Sprint 2 Report
Product: Smart Irrigation Backend
Date: November 28, 2015

Actions to Stop Doing

Stop allowing tasks to hang in development limbo

This sprint, our weather data user story was only partially implemented. The part that was implemented was finished almost immediately, but the final touches were repeatedly put off until later. Ultimately, the sprint ended with these final touches unimplemented.

Actions to Start Doing

Start creating light documentation on product functionality to eliminate misunderstandings

This sprint, the role and structure of the API was something that was brought up at nearly every meeting after the API was created. Much of this discussion could have been avoided if a quick document was written describing exactly what the role and structure of the API would be, so there would be no ambiguity.

Actions to Continue Doing

Continue writing code that can be tested without any dependence on outside groups

As we approach the 7th week of the quarter, we have still not had any meaningful updates from the folks in charge of the smart irrigation project. The hardware that our code depends on is still not functional. Fortunately, we have been able to write code to generate our own data to make up for this lack of support or working hardware.

Work Completed/Not Completed

Work completed:

1. As a developer, I want to be able to generate dummy data for testing.
   a. We now have a script that can generate a CSV file filled with random data to test MySQL functions.
2. As an administrator, I want the system to be expandable so I can easily add additional sensors.
   a. We now have a flexible system where different sensor combinations can be accommodated by changing a config file.
3. As a frontend developer, I want to be able to access data through an API.
   a. We now have a working API that supports several functions useful for the frontend team.

Work not Completed:

1. As a user, I want the system to include weather data.

    a. We can now pull weather data from an external API, but we cannot enter it into our database yet.

Work Completion Rate:

Sprint Goals: 95%
Total Project: 65%