sdmay18-23: Internet of Things, Data Analytics for Snow Plow Truck-Data Live
Week 3 Report
September 21 - September 30

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 reporting period the group met to start on actually designing the main aspects of our project for our project plan. This included design diagrams for the general system such as our server side script that will be collecting the data from the FTP server and populating the database. Then on the other side of things is the client side website pulling the data and visually displaying it. During these talks preliminary designs were discussed for the organization of the database, such as the collections of tables and possible column fields within them.

The group could still not come to a consensus on which technologies to be used for the hosted website, so research is still being completed to narrow down the options. It is very likely that it will be run on some sort of php or java framework.

Pending Issues

When designing the database tables a few questions arose during planning. The group needs to figure out if Henderson Products has any authentication protocols that will need to be implemented from out collection script. Furthermore a we will need to figure out how to know if the script has already read, converted, and stored a file and how a new file will be detected and handled.

Plans for Upcoming Reporting Period

In the upcoming reporting period the group plans to continue with preliminary design discussions. The whole group is tasked with reviewing the possible options for our application to decide which will be best for our cause.

We will also meet with both our adviser and our client this week to settle some questions. Our adviser meeting will be to help us focus our questions for the client, and the client meeting will be to resolve the questions in pending issues as well as any others that arise.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Alexander Smola	Worked with the design layout of the	5	12

	application		
Alan Peine	Researched more into the system that will be used for hosting the data and pulling it into our own database	6	14
Colin Heinrichs	Found multiple frameworks that would be useful for the web application for the group	6	14
Evan Warych	Researched more into possible designs for the database	5	12
Michael Entin	Worked on creating diagrams for report	6	14
Zachary Wilson	Established a conversation with our adviser to help focus our questions with the project moving forward.	5	13