Sprint 1 Report
Product : Smart Irrigation, Backend
Team Name : Wubadubdubs
Date : 22 OCT 2015

Actions to Stop Doing:

Stop waiting for more explicit goals from external product owner.

Communications with external elements of the Smart-Irrigation project have frustrated many efforts to move forward with progress due to a lack of firm definitions on project goals for this quarter. Henceforth we will be utilizing more dummy data in proper formats to move forward with the software side of the project without a reliance on hardware configuration and completion.

Actions to Start Doing:

More communication is required with front-end.

A lack of communications has led to some project overlaps which are doubling production time. Most notably, backend created their own database alongside ours. Proper a continuous communication with other assets, as well as the concrete definition of a division of labor will prevent this in the future.

Actions to Continue Doing :

Continue excellent communication inside back-end team.

Our team accomplished all sprint objectives despite being crippled by communication errors and poorly defined initial product feature goals. We managed to accomplish this by remaining flexible and keeping in constant communication via slack and Scrum standups. As a result we were able to quickly and accurately convey any workflow errors that popped up during the sprint and correct them.

Work Completed/Not Completed:

Work Completed :
1.) As a developer, I want physical access to the raspberry pi and project site, so that I can test implementations and ensure proper data polling from sensors.

The site is now accessible and we have acquired the Raspberry Pi for testing and deployment. A clear method of further contact with the site exists for future requirements.

2.) As a developer, I want the data from the raspberry pi to be stored on a MySql database that can be easily queried for data.

Two Pi scripts were written and tested for mass pushes to an Amazon Web Services (AWS) database. This database was then stood up and both scripts were tested and debugged. A test case was written for ease of DB searches and deployed in PERL. After all tests were completed, and all associated tasks were completed, the user story was closed out,

Word Not Completed

3.) As a developer, I want to obtain ssh access from raspberry pi to facilitate easy access to site data from remote terminal.

Unfortunately, the lack of dedicated network administrating personnel, and improper networking configurations, did now allow for direct ssh access from remote IP's to the raspberry Pi. This problem was mitigated by simply extracting the raspberry pi and bringing it off site until further on site testing is required. Due to this being an externally blocked user story. I have not included it in non-completion rates.

Work Completion Rate:

Sprint Goals : 100%
Total Project : 25%