Group Name: Jamler

Group Members: Trevor Byler, James Ritchie

Progress Report for the Week of 10/23

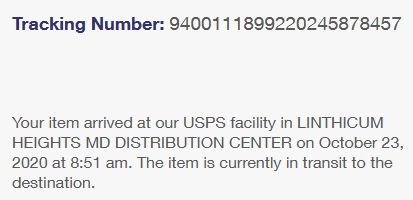
*Summary of tasks accomplished in this week:*

Our group was able to complete our research paper and order two more parts we needed to complete our project (SD card reader & Adafruit 2028 Assembled Pi T-Cobbler Plus - GPIO Breakout)

Also, we were able to familiarize ourselves with the Raspberry Pi and sensors we will be using through Adafruit documentation, general information sources, and other research papers.

*Summary of unfinished tasks and reasoning:*

We were unable to install the operating system on to the Pi yet as the SD card reader has not been delivered, on the evening of 10/22 it said it was out for delivery but that status changed this morning (10/23) to what is pasted below, the hope is it will come tomorrow morning and this task will be completed over the weekend.



*Tasks for the coming week:*

* Complete SD card prep, and OS installation.
* Any other tasks given by instructor.

*Materials Reviewed:*

Raspberry Pi SD card lessons: <https://learn.adafruit.com/adafruit-raspberry-pi-lesson-1-preparing-and-sd-card-for-your-raspberry-pi?view=all>

Sensor: <https://learn.adafruit.com/adafruit-tsl2591?view=all>

Output Light/Driver: <https://learn.adafruit.com/i31fl3731-16x9-charliplexed-pwm-led-driver?view=all>

Raspberry Pi Beginner Guide: <https://www.raspberrypi.org/magpi-issues/Beginners_Guide_v1.pdf>

Research Papers Reviewed:

* <https://www.essoar.org/pdfjs/10.1002/essoar.10500263.1>
* <https://d1wqtxts1xzle7.cloudfront.net/64367159/014%20Automation%20Of%20Procedures%20For%20Experiments%20On%20Hybrid%20Crop%20Drying.pdf?1599428548=&response-content-disposition=inline%3B+filename%3DAutomation_Of_Procedures_For_Experiments.pdf&Expires=1603164912&Signature=EcAWCEfMALzq524cYhTMM9O4NxTikXtBOomZcrE9bUw8L1KHwpIuZ9LEoE7PMehEQdYsCQoOkblpihWssysvPJqJecySv1hScjoUUdemQcU0ng0Y2TXGtgGUvO3jy8nzI2TJv4aVR6wzj4CP3Evh0zf2BBNm0Vn4e21cuYwjx1CXLN~UpyYrsfmNq9NoO6Vos9UosK8MB97AGeWps4q6c19qs1QweL0y7pt1JDsqdXEOA3pQgpaM70xZ2nwJSJ8KajTn2RETEZUllUYoVCmOcoizW1GOfa6XrE8XupRBTniHftql3JaV6nM5Rgah6g46dVWNMAJMXzThPTWBywWOHA__&Key-Pair-Id=APKAJLOHF5GGSLRBV4ZA>
* https://cs.winona.edu/cs-website/current\_students/Projects/CSConference/2015conference.pdf#page=3