WEEKLY REPORT   **Date: 2/22/2013**

Group Name: Dec13-09 Digital Synthesizer

Client/Advisor: Dr. Zambreno/Dr. Neihart

Attendees/Role:

> Dustin Amesbury- Leader
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> Brittany Oswald- Meeting Scribe
>
> Wallace Davis- Webmaster
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> Darren Hushak - EE Director
>
> John Tuohy - Communication Liaison
>
> Dr. Zambreno - Client

Past week accomplishments

- Acquired SD cards
- Installed Linux on Raspberry Pi board
- Gutted and cleaned organ
- Created rough draft of the Project Plan
- Website created

Plan for coming week

- Move forward on trimming Linux boot times on RPi -- Dustin Amesbury
- Run cross-compiled code upon RPi boot -- Dustin Amesbury
- Output audio through audio jack on RPi -- John Tuohy
- Create software architecture skeleton -- Dustin Amesbury, John Tuohy,

Brittany Oswald, Wallace Davis

- Test MIDI CPU switching matrix with existing organ key contacts - Darren Hushak
- Further clean and prepare the organ - Darren Hushak

Pending issues

- Linux boot times
- Current working order of the organ (what do we keep, what do we replace?)

Individual contributions

- Brittany Oswald contributed to and organized Project Plan for submission, assisted in cleaning the organ, and had Linux distro put on SD card.
- Darren Hushak disassembled and performed major deep cleaning on the organ, including removing componentry and a large amount of old wiring. Also performed tests on keyboard contacts in preparation for MIDI retrofit
- Dustin Amesbury helped with cleaning the organ as well as experimented with cross compiling code from Windows to Linux.
- John Tuohy researched and experimented with the Simple Fast Multimedia Library (SMFL) and set up the Raspberry Pi Linux Distro.
- Wallace Davis set up a basic web page for weekly report submissions and helped complete the rough draft for our Project Plan.

Individual hourly contribution

- Brittany Oswald - 8
- Darren Hushak - 12
- Dustin Amesbury - 8
- John Tuohy - 7
- Wallace Davis - 7