EE/CprE/SE 491 WEEKLY REPORT 2

2/11/2019 – 2/15/2019

Group number: sddec19-09

Project title: Finding Hay in the Needle Stack

Client &/Advisor: Andy Zobro & Srikanta Tirthapura

Team Members/Role: Yealim Sung/ Meeting Scribe

Gooi Yin Hong/ Meeting Facilitator

Austin Konsor/ Chief Engineer

Mireille Mwiza Iradukunda/ Test Engineer & Report Manager

Weekly Summary

This week's goal was to meet with the client and discuss our project further so, we had our first meeting with the client over zoom. He went over the project and what we are required to do for this project. He briefly went over their problem statement and their suggested solution. We understood that we are expected to develop a tool in Python that helps Collins Aerospace assess their tests, Determine which "tests" are recommended to save cost and how tests have performed historically. We also discussed Intellectual Property. As of now the client is still trying to find a way to give us access to their facility at ISU Research Park. This will be the only place they prefer we do any development of the application, because of the company's policies. We also discussed what measures would be taken if a third party tool was to be developed. Finally, we decided to move our meeting time every Tuesday from 1:15 pm to 2 pm instead of 12:35 pm. Our weekly meeting without the client will be happening on Mondays at 4 pm.

Past Week Accomplishments

Yealim Sung: Emailed the status report to the client and the advisor. Booked the library room for the first online meeting with the client. Uploaded the status report to the team website. Going through the Python tutorial.

Gooi Yin Hong: There are many things that are pending and still needs confirmation. Learning the basics of Python and revising MySQL, as they are the main languages we will be using for this project.

Austin Konsor: I researched data mining and big data techniques to prepare for when we receive the data that we'll be working with. I also was learning how to use SQL within a Python program, realizing that data frames will be of large use to us.

Mireille Mwiza Iradukunda: After the Tuesday meeting, I started learning Python through tutorials on W3 Schools and YouTube, so far I have spent about 4 hours learning. Given the fact that We have not gotten any access to their power point for me to review the problem statement, I felt like this was the right thing to do for now since our tool will be in Python.

Pending Issues

As a team:
- We are waiting to hear back from the faculty advisor
- We still have not gotten access to the facility and it's the where data and all the tools are located.

Individual Roles, Contribution and Time Spent

Name	Role	Contribution	Hours Worked	Hours Cumulative

Yealim Sung	Meeting Scribe	Learning Python, emailed the Client and Advisor.	4	10
Gooi Yin Hong	Meeting Facilitator	Started learning Python and revising MySQL.	4	6
Austin Konsor	Chief Engineer	Researched Data mining techniques and SQL within Python	3	5
Mireille Mwiza Iradukunda	Test Engineer and Report Manager	Learning Python	4	6

Plans for the Upcoming Reporting Period:

As A team:

- Hopefully, be able to gain access to ISU Research Park and visit the workplace.
- Get a better understanding of the data we will be using, which is still being discussed on the Collins Aerospace Side
- Get access to the powerpoint of the problem statement, as for now we still do not have security clearance to access it. That way we will get a further understanding of the problem statement.
- Getting Intellectual property papers signed by the client.
- Work on the Project Plan

Individually

Yealim Sung: I will work on improving my skills on Python and MySQL until further details are discussed. Will try to organize our team roles better on the upcoming meeting and continue to book the library room for our weekly web conference.

Gooi Yin Hong: Work on learning python and MySQL, and learn how Python could be used in database applications. Have the team discuss what we should clarify with our client, in the hope to remove our confusion.

Austin Konsor: Along with the rest of the team, we need to list specific questions to ask the client to get a better understanding of where to start. Also we would like to meet with our faculty advisor. I have a decent understand of using python in Big Data terms, but I could gain a deeper knowledge of how to use it with files and the ability to build a data frame out of given files.

Mireille Mwiza Iradukunda: Go to see our faculty Advisor during his office hours in hopes to get connected with him and introduce the whole team. Keep learning Python and if we get access to the facility and tools, I will start to learn how I could apply what I am learning to what is needed for our project.