## **IoT Team's Sprint Testing Problems**

- Running tests by hand requires working on one phone and one durable at a time
- Resetting the app by hand every time following a test case gets extremely tedious
- Team is working on automated test cases, but there is no good way to store and view data collected from the tests
- Current Demo for GUI makes you input each test case by hand for each test run and is hard to look through
- Team is new to Django and code for the current GUI is difficult to understand and hard to scale up

## **Needs and Solutions**

- Storing past test runs to allow for comparing to newer ones
  - Store past test runs in an SQLite database and display them in an organized manner through use of html and JavaScript formatting
- A way to make test runs easily replicable
  - Create "Profiles" for test runs to load up and run with buttons to select more than one test case at a time
- Code that allows for growth
  - Rewrite current GUI to allow for more scalable additions in the future by simplifying the code and making it less specific
- A way to access and change specific parts of test cases
  - An intuitive GUI that allows you to reach any kind of data you need to look at with Code that won't break when you try and change things