
EE/CprE/SE 492 BI-WEEKLY REPORT 6

11/11/2019 – 11/22/2019

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

For these past two weeks, we had good progress, we were able to put the prototype together and demo it to Tom Daniels, We also planned on testing our prototype with Collins Aerospace's real data at their office but were not able to because the client was got other responsibilities that did not allow them to make it to the facility on the planned day, instead we had a demo using our mock data.

Past 2 Weeks Accomplishments

Yealim Sung: I have been working on generating graphs using the JSON data. The graph compares the number of passes and failures. Also tried to generate graph with multiple variables. Was able to sort the data by start date so that we can generate graph with top 10 recent test run event.

Gooi Yin Hong: I have created a library of functions that is able to extract data easily from the JSON file, integrated Yealim's graph, create dynamic graphs that is able to receive multiple functions and make it interactive by showing information on each point.

Austin Konsor: I have been creating an edit distance page and also a historical data page to prepare for our demo.

Mireille Mwiza Iradukunda: I have been working on graphs using the mock test data. There are different data sets available so I have been trying out graphing different ones to see what would be best for displaying results

Pending Issues

As a team:

- Testing on real data at facility
- Integrate all the pages

Individual Roles, Contribution and Time Spent

Name	Role	Contribution	Hours Worked	Hours Cumulative
Yealim Sung	Project Leader /Meeting Scribe	Tried out different graphs using the JSON data and matplotlib library.	10	44
Gooi Yin Hong	Lead Designer/ Web Master	I have created a library of functions that is able to extract data easily from the	12	52

		JSON file, integrated Yealim's graph and also create mouse interface to the graphs		
Austin Konsor	Chief Engineer/ Software Architect	I worked on an edit distance page and historical data page.	10	45
Mireille Mwiza Iradukunda	Test Engineer and Report Manager	Made graphs with matplotlib and made report	6	42

Plans for the Upcoming Reporting Period:

As A team:

- Will test on real collins data
- Start working on the final presentation

Individually

Yealim Sung: Will work on making graphs with different circle size and different shape variable for better visual when variables have the same value results. Will try to work on finalizing the project and final documents.

Gooi Yin Hong: After receiving reviews from our advisor and from our client. I will try to improve the graph by having more meaningful visuals & labels, create tables that shows the passing percentage of a test_runs.

Austin Konsor: After our meeting with collins I will adjust and make changes to what we have now and finish the historical data to prepare for our final demo and presentation.

Mireille Mwiza Iradukunda: Will improve graphs as per suggestions from client and advisor. Will also get started on our poster and final report.