EE/CprE/SE 492 – sdmay18-27

Data Analytic Tools for Inconsistency Detection in Large Data Sets

Week 7 Report

04/07/2018 – 04/20/2018

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:
    - Updated Storage module to utilize connection pooling to improve multi-threading performance.
    - Updated logging to reduce the number of printed logs and give summary information once program has successfully terminated.
    - Finished performance testing on AWS instance for multi-threading and single threaded programs.
    - Wrote design and implementation sections for the final report
    - Worked on final poster
    - Created final release of project on master branch
- Christopher:
    - Wrote alternative designs and related works sections of final reports
    - Worked on final poster
- Camden:

- o Updated command line arguments to include option for inconsistency configuration file location.
- o Finished performance testing on local machine for multi-threading and single threaded programs.
- o Created user manual for the project
- o Worked on final poster
- Timothy:
  - o Finished improvements to unit tests
  - o Wrote testing section for final report
  - o Worked on final poster

Pending issues

- Logan:
  - o Finish final report
  - o Finish IRP presentation
- Christopher:
  - o Finish final report
  - o Finish IRP presentation
- Camden:
  - o Finish final report
  - o Finish IRP presentation
- Timothy:
  - o Finish final report
  - o Finish IRP presentation

Individual contributions

Team Member	Weekly Hours	Total Hours
Logan Heitz	15	145
Christopher Konopka	5	120
Camden Voigt	15	140
Timothy Rogers	13	143

Plan for coming week

- Logan:
  - Finish final report
  - Finish IRP presentation
- Christopher:
  - Finish final report
  - Finish IRP presentation
- Camden:
  - Finish final report
  - Finish IRP presentation
- Timothy:
  - Finish final report
  - Finish IRP presentation

Summary of weekly advisor meeting

04/13/2018 Advisor Meeting

- Presented results of performance tests to Dr. Cai
- Dr. Cai will try to get a meeting scheduled with Kingland to go over our final results of the project
- Group will create presentation for Kingland meeting to inform them of our performance results and the final state of the project.