Team 7 Sprint One Retrospective

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What Went Well?

As an amateur meteorologist, I would like to navigate the webpage.
As an amateur meteorologist, I would like to view current and historical weather data on the web application.

- Users are able to successfully use and navigate the website and view data that is being pulled from the database.

Non-Functional Code Setup:

- All classes that needed to be written were written and tested correctly.
- The code for interaction between the webapp, server, and database worked well together.
- Fake Data was formatted and inserted into the database and was used for testing.

Non-Functional Architecture Server Side Development:

- The database and phpMyAdmin were both set up correctly and access was distributed to all members.
- The php page to actually post the data from the database to the webapp was written and has successfully posted data to the webapp.

Non-Functional Weather Station Tasks:

- Sensors were researched and bought.
- The Java REST api to poll the Pi for data has been written and is ready to integrate with the webapp and physical Raspberry Pi.
- How-To Documentation for setting up a Pi has been written to the extent it can be so far and will be further filled in and detailed as our project progresses.

What Didn't Go Well?

All of our user stories and tasks that we planned to be completed were completed.

However, even though all of the code was written and was tested and works correctly, some of it could be refactored to work in a more efficient manner. We also had some issues with some Java packages not being available on Windows, so development was a little tricky.

One aspect that did not go well was that our website did not respond to a change in the size of browser windows. Now that we have found this problem, it will be addressed in our next sprint. We will also work to ensure that the web application responds quickly to the user's input.

How We Should Improve?

The responsiveness of our website will be improved to handle different sized windows and mobile browser viewing. Also, now that our basic functionality is mostly complete, we can focus on being able to make each of the separate components of our architecture smoothly integrate with each other. This will require communication between multiple people in the group at once, since different group members will be working on the different components. Moving forward, we will also work to ensure that our product can easily be used.