

CITS3200 Team 4

Minutes of Meeting 7, held 12th September 2024

Present: Fred, Jack, Susheel, Bob, Lilee

Absent: Katrina

Location: Online

Agenda Items:

- I. Progress Reports (in relation to user stories)
- II. Recap of Client meeting held Tuesday 10th September
- III. Discussions/Questions
- IV. Allocation of Tasks for this week, goals to get done
- V. Sprint 2 discussion

5.1 Progress Reports

Fred

- Base station good progress
- Outdated data sometimes shows up when the GPS signal is weak. Will debug this.

Bob

- Can temporarily issue logins for team to test web-app. Authentication currently working,
- Needs a route for after passing the authentication page, have been researching solutions
- Needed to restructure the repository to allow azure to properly find the app files.
 - We could potentially have a **second** repo for the web-app?
 - For the sake of marking this may not be the best solution.
 - Or we could simply leave the web-app files in the root directory of the project?
- Updated version of the web-app pulls from the main branch of repo.
- Will contact Jim to issue temporary logins for the team
- For the time-being , local testing for the web-app will be ideal to save time.

Lilee

- Added routes to web-app to start and end a search.
- May need to pass coordinates as parameters so that map does not default to a random location to display.
 - Jack has noted that when creating a folium map, we can set average coordinates as per the data that's benign rendered.
 - So as the points are read in, they are automatically centered.
- Added GPX download link to download the GPX file after a search has ended.
- Need to confirm whether we are continuing with the current implementation of translating GPX to GeoJSON or whether we want to deal with a single file format.

- Started work on how we can store historical data in a database. Will do this through Azure but we don't want to keep historical data in the Azure blob containers.
- Created a Sql database to store this data.
- We should include start and end times for a search to allow for tracking search analytics.

Susheel

- Web sockets: Researched a bit into it. Jim said they are a bit of a nice to have, He is happy to refresh the page.
- Possible Optimisation/stretch goal

Jack

- Rendered GPX data file into Folium. Needs small tweaks to ensure the data is correctly captured.
- Concerned with the doubling up of work. Lot's of conversions of data happening which could be finetuned for efficiency. This could be a stretch goal?
- Could we implement only GPX data using the python GPX library (gpxpy) instead of so many data translations?

5.2 Recap of Meeting with Jim

https://docs.google.com/document/d/1-pOsX9XgEPbGpzIT_2dZjLSTKEax7-eaRWvL3Jj1Z_c/edit

- **Support for multiple base stations:**

5.3 Discussion Points

- Katrina absence - what does that mean for us in Sprint 2 workload: Email Micheal
- Mentor Meeting - the 16th, next week would be the last time to book in mentor meeting

5.4 Task Allocation (To be completed by next meeting)

Jack

- Move on to front end

Fred:

- Keep testing devices, help with web-app implementation maybe

Susheel

- Map out the team retrospective and team stories to show Jim.
- Add suitable documentation for routes of the web-app.
- Organize a meeting with Jim either Monday or Tuesday
- Work to ensure the backend is sound and that the database is correctly storing GPX data.

- On hover over pings, we should be able to view telemetry data in a pleasant way. We shouldn't need to hover over each ping to view this **telemetry** data.

Bob:

- Organise meeting with mentor sometime next week (right before sprint 2)
- Authentication routing to homepage following success
- Setting up Azure database
- Helping Susheel with stories

Lilee:

- Working with Fred to change structure of containers
- Working with Bob on the database
- Finish off gpx parser

5.5 Sprint 2 Discussion

<https://docs.google.com/document/d/1uMIHq3xg9cOLfZ5TUGeeqMxwiU7SdGNAz4ol0Jlv4sQ/edit>

Marking Criteria as indicated on Cits3200 Website

- Have we achieved goals set in Sprint 1
- Including documentation docs as part of the Sprint 2 submission
- Minutes of a **Project Retrospective documents**:
- **2 Parts:**
 - **Client Retrospective, Meeting with Jim required:** Team has demonstrated the project as it currently stands to the Client. The minutes should record the team's and the Client's thoughts about the system.
 - **Teams Retrospective:** Team's thoughts (without the Client) about how the project is tracking versus the goals that were set, and in particular how the project is tracking with regard to the expected timeline given on the timesheet. Don't worry if your estimates are out; that is part of the learning experience. Just discuss what you expected, what you observed and why any discrepancies you observe may have arisen.