

EE/CprE/SE 491 WEEKLY REPORT 6

3/29/2021 – 4/12/2021

Group number: 26

Project title: Automated Configuration Testing Framework for KBase

Client &/Advisor: Myra Cohen

Team Members/Role:

Daulton Leach: Scrum master / Developer

Hunter Hall: Development

Sergey Gernega: Development

Caleb Meyer: Development

Jake Veatch: Development

Daniel Way: Development

- **Weekly Summary**

The team has been working on minor bug fixes and documenting the code as we prepare for the end of the semester. We have been working on giving the next team a smoother transition into understanding the current work that has been done. We have done numerous minor bug fixes and have been trying to get our Git issues cleaned up as much as possible before the spring term ends. We fixed various bugs in our KBase automation, mainly small timing issues where we decided to give options more time to load or give them a couple tries before throwing an error. We will continue to work on documentation, testing, and refactoring as the semester progresses.

- **Past week accomplishments**

- Daniel Way: Began review and documentation of core work management and GUI

manipulation.

- Jake Veatch: Updated documentation to include examples of configuration files, as well as project motivation and general information.
- Caleb Meyer: Updated the reset functionality of the input flow. Previously it relied on catching an error. It is now updated that it flows normally without having to catch anything.
- Hunter Hall: Fixed a bug with the kbase automated input where the selenium runners were unable to find the input box.
- Sergey Gernega: Fixed globus authentication bug that gets hung up when authenticating in rare instances. Worked on refactoring and bug fixes to get product ready for jar creation.
- Daulton Leach: Worked on abstracting most of the frontend logic for text fields and text areas to super classes. Removed around 300 lines of redundant code while abstracting the functionality making the GUI class easier to work with for the next team.

○ **Pending issues**

- Daniel Way: No real issues; just documentation outstanding.
- Jake Veatch: No issues, updating documentation and squashing any bugs.
- Caleb Meyer: Documentation
- Hunter Hall: Bug fixes
- Sergey Gernega: Bug fixes, documentation. No real issues.
- Daulton Leach: No pending issues. Just working on preparing the project for future teams/users. Ready to be used and deployed in its current state.

○ **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Daniel Way	Reviewing core threading/queueing and beginning documentation for it.	14	71
Jake Veatch	Update README and documentations	12	65
Caleb Meyer	Updated the resetting of the modules so it flows more easily.	12	66
Hunter Hall	Fixed a bug with the kbase automated input	12	66

Sergey Gernega	Fixed Globus authentication hangup bug, refactoring.	14	71
Daulton Leach	Abstracted frontend logic to super classes removing a lot of redundancy. Regression tested the changes.	16	74

○ **Plans for the upcoming week**

- Daniel Way: Continue documentation, begin on poster/presentation/etc.
- Jake Veatch: Work on posters and presentations, update documentation.
- Caleb Meyer: Documentation. Work on class assignments.
- Hunter Hall: Find and fix some remaining bugs in the product and work on the poster and final presentation.
- Sergey Gernega: Work on any pending or found bugs, work on documentation to wrap up projects, refactor code where necessary.
- Daulton Leach: Help the team as appropriate. Continue to document and comment the code for the next team. Fix any simple bugs.

○ **Summary of weekly advisor meeting**

This week we demonstrated our progress as this was our sprint week. We walked through our git repo with our advisor. Our advisor/client is going to follow our readme and download our JAR file to attempt to get our project running on her machine. We discussed the final presentation and discussed doing a rehearsal presentation for our last meeting on the 22nd. We spoke about the progress we would make to finish the semester and it boiled down to minor bug fixes, testing, and documentation.