

Team/Instructor scrum #4

Team member & project (re)introductions

We are team rubber duck solutions and our project F.L.O.A.T. (Facilitating Level Objectives Assessment Technology) is an automated system that identifies litter through a live feed and collects water parameters.

Carter Brezinski: AI and Back-end Lead

Jonathan Vargas: Front end Lead and Project manager

Scrum dates

Oct.22, 2021 - Nov.26, 2021

Status description

Despite some recent personal developments, we are on track to making good development for MVP 1 (To provide a public site with a live video feed).

Some comments that came up were:

To increase the frequency of internal team meetings

Delay hardware aspect to far-future MVPs

Individual contributions

Jon:

- Compared different server stacks
- Started implementing LAMP stack

Carter:

- Develop live webcam functionality with generic object detection dataset
- Begin working on the integration of litter dataset into google collab

Project issues

The only issue encountered in this scrum was in regards to integrating our new dataset into the current google collab setup within python. It's being uncooperative.

Project changes

As stated, before we will be focused on creating a system that provides feedback on the water quality. Hardware development will be out of the scope of this cap stone term.

Documentation overview and/or project demo

We have added a flow diagram of how our current image recognition system operates.

Next up

For the next scrum meetup, we are looking to combine our individual work to form up our mvp1.

Jon:

- Continue Implementing LAMP stack
- Update User story map
- Provide sketches for in-app knowledge management system

Carter:

- Change what is in the colab to contain our focused dataset on the garbage and not the 'common' object detection.
- See if there is a logical way for me to export my code from google colab and potentially have it present on our groups GitHub.
- Communication between yolov4 python script and our server

Team reflection

Discuss:

- Does the team feel "on track"? (reiterate the above colour status)

Overall, we are on track with development. We are going to refine our project scope iteratively to provide a plan outside of this capstone.

- What progress does the team particularly feel good (great) about?

We feel we have reached a milestone when Carter provided a working live feed image recognition system.

- What barriers (if any) does the team feel are a current impediment to success?

Figuring out software compatibility with Yolo v4 and AWS will be an interesting challenge.

- What help (if any) does the team require to move positively forward?

We may seek testing sooner than planned. If we may be able to borrow a GoPro from anyone until we can acquire our own that will be helpful.

- What questions or concerns does the team have (if any)?

N/A