
EE/CprE/SE 491 WEEKLY REPORT 7

3/13/2023 - 4/2/2023

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**

- Everyone began experimenting with OpenCV/YOLOv5
- The team split up into 3 groups with different tasks: research Canvas integration, begin database design, and in-depth experimentation with YOLOv5

○ **Past week accomplishments**

- Evan Uhlmeyer
 - Worked with OpenCV
 - Got a basic test with YOLOv5 working, was able to draw detection boxes around webcam video
 - Continued to learn PHP
- Tyler Rolston
 - OpenCV tutorial
- Joel Neppel
 - Got a basic OpenCV script running to learn how it works
 - Began thinking about how to organize lab data in a database
 - Looked into SQL syntax
- Frank Sullivan
 - Experimented with YOLOv5 detection methods
- Jorge Ortiz:
 - Finished setting up OpenCV, ran basic script to familiarize myself

○ **Pending issues**

○ **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	Database design	2	12
Jorge Ortiz	OpenCV	1	10
Tyler Rolston	OpenCV tutorial	2	12
Frank Sullivan	YOLOv5 experimentation	1	9
Evan Uhlmeyer	OpenCV/Yolov5 experimentation	2	11

○ **Plans for the upcoming week** *(Please describe duties for the upcoming week for each member. What is(are) the task(s)?, Who will contribute to it? Be as concise as possible.)*

- Evan Uhlmeyer
 - Continue testing with YOLOv5
 - Continue learning PHP
 - Try using a LTI simulator to test out an LTI launch PHP script
- Tyler Rolston
 - More training on OpenCV, start on the database
- Joel Neppel
 - Continue with database design
 - Continue website design
- Frank Sullivan
 - Create a test script that uses YOLOv5
- Jorge Ortiz
 - Work with Evan Uhlmeyer on Canvas Integration