EE/CprE/SE 491 WEEKLY REPORT 2

2/6/2023–2/12/2023

Group number: 4

Project title: CLARE: The Lab Availability Tracker

Client &/Advisor: Mohamed Selim/Ahmed Nazar

Team Members/Role:
Evan Uhlmeyer - TBD
Frank Sullivan - TBD
Jorge Ortiz - TBD
Tyler Rolston - TBD
Joel Neppel - TBD

- **Weekly Summary**
  - This week, our group started on research tasks as defined by our first report. Midweek we got a response from ETG after reaching out about collecting camera/computer use data indicating that they already have limited tracking for lab usage set up. This has significantly affected the scope of our project, and we are currently communicating with our Client and Advisor about how to move forward with our project. Because of this, we have not decided on concrete plans for the next week. These will likely be decided after our Advisor meeting on Wednesday.

- **Past week accomplishments**
  - Evan Uhlmeyer: Spent time looking at room reservation system that the Student Innovation Center uses. Attended impromptu meeting with Client and Advisor after hearing from ETG that some tracking is already in place.
  - Jorge Ortiz: Researched how to acquire a domain from Iowa State and emailed ETG asking about computer usage stats.
  - Joel Neppel:
    - ETG already has a way to monitor desktop usage using LabStats, so we will not need sensors for this.
    - Researched existing solutions by Teem, Smartway, and other companies.
    - We will not be using these prebuilt solutions because they are more focused on reservations instead of real-time usage and are expensive.
    - The companies have some good ideas we could use, although we would probably do it without dedicated hardware.
  - Tyler Rolston: Met with advisor to discuss how ETG's usage of LabStats affects our project and whether we will have access to the API that is currently being used

- **Pending issues**
  - Frank Sullivan: Per ETG, we will be unable to access security camera footage from the labs, so the machine learning approach (YOLOv5) is no longer valid.

o **Individual contributions**

NAME	Individual Contributions	Hours this week	HOURS cumulative
Evan Uhlmeyer	Researched room reservation system at Student Innovation Center, attended impromptu meeting with Advisor	1	2
Jorge Ortiz	Researched how to acquire a domain from Iowa State and emailed ETG asking about computer usage stats.	1	2
Joel Neppel	Researched existing room and desk reservation systems	2	3
Tyler Rolston	Met with advisor, performed research on LabStats and ETG's current solution for tracking lab usage	1	2

o **Plans for the upcoming week**
- N/A for the time being with uncertainty in terms of project scope. This will be decided after more communication between our team, our Client/Advisor, and ETG. Plans will likely be made at our weekly meeting on Wednesday.
- Jorge Ortiz: Will send an email to ETG asking how to acquire domain from Iowa State.
- Research website technologies, potentially start on website

o **Summary of weekly advisor meeting**
- Weekly meeting was originally not planned to be held this week. After our contact with ETG, we decided to have a short meeting with Ahmed. Our whole group was not there because of the short notice.
- The focus of the weekly meeting was to discuss the path forward after the new info from ETG. The decision was made to have our Client, Mohamed Selim reach out to ETG personally on behalf of the group.