

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

Week 6 Report

October 21 - October 28

**Team Members**Alexander 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 week the main goal of the group was to start implementing a service that will take in the reported data and convert it in a desirable manor will be stored into a database. For this service it was decided that an apache thrift script could complete this communication. Very basic configuration files were designed to take in canID, COBID, dates, and a data set to help thrift design the service. Later in the week actual conversion of these bytes was explored.

On Friday we had our weekly meetings with the client and our advisor to report work and clear up questions we had during the design of our service. The client meeting helped clear up misconceptions the we had in the data to properly handle the conversion. In the meeting with our advisor, we were given the goal of solidifying our design documentation as he noticed there were a few discrepancies between our ideas when asked to draw it out.

**Pending Issues**

Solidify component level design and testing per Goce's request on Friday.

Clarify if incoming data is of uniform length, i.e. date, candID, COBID, bytes per message, 8 bytes?

**Plans for Upcoming Reporting Period**

Few meetings to continue working on the function of our data service for the lightening talk on Wednesday as well as working more on the design of the application.

**Individual Contributions**

Team Member	Contribution	Weekly Hours	Total Hours
Alexander Smola	Project Plan work	4	25
Alan Peine	Worked on project plan v2	7	30
Colin Heinrichs	Preliminary work for thrift service prototype	6	29
Evan Warych	Project Plan V2 revisions	4	25
Michael Entin	Project Plan V2 drafting	4	27

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Zachary Wilson	Design Research	4	26