

Sprint Review Loafr 12/1 - 12/13

12/13/23:

Overview of Sprint:

- In this sprint, the core functionality changes involved modification of the main log file search functionality, and more particularly, the modifications to counting the number of occurrences of a generated log entry result.
- This functionality was broken up into 5 main backlog tasks for the group members. Task 1 involves the implementation of the logic of counting occurrences of a specific search criteria. Task 2 involves proper integration with the search functionality as the usage of the count functionality must be properly integrated with the already existing system. Task 3 involves creating a test.csv file for demonstration and testing purposes. The file "test.csv" within the project has served us well in that regard. Tasks 4 & 5 describe documentation and error handling for the new feature. For these, new test cases were created to ensure that the proper count is being returned, and error handling try catch blocks are in place to ensure that improper key value inputs do not break the system.

Demonstration of Sprint Product:

- The demo video is too large and exceeds the file limit of 100mb for Github so I am going to attach the video separately within the canvas submission.

Backlog Status:

Task 1:

Implement logic to count occurrences of B events within each scenario.

Definition of Done:

Code is written and reviewed.

Counting logic is accurate and efficient.

UI displays summarized results.

Status :: Completed

Reflection:

The actual implementation of the count functionality was successful. We were able to produce the expected results whilst having no impacts upon the success rate of the search functionality.

Task 2:

Integrate the count occurrence logic to display within the command line interface.

Definition of Done:

Code is written and reviewed.

Count occurrences functionality is properly displayed and functional from a user perspective

UI elements reflect search parameters.

Status :: Completed

Reflection:

The integration of the count functionality within the already existing search functionality was ultimately successful despite a few hiccups. For the integration, we were having trouble making sure the count would keep track of prior search iterations. For example, if a search is

run to refine log entries, the refined list should now be the list that is counted from, not the original list. Some debugging had to be done in this respect, but ultimately we succeeded in integrating the two pieces.

Task 3:

Create sample scenarios and log datasets for testing.

Create a unit test to test the new feature

Develop a demo script to showcase the new features.

Definition of Done:

Demo scenarios are created and tested.

Demo script effectively showcases new features.

Status :: Completed

Reflection:

The test.csv file was created and has existed for testing purposes, so the creation of sample scenarios was pre existing and therefore was completed in this sprint. That said, we did not end up creating a demo script that can be run, instead, we recorded a demo video that will be attached instead. A unit test was successfully created as well. This test ensured the proper expected output of the

Task 4:

Implement error handling mechanisms for new scenarios. Provide informative messages to guide users in case of issues.

Definition of Done:

Code is written and reviewed.

Error handling effectively guides users.

Informative messages are displayed.

Status :: Completed

Reflection:

This backlog item was ultimately successful. For the LoafrApp, we wanted to ensure that the user input would never break the application regardless of input. If a user were to input an incorrect key or value, their mistake would be printed and they would be provided the opportunity to retry.

Task 5:

Update documentation, such as the README file and comments, with information on the new features.

Definition of Done:

Documentation is updated and reviewed.

Tutorials or guides are created and tested.

Status :: Completed

Reflection:

The README document was successfully updated to fit the new changes that were incorporated this sprint cycle.

Possible Future Backlog Items:

- Creation of sort functionality to sort log entries based upon key value conditions.
- Creation of filter functionality to only display log entries with certain conditions while the filter is active
- Implementation of batch processing mode where users can run their own scripts
- Upgrade the UI from Command Line interface to a more visual interface in a window or browser.