Team 5 Project Meeting Minutes:

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| Date and Time: | October 13th 2:00pm |
| Attendees: | * Sam x * Andy x * Jelon x * Arsalan x |

* Agenda:
  + Project check-in:
    - Parts research
      * Finding correct packages and make a table
      * Get Specs finished - order all parts for prototype
    - Mobile Application Development Update
    - I/O Buffer Circuitry
    - Power Circuitry
    - Schematics Update
  + [Project Specification Changes: (Andy)](https://docs.google.com/document/d/1x4V5YqKN4eUquGaj3UqfnJnXJZe0LPbybg0Wx0Lftbo/edit)
    - Mobile vs. Desktop platform for software
    - Elimination of FFT Circuitry
    - Addition of PIR
  + Prototyping & Schedule:
    - Adafruit order has not arrived yet…
    - Prototype Requirements and Specifications
    - Development Schedule
  + Problems:
    - Chip Sizes
* For Next Meeting:
  + Github Migration (Sam / Andy)
  + Circuits:
    - Relay control - Jelon
      * <https://www.adafruit.com/products/2923>
      * Opto-isolator + transistor & flyback diode
      * 5V Relay rated for 120V AC
    - Power control -
      * https://www.adafruit.com/products/2465
      * Boost Converter -> 5+ and 3.3+ Rail
      * Charge Controller -> Shift between USB power and battery power and manage charging
  + Nail down prototype parts (spreadsheet)
  + Demo code - generic control with arduino (Andy)
  + Prototype on Thursday 2pm - 5pm
    - Overflow Friday afternoon

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| Date and Time: | 10/11/2016 2:30pm |
| Attendees: | * Sam x * Andy x * Jelon x * Arsalan - |

* Project check-in:
  + Proposal was handed in
  + Some concerns regarding next steps in project
* Work Delegations:
  + Andy - App development and BLE
  + Jelon - GPIO / Analog input buffering protection circuit
  + Sam - Begin looking for components and start with schematic
  + Arsalan - Battery and charge controller
* Progress:
  + General block-diagram completed
* Tasks:
  + Migrate documentation to GitHub Wiki
    - Or link docs via commit and push