Daily Log

Monday February 10

Began tracking mechanism, by instantiating necessary data structures (a first snapshot array and a second snapshot array that would both continually be updated as new pictures were taken).

Tuesday February 11

Continued tracking mechanism, by setting up method to store the values of what was detected in one picture in first snapshot array and same for what was detected in a new picture in the second snapshot array.

Thursday February 13

Listened to a couple of Syslab talks.

Worked a little more on tracking mechanism, particularly finalizing getting the snapshot array to store the information for what's in the pantry at a certain snapshot in JSON-style objects using the Python json library

Timeline

Date	Goal	Met
1/30/20	Finalize implementation of Raspberry Pi camera module and fully link it to my current processing system. Be able to take pictures and have them process through my system.	Yes/No; Have code for taking pictures and having them be processed, but not able to test because I don't have the camera.
2/6/20	Receive camera and test camera system to see if it's working as it should - make adjustments as necessary.	No; Camera not received yet, and this week was focused on giving and listening to Syslab talks
2/13/20	Make final adjustments to camera system, create fully linked system. Once this is done, move forward with the project (meet with Dr. White to talk about directions - right now I think what I want to do next is refining multiple product integration)	Yes/No; Camera not received yet so no work on camera system, but I did move on to work on tracking mechanism
2/20/20	If I receive camera, finalize camera system and test with Raspberry Pi. If not, continue development of tracking mechanism	
2/27/20	Either continue finalizing camera system (if camera received) or further develop tracking mechanism	

Reflection

Last week was focused on giving and listening to Syslab talks, so I wasn't able to do much actual work on the project. This week, I still haven't received the camera, but I decided that instead of continuing to develop the camera system as far as I can without the actual camera (which is essentially done), I'm going to focus more on the tracking mechanism. So, I began that and have made good headway into that process. Ultimately, my goals for the next 2 weeks are not as rigid, because what I focus on really depends on when I get the camera. When it comes, I'm going to focus on finalizing that, but until then, it'll be work on the tracking mechanism.