
EE/CprE/SE 491 WEEKLY REPORT 3

2/13/2023–2/19/2023

Group number: 4

Project title: CLARE: The Lab Availability Tracker

Client &/Advisor: Mohamed Selim/Ahmed Nazar

Team Members/Role:

Evan Uhlmeyer - Meeting leader

Frank Sullivan - Team website manager

Jorge Ortiz - Main client contact

Tyler Rolston - ETG and external contact

Joel Neppel - Course assignment manager

○ **Weekly Summary**

- We met with our client again and discussed how to best use the data provided by ETG. We will be looking into making a more user-friendly website to display lab usage along with having Canvas integration for convenient access. These goals rely on access to the data being used by ETG, so we will have a meeting with them to discuss getting access to it along with what data is being collected and its limitations.

○ **Past week accomplishments**

- Joel Neppel:
 - Looked into the LabStats service ETG is using – listed cost is \$14/desktop per year which, depending on what data it collects, we can make a replacement to reduce ETG costs.
 - Began researching Canvas app development
- Jorge Ortiz:
 - Looked into Canvas tools and began researching LTI
- Tyler Rolston:
 - experimented with the API for classes.iastate.edu
- Frank Sullivan:
 - Added basic info to the group's senior design project website
 - Began investigating data tables on LabStats lab availability page (documented some variables used to populate frontend tables)
- Evan Uhlmeyer:
 - Searched Iowa State resources on Canvas to see if there is an ISU created guide on apps

- **Pending issues** *(If applicable: Were there any unexpected complications? Please elaborate.)*
 - Joel Neppel: N/A
 - Jorge Ortiz: N/A
 - Tyler Rolston: N/A
 - Frank Sullivan: Able to see table variable names, unable to determine where data is retrieved from
 - Evan Uhlmeier: N/A

<u>NAME</u>	<u>Individual Contributions</u> <i>(Quick list of contributions. This should be short.)</i>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Joel Neppel	LabStats and Canvas research	2	5
Jorge Ortiz	LTI and canvas development research	2	4
Tyler Rolston	Classes API experiments	2	4
Frank Sullivan	Worked on senior design site, looked at LabStats data tables	2	3
Evan Uhlmeier	Searched ISU Canvas resources	1	3

○ **Plans for the upcoming week**

- Joel Neppel:
 - Research Canvas apps more, specifically using the test course the client is providing to see what is available.
- Jorge Ortiz:
 - Research more about how to integrate apps into Canvas
- Tyler Rolston:
 - Draft python controller for the classes API
- Frank Sullivan:
 - Restructure senior design team website (tabs instead of one page?)
 - Add more info to website (group member bio, expanded project overview)
 - Continue investigating data tables on existing LabStats site
- Evan Uhlmeier:
 - Reach out to Iowa State IT about the process for creating Canvas apps
 - Reach out through formal channels (solution center)
 - Reach out to former co-workers from when I worked in IT

○ **Summary of weekly advisor meeting**

- Discussed the current state of the lab usage site provided by ETG and how to improve it.
- Assigned tasks to team members for researching how to make a new lab usage website and integrate it into Canvas.