Weekly report

EE 491 DEC1503

March 16, 2015

Modular Audio Mixer

Advisor: Josh Bertram

Client: Jay Becker

Clayton Hawken: Team Leader

Debbie Baeder: Team Communication Leader

Chad Stobbie: Team Concept Holder

Brian West: Team Webmaster

## Weekly Summary

Many hours of this week were spent designing and developing drawings, models, simulations, maps, and the Design Document. The team did not meet with either the client or the advisor, but still kept contact and updated the when necessary. Our spring break goals consist of more research and specification refinement, in order to jump right back into choosing and ordering components. Soon after that, we will be fabricating our first prototype.

## Team/Client Meeting Notes

* **Duration:**  N/A  **Members Present:** N/A
* **Purpose and Goals:** We did not host a meeting on March 9th because we did not have any pressing issues, although we did update Jay with our progress.
* **Achievements:**
	+ *N/A*

## Team/Advisor Meeting Notes

* **Duration:**  50 minutes **Members Present:** Team.
* **Purpose and Goals:** The team met to define and develop the Design Document, and alerted Josh Bertram that he need not attend if he did not want to.
* **Achievements:**
	+ *Design Document:* Debbie wrote up the outline for the team to follow and presented the Autodesk enclosure drawing, Chad made the Relay Circuit model in SchemeIt, and Clay and Brian brainstormed standards and potential challenges.
	+ *Deadline:*The team agreed to submitting content within the following weekend. Debbie told the team she would format and submit the assignment by Sunday.

## Pending Issues

* Choose a bus jumper or single jumpers
* Figure out how/where to get our enclosure fabricated, and look at previous design projects’ methods.

## Plans for Spring Break

Brian: Programming development. Backup battery circuit.

Debbie: Find fabrication source. Compare MAX MSP and Reaktor for user interface.

Chad: Start out PCB design.

Clay: ---

## Individual Contributions

Clay: Organized the Raspberry Pi B+, LCD Screen, Rotary Encoders, and Digital Potentiometer Pinout Maps.

Debbie: Developed Enclosure assembly and presentation editing in Inventor. Edited and formatted the Design Document.

Brian: Documented coding standards.

Chad: Circuit models and simulations in SchemeIt and Eagle.

# Weekly hours for the project: 31

|  |  |
| --- | --- |
| Name | Hours |
| Clay Hawken | 6 |
| Debbie Baeder | 13 |
| Brian West | 5 |
| Chad Stobbie | 7 |

# total hours for the project: 133

|  |  |
| --- | --- |
| Name | Hours |
| Clay Hawken | 31 |
| Debbie Baeder | 39 |
| Brian West | 28.5 |
| Chad Stobbie | 34.5 |