

## MEETING MINUTES

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

**Date of Meeting:** 12/04/2021

**Location:** Zoom Meeting

**Chair:** Aryaman Dhawan

**Time of Meeting:** 10 am - 11 am

**Minutes Prepared By:** Jonhatan Cotes

#### 1. Purpose of Meeting

The meeting for the Master of Computing & Innovation Project was held to present the project progress and discuss the next steps to finish milestone 1.

#### 2. Attendance at Meeting

Client: Anh-Dzung Doan

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

#### 3. Meeting Notes, Decisions, Issues

The team presented the status:

- Thanh showed the Frontend progress. Particularly, the feature to display images upon click at a point in the map.
- Jonhatan presented the updated version of the neighbor's algorithm and discussed with Dzung the approach to consider the direction.
- Aryaman explained the Ball Tree algorithm and the difference with the KD Tree.
- Ruby presented the updated Class Diagram.

The client requested the following:

- Regarding the frontend, Thanh needs to develop a dropdown list for the user to select a single sequence and present such sequence. Also, be able to select a specific range of dates.
- For the nearest neighbors algorithm, the solution should store the id of the nearest neighbors of each point in a field in the database. The neighbors should be filtered by an angle (direction) of  $\pm 45^\circ$ .
- After a discussion regarding a possible Benchmark of different neighbor's algorithms. Dzung requested Aryaman to develop an algorithm that provides faster and more accurate results than KDTree.
- Finally, the team should focus on the integration of the backend and the frontend. To display images and points directly from the Database.

**4. Action Items**

<i>Action</i>	<i>Assigned to</i>	<i>Due Date</i>	<i>Status</i>	<i>Followed up by</i>
Reviewing the meeting minutes	Nhu Quynh Hoa	13/04/2021	Finished	Jonhatan Cotes Calderon
Uploading the finalised meeting minutes to GitHub	Jonhatan Cotes Calderon	13/04/2021	Finished	Nhu Quynh Hoa
Sending the finalised meeting minutes to all attendants	Jonhatan Cotes Calderon	13/0/2021	Pending	Nhu Quynh Hoa
Present the sequence dropdown in the front end	Huu Thanh Nguyen	19/04/2021	In progress	Jonhatan Cotes Calderon
Integrate the frontend and the backend	Team	26/04/2021	In progress	Nhu Quynh Hoa
Update the nearest neighbors algorithm to consider direction	Jonhatan Cotes Calderon	19/04/2021	In progress	Nhu Quynh Hoa
Develop the improved nearest neighbors	Aryaman Dhawan	19/04/2021	In progress	Nhu Quynh Hoa

**5. Next Meeting**

Date:	19/04/2021	Time:	10:00 AM	Location:	<i>Zoom Meeting</i>
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