

# CITS3200 Team 4

## Minutes of Meeting 5, held August 26, 2024

**Present:** Katrina, Fred, Jack, Susheel, Bob, Lilee

**Absent:** n/a

**Location:** Online Meeting via MS Teams

### Agenda Items:

- I. Project Progress, where we are at as a whole
- II. Progress reports (if any)
- III. Jira Board activity
- IV. Discussion Points → Does anyone have questions/concerns to raise?
- V. Task allocation for the coming week.

### 5.1 Progress Reports from Last Week's Tasks

#### - Katrina and Bob

- Katrina wrote up a document planning out various features of the webapp
- Bob created a figma design sheet for the UI/UX of the website, planned out the fulfillment of several of the user stories for Sprint 2
- On the sitemap - **Jack** suggested scope for an additional page with the function of searching through base station devices
- Mentioned talking to Jim about SSO login in next meeting
- Clarification: multiple base station in a search mission
- UI: battery % window and tabs for each device

#### - Jack

- Focused on getting our devices configured to our specific purposes, see branch in Github repo
- Early stages at the moment, Meshtastic phone app might be better but not for setting up many devices at scale
- Documentation in progress, progress overall slow because of lack of devices
- With the scheduler, was able to run with a dummy mesh of 3 nodes working as intended, health checks, telemetry, etc. Needs more testing

#### - Lilee and Susheel

- Backend built the webapp that pulls data from the Azure server and displays it
- Right now working with SPA, but could switch if necessary
- Flask app initialises a Folium map
- Will need to work on a solution to not update the full map with every blob every time
- Susheel documenting documentation of the Flask app, launching and running etc, data storage schemas will be planned, how to store historical searches

- **Fred**
  - Made changes to the main branch on keys being stored. moved function. Added to .gitignore file to prevent key. Worked on code in Linux. Made run\_base\_station func which simulates base station functions. Makes lines for locations, which works. Wants to work on raspi.

## 5.2 Project Progress

- **Katrina**
  - We don't have much going on right now
- **ALL**
  - Are we on track for finishing the project, lots of discussion
  - Do we need a physical progress tracker to help with this perception?

## 5.3 Allocation of Time

- **Susheel and Lilee**
  - Continue working on the backend of the Flask app
  - Edge cases - one trivial issue reuploading data to the same container.
- **Lilee**
  - Storage solution for continuous updating of data, uploading map to Azure server
  - Communicate with code that Freds done
- **Fred and Jack**
  - Setup of RaspberryPi with a LoRa device, getting code running on it
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- **Jack**
  - Developing the scheduler more
  - Testing with distance between devices
  - Robust code overall for the GPS data / uploading to server
- **Katrina**
  - Integration of the frontend and the backend with **Susheel and Lilee**
- **Bob**
  - Azure SSO solution/authentication, sort it out with Jim
  - Setup a standalone site with authentication, then integrate SSO route it to the map page

## 5.4 Meetings

### Susheel

- We should do a standup meeting at the end of the week to reallocate tasks for the study break
- Tentatively Saturday afternoon

### Bob

- Mentor meeting 3:30 Wednesday, Bob will book the room

