Team 2 Tremors

Agenda for 4/19/18 Meeting

**Updates**

Calvo and Jake:

-Updated code so that the phone can control DIO pins

-Began changing the GUI to be able to send specific commands to the EMS and to show the magnitude of the tremor signal

Linda and Mike:

-Combined I2C and Bluetooth, got rid of UART trigger, can send multiple bytes of data

-Take FFT but can’t plot and buttons in app don’t work

-Created test plan for board:

1. Power up the board
   1. Make sure all VDD points are at ~3 V
2. Make sure JTAG can program the board
   1. Run Blink LED
3. Mike tests I2C
4. Linda tests Bluetooth
5. Jake and Calvo test the DIO Button code
6. Run full code on the system

**Next steps**

Solder board when comes in, perform test plan

Calvo and Jake:

-Graph real-time data in Xcode with data from Accelerometer

-Have full control of EMS from the phone. Figure out how fast the buttons can be pressed and how we can initialize them to know their value. EMS control logic (if tremor -> do x)

Linda and Mike:

-Work on signal processing in Xcode

-integrate EMS control code and I2C/Bluetooth code

**Questions**

Anything to add for test plan? Second design review, pre-demo demo? Keep plotting or just FFT in background and send information to display?