
sdmay18-27: Data Analytic Tools for Inconsistency Detection in Large Data Sets

Week 1 Report

September 9 - September 15

Team Members

Camden Voigt — *Technical Lead*

Christopher Konopka — *Communication Lead*

Logan Heitz — *Project Lead*

Timothy Rogers — *Quality Lead*

Summary of Progress this Report

Scheduled meeting with Kingland for next week to discuss project

Meet with team to review and discuss design thinking document and discuss our development process

MySQL is possibility and is the currently used system for storage by Kingland. Another option is to utilize

MongoDB this option could be better as it will allow for easier conversions from XML into the database.

PostgreSQL is also an option as the performance optimizations it has over SQL which could lead to

improvements in the time of queries. PostgreSQL could also lead to space savings over MySQL, however, it will

require migration of existing records. After researching these we will begin with MySQL for the prototype and

then test other database solutions after the initial version is complete.

Pending Issues

Meet with Kingland to gather requirements and discuss our initial ideas for a solution

Create first version of the project plan

Plans for Upcoming Reporting Period

Meet with Kingland to gather more project information and debrief with the team members that cannot attend after the meeting.

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Camden Voigt	Development of a block diagram for our proposed solution	2	2
Christopher Konopka	Scheduled meeting with client	1	1
Logan Heitz	Research into databases that could be used for this project. Research into MySQL, MongoDB, and PostgreSQL. Further information in summary.	2	2
Timothy Rogers	Gitlab and website setup	2	2