
EE/CprE/SE 491 WEEKLY REPORT 11

9/3/23 - 9/16/23

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**

- Reviewed project status and presentation feedback from last semester
- Brainstormed and discussed features to add to the project

○ **Past week accomplishments**

- Evan Uhlmeyer
 - Brainstormed project ideas
 - Contacted CELT again about Canvas Integration
 - Requested and acquired a remote PC from ETG
 - Started research into IR door sensors
- Tyler Rolston
 - Project ideation
 - Research for syscalls to manage login information and subnet addresses
- Joel Neppel
 - Brainstormed some new ideas for the project
 - Had some short discussions with others about this semester's plan
 - Looked into camera attention
 - Began looking at codeless website development solutions
- Frank Sullivan
 - Began researching camera attention
 - Looked into training attention models for YOLOv5

- Jorge Ortiz
 - Brainstormed additions to project
 - Brushed up on previous work last semester
 - Looked into codeless solutions for UI
 - Began development of UI prototype

Individual contributions

<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	Website codeless solution research	3	26
Jorge Ortiz	Codeless solution research, UI Development	4	32
Tyler Rolston	Syscall research	3	25
Frank Sullivan	Camera attention research, YOLOv5 attention models	3	24
Evan Uhlmeier	Contacted CELT & ETG, IR research	4	26

○ Plans for the upcoming week

- Evan Uhlmeier
 - Set up camera detection algorithm to run on remote PC
 - Research IR sensors
 - Follow up with CELT
- Tyler Rolston
 - Text-based application to continuously analyze camera frames
 - Syscall experiments
- Joel Neppel
 - Continue on codeless website design
- Frank Sullivan
 - Investigate options for better datasets
 - Attempt training YOLOv5 transformer model
 - Experiment with VM
- Jorge Ortiz
 - Create prototype of UI, get website to be able to process and show information