EE/CprE/SE 492 BI-WEEKLY REPORT 5

10/28/2019 – 11/8/2019

Group number: sddec19-09

Project title: Finding Hay in the Needle Stack

Client &/Advisor: Chad Raddatz & Thomas Daniels

Team Members/Role: Yealim Sung/ Project Leader & Meeting Scribe

Gooi Yin Hong/ Webmaster & Lead Designer

Austin Konsor/ Chief Engineer & Software Architect

Mireille Mwiza Iradukunda/ Test Engineer & Report Manager

Bi-Weekly Summary

These past two weeks,we started working on the front end part, mostly making stub graphs because we had no test result data. We worked on comparing files similarity (edit distance). On tuesday we met with our client to finally get a look at the test result data that is obfuscated. We had our PIRM presentation and got some feedback for our peers. After discussing with our client this week we decided that MongoDB will not be necessary for this project.

Past 2 Weeks Accomplishments

Yealim Sung: These past two weeks I worked on trying to make a graph by fetching data from local MongoDB since Mongo Atlas was still giving problems. Looked into plotting graphs from JSON data format for easier implementation. Also worked on trying out different graphs from Matplotlib.

Gooi Yin Hong: I've mainly been working on the main page of the user interface, integrating Austin's file comparison, refining implementation on getting the test cases and the implementation of the test cases for the file comparison, I've also started looking through the JSON file that was given last Wednesday.

Austin Konsor: I completed an edit-distance calculations to compare files to each other and also completed little touches like auto format and getting rid of comments for comparison. Also adjusting some interface pages such as the test event page.

Mireille Mwiza Iradukunda: These past two weeks, I worked with Matplotlib exploring different options for visualizing data, made a couple of stubs and also started looking into what making interactive graphs

Pending Issues

As a team:
- Get/See access to data and attributes
- Integrate all the pages
- Waiting on stubs for test result data

Individual Roles, Contribution and Time Spent

Name	Role	Contribution	Hours Worked	Hours Cumulative
Yealim Sung	**Project Leader /Meeting Scribe**	Worked on trying to get and plot data from local MongoDB. Generated several example graphs using Matplotlib.	**10**	**34**

Gooi Yin Hong	**Lead Designer/ Web Master**	Worked on the main page of the ui, integrated Austin's file comparison.	**10**	**40**
Austin Konsor	**Chief Engineer/ Software Architect**	Worked on edit-distance, auto format and some UI pages.	**7**	**35**
Mireille Mwiza Iradukunda	**Test Engineer and Report Manager**	Made stubs of graphs with matplotlib and made report	**9**	**36**

Plans for the Upcoming Reporting Period:

As A team:

- Will get done with individual parts and will proceed to merge.
- Get a working prototype.
- Implement real data from the json files to complete the UI and graphs.

Individually

Yealim Sung: Will work with Mireille to work on interactive graphs using JSON data format and to provide better visualization tools.

Gooi Yin Hong: I'll also work on the JSON data, the data was given has a lot of information, trying to get the JSON into a SQL database and try to retrieve related data for the desktop application.

Austin Konsor: Will work on getting a prototype working and merging the different items together.

Mireille Mwiza Iradukunda: I will work on reading JSON result data once the stubs are given to us and work on visualizing them.