

sdmay23-30: Twinkle Tines

Week 7 Report

November 5 - November 11

Team MembersIsaac Vrba — *Git Master, Weekly Report Guy*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 as a group, we completed our design document for testing. Within this document, we went into detail about how we are going to be approaching unit testing on our hardware and software teams, and then how we will be continuing our progress together while undergoing system, regression, and acceptance testing.

Hardware Progress:

This week on Wednesday night (11/9), we met in the TLA to work on reading output successfully from the piezo-electric pickup onto to oscilloscope and then how interacting with multiple tines at the same time affects our output. We completed this and recorded our progress and testing procedures within our testing design document and our team's google drive research folder.

Quick Link to the sdmay23_30 Research Folder:

https://drive.google.com/drive/folders/1WNk5vIO8Zh0bMNsJLVes2s08JKjdjYHE?usp=share_link

Software Progress:

Continued with UI design research

Pending Issues

N/A

Plans for Upcoming Reporting Period

For both team divisions, we plan to continue our research phase. For hardware specifically, we plan to have a complete list of hardware components that we would like to purchase for testing along with the actual microcontroller that we will be using in our final design.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Isaac Vrba	Collaborated on Testing Design Doc.	5	0

	Participated in hardware research both with the team and individually.		
Mesa Hassel	continued work on the UI figma design, researched for implementing a tuner in the app design	3	0
Stuart Pearson	Collaborated on Testing Design Doc. Conducted hardware testing. Conducted hardware research	5	0
Eileen Hillier	Collaborated on Testing Design Doc. Worked on hardware research. Worked on note detection with pickup and amplifier testing.	5	
Andrew Adams	Collaborated on Testing design doc, Added to Software research for note detection and environment setup.	1	0
Daniel Duerr	Collaborated on Testing design doc, Added to Software research for note detection and environment setup.	1	0
Kaitlyn Nolting	Collaborated on Testing design doc, Added to Software research for note detection and environment setup.	5	0

Gitlab Activity SummaryNothing to report.
