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## **EE/CprE/SE 491 WEEKLY REPORT 3**

**2/24/2019 – 3/1/2019**

**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**

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### **Weekly Summary**

This week's goal was to get in contact with our faculty advisor, which was not successful. We attempted to go to his office as a team, we contacted our professor and sent him an email which resulted into nothing once more. On the other side we had good news come from our client. During our meeting on tuesday at 1:15 pm, we were told that we were getting access soon. The only thing that is holding us behind is that they are still getting us a laptop to be used at the facility. Once we get it, we will be able to access their offices with a chaperone on spot at all times. We were also told that we could start looking at a possibility of starting to work on the front end of our tool soon and were given permission to use our team repository on GitLab for now. As a team we met on monday at 4:45pm and worked on our reflection.

### **Past Week Accomplishments**

**Yealim Sung:** Emailed the status report to the client and the adviser. Emailed the lecturer about our adviser again. Went through the tutorial about the matplotlib and seaborn pair plot which could help with our output from the project. Went through the Hadoop MapReduce function.

**Gooi Yin Hong:** Updated our team websites. Learned functions and modules, control structures, Exceptions and Files, and Functional Programming of Python.

**Austin Konsor:** I have started to build a prototype. With what we have, I have specifically started the front end which is a simple one line input and outputs a chart.

**Mireille Mwiza Iradukunda:** This past week, I kept on working on personal progress with Python given the fact that it is all we could do as a team so far. I spent some hours practicing with some Python scripts and kept using Youtube a resource. I also wrote the report for our status

## 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.
- We are waiting on client to provide us with machines to work on at the facility.

## Individual Roles, Contribution and Time Spent

Name	Role	Contribution	Hours Worked	Hours Cumulative
Yealim Sung	Project Leader	Went through tutorials and handled communication with	6	16

	<b>/Meeting Scribe</b>	client		
<b>Gooi Yin Hong</b>	<b>Lead Designer/ Web Master</b>	Updated team website and learned python	<b>5</b>	<b>11</b>
<b>Austin Konsor</b>	<b>Chief Engineer/ Software Architect</b>	Began to build user interface.	<b>5</b>	<b>10</b>
<b>Mireille Mwiza Iradukunda</b>	<b>Test Engineer and Report Manager</b>	Learning Python and made report	<b>5</b>	<b>11</b>

### **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.

#### **Individually**

**Yealim Sung:** I will try to write a simple MapReduce function to go through multiple files. Will continue to explore python dataframe libraries to see if we can use any other features.

**Gooi Yin Hong:** Continue learning Object Oriented Programming. I've also started html and php hosting on my raspberry pi, I'm exploring more platform options that we could use to develop the application.

**Austin Konsor:** Continue to work on the prototype user interface, and using a keyword to search through multiple files with Yealim's MapReduce to find a match.

**Mireille Mwiza Iradukunda:** We are expecting to get access to the facility soon so I will be able to look at the powerpoint and the data and get more understanding. I am hoping to learn about data mining next.