

## Meeting 4/19/11

### Goals

- Define what “done” means
- Create New Redmine and move wiki stuff
- Break into intermediate tasks
- Enough definition on tasks that we can multithread

### Discussions and Decisions

Define User API (connect to Arduino (ORANGE\_BUTTON) → Bread) to Duinolab (connect A → B)

User Duino ↔ DL controller comms (DLC)

- Hello world
- Define protocol (User D → DLC)
- Implement protocol

DLC → I/O expander I2C ---- Brian

DLC → LED control I2C ---- Brian

Build Initial Prototype

1) Won't fit in case

2) Will fit in case

Physical Design of case ----- Sam

Decide on base case - exploring options - Sam

One with extra components storage

Breadboard attachment mechanism

Screws/ribbon cable

Making documents for Fab Lab - Sam

Panel UI ----- 1-11

Light pipes, surface mount LEDs

Circuit Boards

## Audio circuit design

Correcting mic and speaker issues

Mic-level shift up, amplify

Speaker-level shift down, deamplify

## Documents

Instructions for Replication of our design

Step by step instructions

Including video clips and photos

Also including improvements, tips, and or cheaper routes

Bill of Materials with Pricing

Use cases-Include high level description of some lessons

Ideas for improvement-What does V3 look like?

Post mortem

What we did, what we learned, what we would do different

Goals and Objectives-what we met and didn't meet

Where we started, where we ended

What was our process?