

Hardware: Andrew Gates

- Completed – From my To Do from last week I finished setting up and testing our demo/prototype for 2/3 pin digital/analog sensors. This also includes all 16 combinations of bias resistors.
- To Do – Now that our prototype is tested and working, we can move forward with the PCB. Reagan will order it soon so that we have time to test and reorder it if necessary. I will now start to work on adding in the GPIO extender into my prototype to interface our 8 channel relay board into our prototype.
- Noted Problems – No major problems this week. One thing we noted with our prototype is that some bias resistors won’t work with certain sensors, this is expected due to the size of some of the resistors. But we’ll need to find a way to denote this to the user so they know which resistors to use.

Hardware: Andrew Klonitsko

- Completed - Buttons in the interface create new activity when pressed, App is connected to database
- Incomplete - App doesn’t pull anything from the database at it does is makes a connection
- To Do - pull infomation for the database and work with Regan writing mysql code.
- Noted Problems - figuring out what to do with all of the data from the database as well as how often everything needs to be updated. display mutiple graphs all updating at the same time.

GUI/SG sensor: Reagan Stovall

- Completed -
 - update First 5 GUI Pages with new design. When building the timing Page, I learned a fair bit and made a template so that all the pages will be uniform
 - Finish PCB Design and send it off to be fabricated.
- Incomplete -
 - Failed to get the AFE working with the arduino, not much documentation either. I’ll continue trying this next week
- Next Week---
 - Connect the GUI with Andrew’s Backend program and run a basic program.
 - build a display page in the GUI that can read new values and display them. Keep it simple for now.
 - Keep trying to get the ultra sonic sensor to connect and read values
 - Build a table in SQL and connect to it with the Pi
- Mitigation Plan – N/A (On track so far)
- Spec Development – First draft completed, will update with changes as they are made.
- Test Plan – A portion of this was completed along with our spec development. A general outline is made and we will start updating it soon.

week starts on Saturday because we're evil

[illegible]