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**EE/CprE/SE 491 WEEKLY REPORT 12**

**9/17/23 - 9/27/23**

**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**

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○ **Weekly Summary**

- Created mock UI for website appearance
- Experimented with BudiBase for website functionality
- Initial testing on remote PC, investigating log tracking

○ **Past week accomplishments**

- Evan Uhlmeyer
  - Received remote PC from ETG
  - Set up Yolov5 on the remote PC, ensured camera script can run
  - Did research into log on tracking
    - Starting on Linux, figured out how to make a script run at an interval and log users logged in as long as the pc is on
- Tyler Rolston
  - Experimentation with Linux login tracking
- Joel Neppel
  - Experimented more with using BudiBase for our website
  - Discussed which tools we will be using for the website
  - Began looking into handling the Canvas POST request with BudiBase
- Frank Sullivan
  - Experimented with camera script on VM
  - Investigated attention/transformer model for YOLOv5

- Began attempting training new datasets
- Jorge Ortiz
  - Created prototype website using flask
  - Discussed alternatives such as BudiBase

## 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	BudiBase website design	12	38
Jorge Ortiz	Flask Website and UI design	10	42
Tyler Rolston	Linux login tracking	4	29
Frank Sullivan	YOLOv5 dataset experimentation	5	29
Evan Uhlmeier	Set up remote PC Begin PC tracking SW	8	34

### ○ Plans for the upcoming week

- Evan Uhlmeier
  - Continue work on computer tracking
    - Figure out how to send logging results from my Linux laptop to the remote PC and store them
    - Start working on a similar implementation for Windows
  - Look into light door sensors
- Tyler Rolston
  - Create prototype for login tracker master
  - Research Linux task scheduling
- Joel Neppel
  - Set up database on server
  - Continue website design, integrate MySQL database
- Frank Sullivan
  - Look into newer versions of YOLOv5
  - Train YOLO on at least one new dataset
  - Figure out how YOLOv5 transformer model works
- Jorge Ortiz
  - Help setup database on the server
  - Configure backend
  - Investigate LTI requests