

**Hardware: Andrew Gates**

- Completed – Relay board and GPIO extender have been tested and experimented with different setups.
- To Do – Update the current Build code to operate our prototype based on the setup arrays that are sent in for settings.
- Noted Problems – Combining our protoype with the relay board space wise will be a bit of a challenge until we get the PCB that we ordered.

**Hardware: Andrew Klonitsko**

- Completed - Phone commuicates with the data base, had to set up XAMMP to work with the phone app
- Incomplete - Have not put real data on the server yet, have not displayed the data on the screen.
- To Do - put real information to the database and make sure everything is working as expected, try to display values on the phone but not yet in graph form.
- Noted Problems - database took a lot more work setting up with the phone then what was expected.

**GUI/SG sensor: Reagan Stovall**

- Completed -
  - Worked more with the TDC1000 and now know that I cannot accurately jugde the settings I’ll need without the corresponding evaluation board and the same frequency Ultrasonic sensors and RTF1000 thermistors. Ordering that this week
- Incomplete -
  - 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.
  - Build a table in SQL and connect to it with the Pi

Notes - I spent a great deal of this last week redesigning the PCB board from the advice I received from Don. I also created a spec sheet specifically for the PCB board as well as an Error log to keep track of changes. I spent a bit of time on the GUI, added pop ups to retrieve email and password fields, a list to show available networks and some small adjustments to the Functions page.

Next Week - All the Incompletes, I was overly ambitious last week.

- Mitigation Plan – N/A (On track so far)
- Spec Development – First draft completed, will update with changes as they are made.
- Test Plan – First draft completed, will update with changes as they are made.