Memorandum

To: Dr. Pennington
Dr. Salamah

From: Team 4 SDAT

Date: 4/17/2013

Re: Requirement Clarification

The purpose of this memo is to get further clarification on some of the features and functions you proposed for the system to have. This will assist us in defining the requirement of the system at this stage of development. This memo will also contain suggested requirements that need your approval or recommend any changes.

How would you like system to ensure the quality of data?
You mentioned that the previous system was using computer science language; are there any definite words or language the scientist would like to use?
What type of scientist will be using the system primarily? For instance Geologist or Meteorologist.
What are some the common use of frequencies when data is being measured? (Minutes, seconds, hours) Can the user specify?
What type of sensor's metadata is presented to the user? For instance serial number.
What type of file formats exist that need to be inputted in the system
A data property can only be private or public at this point, however, would it be necessary if user responsible of a data property can grant access to a certain individuals.

Recommendation
The system will keep a record of a user's full name, title, position, institution and contact email, phone number.
The system will keep track of a data property's author, date created, date modified, and by who.
The system will run on Windows 8, 7 and Mac OS operating system.
The system will allow an authorize user to flag an anomaly, by creating a designated check box near the data property.
The system shall alert an authorize user by email or text when an anomaly occurs.
The system shall generate these types of visual graphs; line, bar, pie graphs.
The system will keep a record of anomaly information which includes the author, timestamp, patterns and scope, graph.