

## sdmay19-18: Real time Route Optimization

Week 3 Report

September 24 - October 2

### Team Members

Junjie Wen — *Core Software/Algorithm Developer*

Zhanghao Wen — *Product Manager/Tester*

Yuhang Xie — *Backend Developer*

Xinhe Yang — *Frontend Developer*

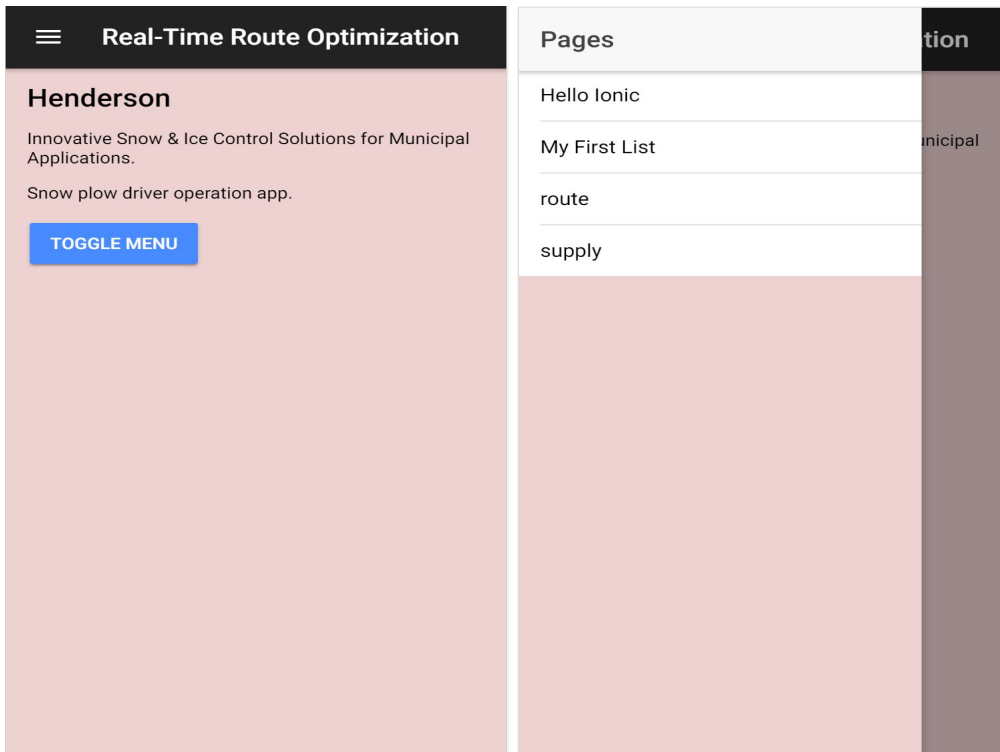
Tianhao Zhao — *Communication Leader*

### Summary of Progress this Report

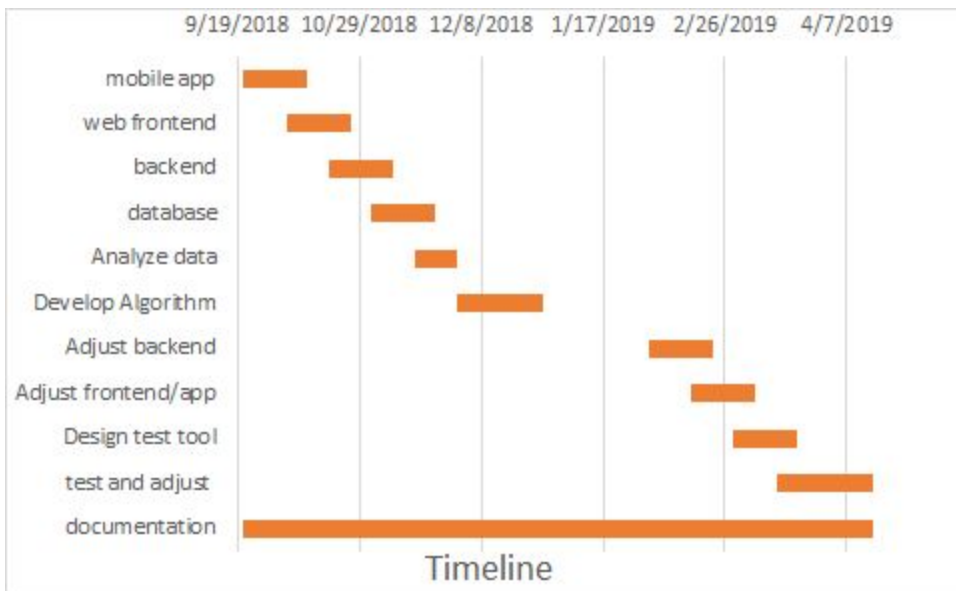
We discussed and created our first version of project plan. It included identifying customer needs, designing solutions and technologies needed, planning the project's timeline, and evaluating the feasibility of the final product.

### Past Week Accomplishments

We build the simple interface of our web and app, but we need further implementation of features.



We discussed our first rough schedules of tasks we have and plan relevant work period for each task.



It includes three main sections of tasks: building the prototype of implementation, adjust the prototype and implement the algorithm, test and record project progress. By split our project into minor goals and tasks, we can track and control our progress and change or adjust the tasks easily in future if we meet some unexpected problems.

### Pending Issues

1. What features should the web app and mobile app include?
2. Which API we should use to show the map?
3. How to show all the trucks dynamically at same time?

### Plans for Upcoming Reporting Period

1. Design the basic interface of the web app and the mobile app
2. Use the Google Map API or other map API to show the map on the web app

### Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Junjie Wen	Contact with the clients and obtain the sample data from them.	8	23
Zhanghao Wen	Learning framework, JavaScript and HTML knowledge and prepare for the development of mobile software in next week.	8	22
Yuhang Xie	After obtaining the data samples, analyzed the data and try to build the most basic server framework	10	24

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Xinhe Yang	Discussed the content of project plan with team member. Chose one feasible map API to show the map clearly and learnt how to use map API to show the map on the webpage.	10	24
Tianhao Zhao	Maintained contact with client and advisor and accurately conveyed customer needs and suggestions to other team members	8	22

**Gitlab Activity Summary**

Action: commented on Oct2 2018

Author: Zhanghao Wen

Title: App interface by Ionic shows Supply, Route, Welcome pages.

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