Team TBD

Meeting 9/19/19 Minutes

* 1st Meeting with Dr. Bolden, our advisor
* Jared has been working on the budget
* Jared’s research
  + Raspberry Pi $35
    - Much more processing power
  + Arduino ~$20
  + ESP32
    - Has wifi and LE Bluetooth support
  + A microcontroller may be better suited for our project
  + Communication:
    - Ethernet from hub to MAHIVE
  + Microcontrollers use much less power than Raspberry Pi (better for battery)

Bruce’s Domain

* Recommended LATEX for creating our PDF

Products requirement document

* Make it organized
* State our value proposition (What we will be adding to the project)
* No certain length requirement.

Logbook requirements

* Need to be written in pen
* Need table of contents
* Put in reflections/summaries
* Avoid talking about other team members
* Does not need lots of images

Portfolio

* Use word or LATEX
* Also doesn’t need lots of images/drawings

Wiki

* Will be a session to help us create it 10/29/19
* Hosted on MindWorks

Design Validation Plan – due 10/24/19

* Framework for testing purposes
* Rough draft

Action List:

* Turn in Budget to Bruce (will be a work in progress)
  + Bruce isn’t super concerned with our budget
  + Follow the template online
  + Team should be identified in budget
  + Turn in via email
* Begin work on Project requirements document
  + Due 9/26
  + Connor
    - Project Requirements 1, 2, 8, 9, 11
    - for regulatory, say something about lead and needing to dispose of properly
  + Jared
    - Project Requirements 5, 6, 10 (From template)
  + Tristan
    - Project Requirements 4 and 7 (From template)

Other notes:

We figured out that using an Arduino Uno may not be possible for this project, as it may not have sufficient memory to process an encryption algorithm

* Found the Arduino MEGA, which has a more powerful processor, memory, and pins
* Can use Arduino Uno Ethernet shield, but it'll cover up pins
  + Tristan pointed out we can still solder to the bottom if we need those pins