

sdmay23-30: Twinkle Tines

Week 4 Report

October 14 - October 21

Team MembersIsaac 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 completed our design document for design context and exploration. Within this document, we analyzed any potential impacts our design may have, technical complexity, and design exploration. Within the design exploration, we listed potential trade-offs for deciding on a particular trait to focus on. For example, we looked at any pros and cons for how we are going to detect user input (vibration, sound, optical detection, etc.) and tried to think of anything that we may need to consider for each input possibility.

We also officially started our research period for both hardware and software teams. We decided to create a general questions document, and from that, we are going to answer all our asked questions by including what we learned via our research. We will include all of our research data within designated hardware/software research folders of which can be seen in our group's shared google drive folder.

Pending Issues

At this time, we do not have any issues. We recently met with our advisor/client and have a strong plan for our research period that will last until the start of Thanksgiving Break.

Plans for Upcoming Reporting Period

We will be reporting on some of the decisions made while researching, along with anything that we discovered that may change how we approach the project.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Isaac Vrba	Collaborated on Design Doc 3, helped brainstorm several questions to help give us an idea on what questions we need to consider for our research period.	4	0
Mesa Hassel	collaborated on design doc 4, started research	2	0

Stuart Pearson	Collaboration on Design Doc 4. Collaboration in Advisor Meeting. Started design research	4	0
Eileen Hillier	Collaborated on Design Document 4, worked on developing research questions during advisor meeting, started hardware design research.	4	
Andrew Adams	Collaborated on design Doc 4. Continued research for best software to use.	2	0
Daniel Duerr	Collaborated on Design Doc 4. Started research.	2	0
Kaitlyn Nolting	Collaborated on Design Doc 4 and the advisor meeting. Started research.	4	0

Gitlab Activity Summary

Nothing to report.
