeting with Dr. Mina, research meeting with Dr. Jones, group discussion of ethics assignment and research	4	0
Eileen Hillier	Continued hardware design research, meeting with Dr. Mina, research meeting with Dr. Jones, group discussion of ethic assignment.	5	
Andrew Adams	Discussion regarding ethics assignment, discussion regarding research and about the project as a whole.	2	0
Daniel Duerr	Continues software environment research and discussion, notably with audio formats	4	0
Kaitlyn Nolting	Continued researching software environment setup, group discussion of ethics assignment.	3	0

Gitlab Activity Summary

Nothing to report.
