

sdmay18-23: Internet of Things, Data Analytics for Snow Plow Truck-Data Live

Week 7 Report

October 29 - November 4

Team MembersAlexander Smola — *Design Lead*Alan Peine — *Git Master*Colin Heinrichs — *Test Engineer*Evan Warych — *Report Manager*Michael Entin — *Meeting Reporter*Zachary Wilson — *Meeting Facilitator / Point of Contact***Summary of Progress this Report**

During this reporting period the group continued prototyping the services that will be collecting, converting, and storing the data reported from the live trucks. In the meetings with the client more requirements were settled out including the compression of redundant data, and the potential for an offsite data host so that there would be no security concerns with sending data directly from the data logger to the database without the FTP site middle man. Other files such as the logger file that collects and pushes data was collected for further analysis on how to do so.

Pending Issues

As stated with new requirements comes new issues. The group was tasked with researching web hosting services that could meet our needs as well as come up with a concrete area of work that they would like to concentrate on as development starts soon.

Plans for Upcoming Reporting Period

Everyone was tasked with researching web data hosting, device level data compression, and further work on the second iteration of the project plan.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Alexander Smola	Research into data loggers to add EE elements to project	2	27
Alan Peine	Concentrated on data conversion for live class demo of application	2	32
Colin Heinrichs	Prototype of early data service for demo	2	31
Evan Warych	Revisions to Project Plan 2	2	27
Michael Entin	Project Plan 2 Diagrams and Outlines	5	32
Zachary Wilson	Project Plan 2 revisions	3	29
