Present: Mack Hall, Jorian Bruslind, and Zach Bendt

Absent: N/A

ECE 342

2/28/19

Week 8 In-Class Group Meeting Notes

* Group is prepared for system-wide checkoff on Friday (3/1)
  + Current iteration of project is able to meet all engineering requirements
    - Still a few bugs, but only regarding non-required features
  + Video still needs to be produced, as of 2/28
* 2nd Revision PCB nearing end of testing
  + Found to have minor problem with all three plugs turned on
    - Code is giving error potentially caused by voltage under certain threshold
      * Most likely due to low quality of sourced transformer component
      * Unsure if problem lies in software/hardware
  + Software now able to communicate with board via WiFi
    - Further troubleshooting needed relating to quickly switching relays on/off
      * Sometimes randomly loses connection to MCU
    - Now sends custom bluetooth packets
      * Contains current, voltage, timer info
  + Voice activation is now enabled via Bluetooth
    - Allows user to turn channels on/off one by one or all at once
      * Minor bug causing channels to turn off when another is enabled
    - Utilizes Google Voice Interaction API
* 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
  + Shoot/edit video showing system working
  + Try to fix newly introduced app bugs
  + Try to fix I2C communication between current sensor and mcu
    - Potentially re-bias sensors
  + Further developing WiFi capabilities/GUI
  + Stress test mounted components