

CITS3200 Team 4

Minutes of Meeting 10, held 2nd October 2024

Present: Fred, Jack, Susheel, Bob, Lilee

Absent: N/A

Location: Online

Agenda Items:

- I. Progress Reports
- II. Tracking of Jira goals
- III. Discussion and Questions
- IV. Allocation of Tasks for this week
- V. Next Meeting

I. Progress Reports:

Fred

- Connection-loss warning on the sidebar to fulfill one of our user stories.
- 3D-printed a case for the trackers for the demonstration instead of having to carry the devices in tupperware containers.

Bob

- Fixed upload function for db and the db is now functioning properly
- Clean up some of the bugs in the front-end.
- This is a work-in-progress but this needs to be finalised before documentation is started.
 - If we open the web-app in an incognito window. We can use new tabs to start a concurrent search.
 - However the implementation may not work under normal tabs due to the conflict in session information from tabs
 - If we get asked by the auditor why we chose to go ahead like this:
 - We designed this system to be operating from different locations and we aren't assuming that two searches are going to be conducted by the same team, on the same instance of the web-app. Our web-app can support this under incognito, but its not something we expect to see.
 - This is a good reason as to why we chose this design process.
 - Two different computers running a search at the same time can conduct searches independently of one another.
 - Are there issues with multiple sign-ins on different computers? Can the same user login on different devices to conduct independent searches?
 - Should not be an issue as there is not conflicting session information but will formally test this to ensure that its functioning.

- At some point is the end search button going to delete blobs from the azure container?
 - Currently this is not implemented but we should ideally delete data from the blob. The idea is that when a search ends, we pull data from the blob and store it in the db.
 - We could implement this now using `fake_upload.py` to upload test data.

Jack

- Cleaning up a number of bugs in the web-app and pushed the fix to git.
- Map Centering seems to currently center on UWA campus.
- Focussed on mainly formatting and cleaning up the code-base
 - We need to try to be careful with main branch as it is a production branch

Lilee

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- Made a number of adjustments to accessing historical data.
- Need to finalise how the historical page will look like
- Added ability to filter searches and render them to the map.
- This exactly achieves story #4 from sprint 2.
 - Maybe we could pull GPX data from the db and allow user to download it directly? - Bob is happy to work on this.

Susheel

- Working with Fred: Adjustments to front end, filtering the sidebar to only show for a selected amount of time. Filter pings that aren't recent to be filtered out
- Ideas: Just filtering what's displayed on the map, either taking things off map, or reupload same blob
 - Filtering pings upon start time

Actual Feature

- Filtering feature for pings starting from a user selected time
- Jim doesn't want pings from before the search starts, eg driving up the road to the location
- Started Testing Files, "Selenium"
- Susheel has worked with this before, has experience

II. Tracking of Jira Goals/Sprint 2

- Added the need to download a GPX field to the task of displaying Historical data.
- All other Jira goals tracking well

User Interface Design

Jack

Map Centre feature fixed

- Maybe we could move the base-station selection could be moved to the left to fill this dead-space
- We should have all base-stations visible to the user at all times

Susheel

- "Map Skin" simplify the map a bit - Susheel will look into this

Lilee

- Universal Colour Scheme - Perhaps adhere to the CSU colour scheme
- Make the tabs for the navbar a bit larger
- Remove the active tab in the nav-bar

Other

- Could add a naming system for searches as a stretch goal.

III. Discussion and Questions

- Project Demos

- We need to conduct two project demonstrations. Client demo already organized.
- Need to organize Auditor demo which will likely be in-person.

- Stretch Goals

- Anything not in the Sprint 3 stories/ goals could be mentioned as a stretch goal.

- Bugs

- Db doesn't connect until we query it a couple of times. It returns with a driver error and only seems to work when the db page is reloaded. Problem persists even when the web-app is hosted.
 - This could be due to our subscription plan being the most basic one.
 - Could we just refresh the db in the demos? Then when submitting the project to client, we could describe that the issue is due to our plan.

IV. Allocation of Tasks

Fred

- Preparing devices for demonstration, fixing cleaning up base.py code.

Bob

- GPX data download option from database
- Setup guide for Azure resources
- Documentation for web app-
- Organise auditor demonstration

Jack

- Center folium map when data is refreshed
- Active search UI improvements - move base station selection to left column

Lilee

- Working on the historical database UI side of things
- Fixing up Tabs

Susheel

- Selenium tests to target sprint 1 requirements.
- Look into map skins for the folium map which is rendered on the screen.
- Looking into implementing web sockets

V. Next Meeting

- Wednesday 9th October In Person
- Aim to have all functionality **done** by here
- Stories completed, and acceptance tests completed