

sdmay23-17: CySecAgri

Week 5 Report

October 22 - October 28

Team MembersTom Ruminski — *IoT Devices*David Wolfe — *IoT Devices*Rian Lamarque — *AWS*Elijah Hanson — *AWS*Syed Al-Hussain — *Flutter App*Joe Hunter — *Flutter App***Summary of Progress this Report**

Python CRC check class for sensor data created

LOTS OF AWS UPDATES

Pending Issues

Waiting on parts

Plans for Upcoming Reporting Period

Finish our prototype and demo to professor

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Tom Ruminski	Figured out crc16/kermit algorithm used by the sensors. Converted algorithm to use a lookup table for speed. Created a python script to take hexadecimal input and output the appropriate CRC code.	8	
David Wolfe	Supporting the cloud team in their improvements of lambda functions and message parsing. Also researched more into the specific protocol we will be receiving from our sensors.	4	
Rian Lamarque	Created pipeline to deploy aws changes via terraform, made prototype IoT Rule, SQS and Lambda and starting designing data structure	20	0
Elijah Hanson	Created and started to populate a dynamo database for the app to query. Continued to	5	0

	research how to connect the database to the app.		
Syed Al-Hussain	Started creating flutter application	3	0
Joe Hunter	Created an interface for our dynamo database to display data too. Started work on the actual flutter app that is going to be used.	6	

Gitlab Activity Summary

Nothing to report.
