Sprint 2 – 2/26/2021

Sprint Retrospective

What went well this sprint:

* The communication in the last half of the sprint was very good and helped the whole team know what was going on
* We did a good job knowing when to figure things out on our own and through google and when to ask for help on certain tasks
* The GUI design turned out nice and the client was pleased with what we have so far
* We estimated the amount of work each task would take much better than during the first sprint
* We used git very effectively this sprint with various branches, pull requests, and code reviews

What did not go well this sprint:

* We had a rough start to the sprint while we were waiting on Dr. Brevick to help us with the voltage readings. Most of this was situational, however there was some lack of communication as well.
* We had some style issues with code put up for review, these were caught and remedied during code reviews
* We had some misunderstandings about the requirements of certain cards (regarding what was required and what was not required)

New ideas:

* Comments on trello cards as soon as issues arise (already begun a the end of the sprint)
* We began unofficially putting any major updates about a card as a comment on Trello at the very end of the sprint. The new idea is to put more updates on cards as they come up and especially put any issues about a card as a comment as soon as they arise so everyone knows what is happening, especially as we get to more cards that are dependent on each other and since we cannot meet for stand-up every day.

Actions to be taken:

* Add comments on Trello cards as soon as an issue arises as well as any other major updates to the card
* Work on style and comments
  + Break up long methods into smaller ones
  + Do not do everything for a GUI in the constructor
  + Organize methods themselves into smaller blocks of code when possible
  + Make sure comments are added on anything that is not immediately obvious as well as our agreed upon standard of multi-line comments on all protected and private methods and java doc comments on all public methods and classes (except getters and setters)
  + More effective use of whitespace (watch for large amounts of unnecessary space or lack of any whitespace in between smaller chunks of code)
* Read the entire Trello card before starting work to ensure understanding of all the requirements and scope of the card
* Keep communication up!