**Team 6 : GrAPE- Feb 6th, 2023**

**Nicole: Bluetooth common input and output**

* Individual: Fix volume control
* Integration: Bluetooth works, send names of speakers and wait for input from LCD
* Week 3 completed: fixed crashing when the speaker was not the one wanting to connect with (was not allocating and deallocating memory in correct spots & ways), ordered Bluetooth Receiver PCB and last parts.
* Week 4 To-Do: I2C Code and Finalize Bluetooth Transmitter PCB

**Nathan: Analog Processing**

* Individual System: Finish working schematic design for the equalizer (summing amplifier and branching resistor remedy), update PCB
* Integration: Read two channels of audio input, output left and right as one channel
* Week 3 Completed: Perf/proto-board implementation of 500 Hz band
* Week 4 to-do: Perf/proto-board implementation of 1000-500 Hz network, PCB design

**Antonio: Power Supply and User Interface Subsystem**

* Individual System: Finish testing DC-DC converters, redesign PCB, LCD code from C++ to C in Espressif
* Integration: MCU communication for the LCD, power buses for the GrAPE
* Week 3 completed: In the process of testing the DC-DC boost converter, received ESP32 WROVER-E DEV Kit and ran “Hello World” on it, received buttons for the LCD and have a working demo for the LCD with buttons.
* Week 4 To-Do: Test DC-DC converters, aim to order PCB by no later than Monday, Feb 20th.