Present: Mack Hall, Jorian Bruslind, and Zach Bendt

Absent: N/A

ECE 342

1/31/19

Prof. Shuman

Week 4 In-Class Group Meeting Notes

* Each member has completed their project presentation
  + Received solid feedback on the project from our peers
    - Might change fuse type as a result
    - Considering placing an always-on USB socket on the system as well
  + Overall, received very positive feedback on our project
* 2nd PCB revision now has mounted components
  + Now has mounted ESP32, UART-USB bridge, relays, transistors, and LEDS
    - Able to communicate with app (turn relays on/off) fairly consistently
      * Introduced a new bug that disables communication
        + Troubleshooting is underway
      * Discovered new “quirk” of relays in relation to LEDs
        + Previously “on” position discovered to be “off”
  + Newly ordered stencil makes for much easier assembly
  + Next step is to place and calibrate current sensors
    - Still need to determine if magnetic field shielding is needed
      * Also need to determine if mag. field shielding would interfere with incoming/outgoing Bluetooth/WiFi signals
* Group meetings plan to continue every Thursday
  + Communication frequency and quickness in Slack and in-person discussions are satisfactory and should be continued
    - Any additional questions/comments/concerns are highly encouraged to be asked through these channels
* Next steps
  + Try to fix newly introduced app bugs
  + Mount and calibrate current sensors
  + Introducing WiFi capabilities
  + Revising/printing enclosure