Weekly report

EE 491 DEC1503

April 27, 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

Earlier in the week, we were challenged with enclosure fabrication errors. However, the error was adjusted by Wednesday, and the enclosure was assembled by Thursday. Programming the Raspberry Pi and configuring the settings consumed many hours between two people. Over the weekend the mixer was installed. The team prepared for the first semester’s final presentation.

## Team/Client Meeting Notes

* **Duration:**  n/a **Members Present:** n/a.
* **Purpose and Goals:** Since the team was soldering the PCB all Sunday evening, we decided to not have a meeting. Jay was notified that we are mid-construction, and updated on the enclosure material choice.

## Team/Advisor Meeting Notes

* **Duration:**  45 mins **Members Present:** All.
* **Purpose and Goals:**Review our progress with Josh.
* **Achievements:**
  + *Presentation Preparation:* Josh approved our design and gave us congratulations. He let us know what should be added to our presentation, and advised us to think about the challenges we have faced as a team and individually, and how our design process was implemented.
  + *Enclosure:*We super-glued the corners together in anticipation of testing and wire reconfiguration. With the top face easily removed, this task becomes much simpler.

## Pending Issues

* *Create stability throughout the corners of the enclosure.*
* *Assure user-interface works.*
* *Test initial functionality in preparation for presentation.-*

## Plans for Next Week

Brian: Continue to implement code for full functionality, improve modularity of code, start on implementing other features such as better i2c communication, Bluetooth, mobile app, etc.

Debbie: Research ideas to implement mobile or desktop interface. Consider modular additions for the mixer.

Clay: Make plans for documentation next semester and update.

Chad: Practice and present.

## Individual Contributions

Clay: Programming and configuring and prepping presentation.

Debbie: Redesigned Inventor files to six individual parts, and added puzzle connections for each side. Laser-cut the last of the acrylic faces. Checked for errors among the reports’ content and documented hours.

Brian: Raspberry Pi programming and debugging.

Chad: Helped build the prototype and create the presentation

# Weekly hours for the project: 63

|  |  |
| --- | --- |
| Name | Hours |
| Clay Hawken | 15 |
| Debbie Baeder | 13 |
| Brian West | 20 |
| Chad Stobbie | 15 |

# 

# total hours for the project: 289

|  |  |
| --- | --- |
| Name | Hours |
| Clay Hawken | 69 |
| Debbie Baeder | 77 |
| Brian West | 75 |
| Chad Stobbie | 69 |