
EE/CprE/SE 491 WEEKLY REPORT 5

3/11/2019 – 3/15/2019

Group number: sddec19-09

Project title: Finding Hay in the Needle Stack

Client &/Advisor: Andy Zobro & Srikanta Tirthapura

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

Weekly Summary

This week's goal was to meet with our client in person at the research facility. We were able to do that on tuesday from 12:40 pm to 4:40 pm. We had very constructive conversations about the project as a whole, they explained the scope on a deeper level and we feel like we have a clearer understanding. We also had our weekly meeting on monday at 4:00 pm preparing for our meeting with the client and then later met to discuss our design document assignment on wednesday at 8:00 pm. We were able to submit our Intellectual Properties form to our professor as well. We have been able to communicate with our faculty advisor and he advised us on some of the questions to ask our client to get a better understanding.

Past Week Accomplishments

Yealim Sung: Getting familiar with Python 3. Looking into how to use MongoDB. Drew out a sample output to understand the client needs.

Gooi Yin Hong: After the meeting with our clients in the facility research, I have been looking further into the usage of Dictionary, specifically how to build dictionaries incrementally. I am also been figuring out how to structure the data structure using the dictionary.

Austin Konsor: After meeting with the clients, I have also been looking into data visualization and exploring different ways to output the final product. Adjusted our project plan given our better knowledge of the project.

Mireille Mwiza Iradukunda: This past week, I started looking into tools for data visualization and familiarizing myself with it and wrote up the report. I also started on the design document with my team since the assignment's due date is close.

Pending Issues

As a team:

- We are still gathering information for the project before getting started.
- Two more documents yet to turn in.

Individual Roles, Contribution and Time Spent

Name	Role	Contribution	Hours Worked	Hours Cumulative
Yealim Sung	Project Leader /Meeting Scribe	Worked with Python and looked into MongoDB	4	25
Gooi Yin Hong	Lead Designer/ Web Master	Working on the data structure with dictionaries	4	22

Austin Konsor	Chief Engineer/ Software Architect	Looked into data visualization and possible outputs	5	20
Mireille Mwiza Iradukunda	Test Engineer and Report Manager	Looked into data visualization tools and made the report	5	20

Plans for the Upcoming Reporting Period:

As A team:

- Work on Design document Assignment
- Get a better understanding of the data we will be using.
- Learn more about APIs that will be used in this project

Individually

Yealim Sung: Will draw a detailed design of output and visualization for the design document. Will familiarize myself with using MongoDB and figure out what format do we want to store the data.

Gooi Yin Hong: I will be working on the “Design Analysis”, “Design Specification” and the “Hardware and software” part of the design document. And I will also come out with a data structure and will discuss how we could use it.

Austin Konsor: I will work on the introduction and conclusion sections of the design document and testing possible outputs will small sample data.

Mireille Mwiza Iradukunda: I will be working on a portion of the design document and will keep exploring tools of data visualization.