EE/CprE/SE 492 WEEKLY REPORT 6

Availability Prediction Based on Multi-Context Data

Week 6 Report

3/9/19-3/15/19

sdmay19-33

Client & Advisor: Goce Trajcevski

Team Members:

Justice Wright: Report Facilitator

Shane Impola: Scribe

Noah Chicchelly: Meetings and Communications Facilitator

Nick Schmidt: Software Systems Engineer

Tristan Anderson: Network Systems Engineer

Brendon McGehee: Hardware Systems Engineer

Weekly Summary

With spring break fastly approaching the pressure was on to continue making good progress and leave ourselves a stress free week before we resume development. This was easily accomplished. On the front end some potential new features were discussed for both application and feasibility. They expect to begin implementation upon return from break. Backend continued to improve the speed and form of the structure and worked with the frontend to ensure nothing was compromised in the process. Meanwhile hardware continues to work with assembly and testing of the individual units. Overall a busy productive week.

Past Week Accomplishments

Enclosure preparation - Brendon and Justice

- Completed enclosure modification measurements
- Completed enclosure modification layout in AutoCAD
- Made sure bill of materials was accurate
- Began PCB testing

Backend Cleanups - Noah

- Server side work with Shane
- Continue conversation with Nick and Tristan about use cases and front end developments

Communication & Server - Shane

- Continue to work on adding features and optimize database
- Continue work on implementing algorithm

Front End/Algorithm - Nick and Tristan

- Explored some small additions to the front end utilizing Google API's
- Worked with Noah about optimizing backend structure
- Continued development on algorithm. Nearly happy with first draft

Hours Report

Team Member	Weekly Hours	Total Hours
Justice Wright	5	26
Shane Impola	3	24
Noah Chicchelly	3	27
Nick Schmidt	4	25
Tristan Anderson	5	27
Brendon McGehee	5	30

Upcoming Week

Shane
- Finish polishing backend
- Work on real algorithm implementation

Brendon and Justice
- Complete enclosure modifications
- Finish testing PCBs
- Begin working towards system integration testing with PCB

Noah
- Finish backend modifications
- Ensure correctness of modifications with front end
- Work towards algorithm development again

Tristan
- Work with Nick to finalize first algorithm
- Begin algorithm testing

Nick
- Implement Google API features
- Test Noah's improvements to backend