Team Meeting Minutes & Status Update

Meeting #2
Date: 02/09/2019

Participants:

- Dr Kevin Lee, supervisor, client
- Greg McIntyre

Agenda:

- API aims
- Device interaction
- MQTT aims
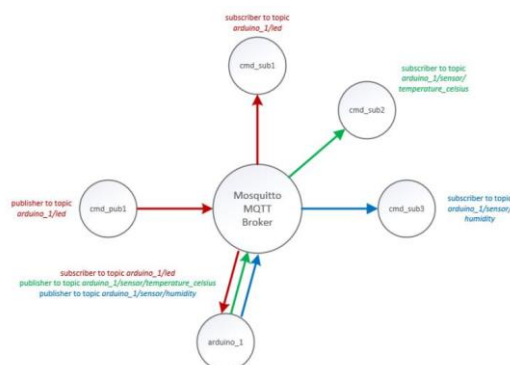- GUI development
- Architecture development
- Documentation

Action Items from Last Meeting (DD/MM/YYYY):

- Develop knowledge to achieve, MQTT communication (pub/sub) using react.js and Arduino, Greg, complete.
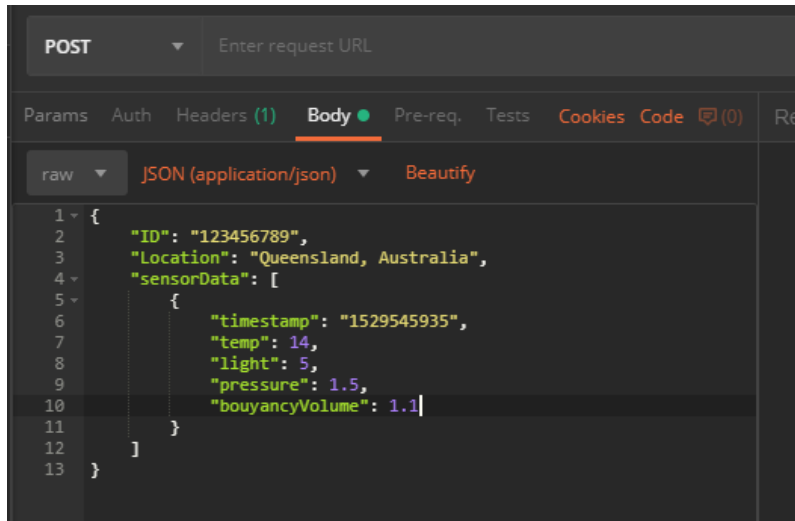- Work on Project proposal documentation, All, Complete.

Minutes:

- API aims, the API should be designed to be able to be passed to and from many different varying devices, MQTT via a webserver would allow for more efficient, IoT communication.

- Device interaction, we want to be able to use varying devices to pass the API data, using a raw, JSON format would be most efficient as we could make

many devices (Arduino, Raspberry PI, other) pass this data and then all the IoT capable devices could communicate effectively

- MQTT aims

We are aiming to use MQTT sue to its versatility, currently we do not have a working system, more time investment is required

- GUI development

Possible directions, AngularJS/react to create responsiveness, sms based alerts, managed by geographical location, Device Type needs to be added, MongoDB for pulling all device data planned for future

Kelp the World

Farm 123456789

Status	Operational
Location	Queensland, Australia
Last Data Timestamp	2/09/2019 11:30
Temperature	14°C
Light	5
Water Pressure	1.5 atm
Bouyancy Volume	1.1 m2

- Architecture development, Documentation

Need to begin documentation, needs to be usable for client and handover (and for the submission of the task)

Decisions:

- nil

Action Items:

- Create an Arduino concept passing data to web service, Greg, 9/02/2019
- Create an initial GUI version, Bronte, 9/02/2019
- Create simple backend receiving from web service, Sean and Greg, 9/02/2019
- Have a simple working prototype, TEAM, 9/02/2019

Previous Meeting Minutes

Meeting #1
Date: 26/08/2019

Participants:

- Dr Kevin Lee, supervisor, client
- Bronte Jurgens
- Greg McIntyre

Agenda:

- Project Proposal clarrification

Action Items from Last Meeting (DD/MM/YYYY):

- Finish project proposal documentation, ALL, Complete
- Begin sprint, develop knowledge, ALL, Complete

Minutes:

- Not recorded

Decisions:

- nil

Action Items:

- Various

Sprint Increment Report

Client/Sponsor:
Academic Supervisor:
Team: *Kelp the World*
Team Members:
- Bronte Jurgens
- Greg McIntyre
- Sean Pain

Dear *Dr Lee,*

We look forward to reporting the progress of this sprint. We have captured the following points to update you on how things are going and if we have encountered any hurdles in our execution.

This recent sprint focused on researching current technologies for the best implementation of this prototype and the coming sprint will focus on *development.*

Outcome(s) of this Sprint:
- Developed knowledge on various modern communication methods and various implementations of these methods, including, MQTT, reactJS.

Activities this Sprint:
- Mostly research, minimal experimentation with technology and hardware.

Activities that will occur next Sprint:
- Development of a prototype Arduino Buoyancy control device, implementation of a web based MQTT service, development of backend nodeJS receiving and interpreting data, development of a initial GUI, showing basic data from nodes

Proposed amendments to Scope:
- nil

Please let us know if you have any questions.

Sincerely,
Kelp the World

Sprint Retrospective

Things the team will START doing:
- Development or project, making and pushing to GitHub
- Recording of work, including hourly status updates of progress
- Prepare weekly meeting documentation earlier to make meetings more efficient

Things the team will CONTINUE doing:
- Communication, documentation of progress

Things the team will STOP doing:
- nil