

MEETING MINUTES

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

Date of Meeting: 03/05/2021

Location: Zoom Meeting

Chair: Jonhatan Cotes Calderon

Time of Meeting: 10 - 11 am

Minutes Prepared By: Nhu Quynh Hoa

1. Purpose of Meeting

The 9th meeting for the Master of Computing & Innovation Project was held to present the project progress and discuss the next features to implement in the web app.

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:

- Jonhatan: implementation for panning and zooming feature on the map using bounding box to render sequences and coordinates at different zoom levels
- Jonhatan: neighbour image display functionality with the new change of only neighbours of different sequences shown
- Jonhatan: changes on layer types for selection: polygon layer removed, new layers added (HeatMap Layer, Arc Layer, Hexagon Layer). Layer types can be categorised as sequence-based layers (Path Layer, Arc Layer) and coordinate-based layers (Scatter Plot Layer, HeatMap Layer, Hexagon Layer). The tooltip is currently disabled for the Hexagon layer due to some technical constraints and the team will implement the tooltip for each layer. Arc Layer is useful for conveying the direction of sequences.
- Ruby: finalisation of milestone 2 activities and plan for go-live
- Aryaman: implementation of Quadtree based algorithm

The client requested the following:

- Yasir questioned the usefulness of the Arc Layer as it made the sequences unclear.
- Yasir suggested the team explore the option of quantising the data upon zooming out the web so that only a certain amount of data points are shown according to the zoom level.
- Dzung requested the team to work on two functionalities: highlighting the sequence of the point selected, filtering the sequences by a date range.
- Dzung asked the team to make the user interface more user-friendly.
- Yasir and Dzung agreed on the list of milestone 2 activities and requested the team to publish the website.
- Yasir asked if neighbouring image results had been compared between the 2 algorithms (Quadtree based vs KDTree based)

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	Jonhatan Cotes Calderon	04/05/2021	Pending	Huu Thanh Nguyen
Uploading the finalised meeting minutes to GitHub	Nhu Quynh Hoa	04/05/2021	Pending	Jonhatan Cotes Calderon
Sending the finalised meeting minutes to all attendants	Nhu Quynh Hoa	04/05/2021	Pending	Jonhatan Cotes Calderon
Continuing working on panning and zooming on the map using bounding box dynamically	Jonhatan Cotes Calderon	09/05/2021	In progress	Nhu Quynh Hoa
Implementing tooltip for each layer	Team	09/05/2021	Pending	Jonhatan Cotes Calderon
Reconsidering the usage of Arc Layer	Team	09/05/2021	Pending	Jonhatan Cotes Calderon
Studying on publishing the website	Team	09/05/2021	In progress	Jonhatan Cotes Calderon
Highlighting the sequence of the point selected	Huu Thanh Nguyen	09/05/2021	Pending	Jonhatan Cotes Calderon
Filtering the sequences by a date range	Huu Thanh Nguyen	09/05/2021	In progress	Jonhatan Cotes Calderon
Exploring the option of quantising the data upon zooming out/in the map	Team	09/05/2021	Pending	Jonhatan Cotes Calderon
Studying how to make the UI more friendly	Nhu Quynh Hoa	09/05/2021	Pending	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	In progress	Jonhatan Cotes Calderon

5. Next Meeting

Date:	10/05/2021	Time:	10 - 11 am	Location:	Zoom Meeting
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