

sdmay20-22: Real-time Re-Recommendation System for POI Visits

Week 10 Report

February 9 - February 25

Team Members

(Luke) Geng Sun — *Scribe*

Dheepak Nalluri — *Report Manager*

John Smolinski — *Chief Engineer*

James Eehinus — *Database Manager*

Andrew Peters — *Meeting Facilitator*

Summary of Progress this Report

Our objective for this report was to get a hard coded route onto our client such that data received from the server. To achieve this goal, our group had to implement Google Maps API into our client page such that our client was able to fetch maps and trace a route already given to it. Side tasks with this objective is to get our database functional such that the user is able to register and authenticate themselves on login.

Dheepak did some refactoring of the server code such that it became more organized for future development. He also worked on getting the Google Maps API on the web client and created a server websocket that can reply with the hard coded route. Luke worked on getting Google Maps API on the mobile client and implemented a routing system. John got the Google map to display on the web client and helped both Luke and Dheepak get the routing functional. James worked on the server database and its connectivity. He also worked on learning asynchronous functions in Javascript. Andrew worked on routing the web client such that it would divide the client into multiple pages.

A major setback in this sprint is the lack of expertise in the work that we are trying to do. As such, a lot of time by each of our team members was spent trying to figure out the technologies that our framework uses. We also had the career fair and a heavy amount of other work that prevented us from ending this sprint on time, extending it by one week.

The goal for this sprint was to set up a basic hard coded route that the client would get. We accomplished that and therefore this sprint was a success.

Pending Issues

Now that the technologies for the database in Meteor is figured out, we need to implement and use it for the login functionality - James

Some refactoring was done on the server and all branches need to be updated to reflect that. Else merge conflicts will occur - Everyone

The server needs change the websocket functionality changed such that it sends the correct route to the client - Dheepak

Separate the web application into multiple pages - Andrew

Plans for Upcoming Reporting Period

Our goal for the next sprint is to hard code the suggested routes. This entails a hard coded route where the user is able to suggest the destination from a list of locations.

