

Data Analytic Tools for Inconsistency Detection in Large Data Sets

Week 5 Report

03/10/2018 – 03/23/2018

Client/Advisor: Kingland Systems, Ying Cai

Team Members/Role:

Logan Heitz – Project Lead

Christopher Konopka – Communication Lead

Camden Voigt – Technical Lead

Timothy Rogers – Quality Lead

Weekly Summary

Past week accomplishments

- Logan:
 - Improved testing coverage of the code by updating existing tests and introducing new tests
 - Added in tests for the DataConfig object
 - Added in tests for the StorageConfig object
 - Added in tests for the KeyElement object
 - Added in tests for the Inconsistency object
 - Updated tests for the Storage module to provide better coverage for new methods
- Christopher:
 - Fixed bug in command line options that crashed the program with certain command line option combinations
 - Testing the program on AWS
 - Created wiki page for the command line options on the project

- Camden:
 - Begin deployment of REST API and frontend on AWS
 - Fixing various bugs in the project
- Timothy:
 - Working on improving tests by removing dependencies on database
 - Introducing Mockito to existing tests so that they will no longer directly be tested with database
 - Creation of integration tests to verify project works with SQL still upon removal of it from other tests

Pending issues

- Logan:
 - Get an initial release version on master that fixes merges in all fixes on develop and get a release tag on it
 - Get a second release version on master that has multi-threading merged in and tag it as a release
- Christopher:
 - Continue testing on AWS and get some performance metrics collected
 - Assemble collected performance metrics to present to advisor
- Camden:
 - Continue work on getting frontend fully deployed on AWS
 - Work on adjusting log levels in the project so that we don't end up printing so much information in each run
- Timothy:
 - Continue improvements of tests and development of integration testing within the project

Individual contributions

Team Member	Weekly Hours	Total Hours
Logan Heitz	12	118
Christopher Konopka	12.5	103
Camden Voigt	12	111

Timothy Rogers	14	116
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Plan for coming week

- Logan:
 - Get an initial release version on master that fixes merges in all fixes on develop and get a release tag on it
 - Get a second release version on master that has multi-threading merged in and tag it as a release
- Christopher:
 - Continue testing on AWS and get some performance metrics collected
 - Assemble collected performance metrics to present to advisor
- Camden:
 - Continue work on getting frontend fully deployed on AWS
 - Work on adjusting log levels in the project so that we don't end up printing so much information in each run
- Timothy:
 - Continue improvements of tests and development of integration testing within the project

Summary of weekly advisor meeting

03/23/2018 Advisor Meeting

- Get performance data finished by the end of the weekend and get a meeting with Kingland scheduled to present this information to them.
- Change existing logs so that debug level to trace log
- Change all the info log to debug log
- Change all the time information to info log level
- Get a release version of the project that fixes all the bugs and does not have multi-threading on the master branch
- Get a second release version of the project that has multi-threading

- Change the configuration of MySQL to improve the query time