

MEETING MINUTES

Project: *A Map Management Platform for Self-Driving Cars*

Date of Meeting: 10/05/2021

Location: Zoom Meeting

Chair: Aryaman Dhawan

Time of Meeting: 10 - 11 am

Minutes Prepared By: Jonhatan Cotes

1. Purpose of Meeting

The 10th meeting for the Master of Computing & Innovation Project was held to present the project progress and receive feedback from the client.

2. Attendance at Meeting

Client: Anh-Dzung Doan, Yasir Latif

Project team: Aryaman Dhawan, Huu Thanh Nguyen, Jonhatan Cotes Calderon, Nhu Quynh Hoa (Ruby)

3. Meeting Notes, Decisions, Issues

The team presented the following:

- Thanh: displayed the updated version of the frontend with the following changes:
 - Change the colour of selected sequence.
 - Date filtering for sequences.
- Ruby: presented the UI design.
- Jonhatan: displayed new regions and the job scheduler in the admin site.
- Aryaman: presented an updated version of the nearest neighbour's algorithm considering the Haversine distance.

The client had the following comments regarding the team's presentation:

- Yasir:
 - The date filtering should also filter the scatterplot layer.
 - Change the name of the layers to be more intuitive for the users.
 - Suggestions: Scatter plot to Image locations. Path to Sequence. Heatmap to Distribution.
 - Write a script for the image downloader to be handled by the job scheduler.
 - Question regarding the data accuracy regarding the nearest neighbour's algorithm.
 - What is the cost estimate for webapp publication?
- Dzung:
 - Update the frontend to change the colour of the first selected point in the map.
 - The selected path layer needs to change colour as well.
 - If possible, make a list of pros and cons regarding the technologies available for the webapp publication. The webapp will probably have two different services, one for the frontend (i.e.. Heroku) and another for the backend (either GCP or AWS).
 - If needed, the database technology could be changed to PostgreSQL.

4. Action Items				
Action	Assigned to	Due Date	Status	Followed up by
Reconsidering the usage of Arc Layer	Team	09/05/2021	Complete	Jonhatan Cotes Calderon
Studying on publishing the website	Team	09/05/2021	Complete	Jonhatan Cotes Calderon
Studying how to make the UI more friendly	Nhu Quynh Hoa	09/05/2021	Complete	Jonhatan Cotes Calderon
Finalising the implementation of Quadtree based algorithm to show the comparison results between Quadtree and KDTree algorithms	Aryaman Dhawan	09/05/2021	Complete	Jonhatan Cotes Calderon
Reviewing the meeting minutes	Jonhatan Cotes Calderon	11/05/2021	In progress	Nhu Quynh Hoa
Uploading the finalised meeting minutes to GitHub	Jonhatan Cotes Calderon	11/05/2021	In progress	Nhu Quynh Hoa
Sending the finalised meeting minutes to all attendants	Jonhatan Cotes Calderon	11/05/2021	In progress	Nhu Quynh Hoa
Continuing working on panning and zooming on the map using bounding box dynamically	Jonhatan Cotes Calderon	17/05/2021	In progress	Nhu Quynh Hoa
Highlighting the sequence of the point selected	Huu Thanh Nguyen	17/05/2021	In progress	Jonhatan Cotes Calderon
Filtering the sequences by a date range	Huu Thanh Nguyen	17/05/2021	In progress	Jonhatan Cotes Calderon
Exploring the option of quantising the data upon zooming out/in the map	Team	17/05/2021	Pending	Jonhatan Cotes Calderon
Implementing tooltip for each layer	Team	17/05/2021	Pending	Jonhatan Cotes Calderon
Update UI	Team	17/05/2021	Pending	Huu Thanh Nguyen
Cost estimation regarding the publication of the website via AWS	Aryaman Dhawan	17/05/2021	Pending	Huu Thanh Nguyen
Finalize the nearest neighbour's algorithm	Aryaman Dhawan	17/05/2021	Pending	Jonhatan Cotes Calderon

5. Next Meeting					
Date:	17/05/2021	Time:	10 - 11 am	Location:	<i>Zoom Meeting</i>