Team/Instructor scrum #2

Team member & project (re)introductions

We are team rubber duck solutions and our project F.L.O.A.T. (FINDING LITTERED OBJECTS AUTOMATED TECHNOLOGY) is an image recognition system to detect and document any litter in a given body of water.

Carter Brezinski: AI and Back-end Lead

Jonathan Vargas: Front end Lead and Project manager

Scrum dates

Sept. 24, 2021 - Oct.8, 2021

Status description

Team contributions

Jonathan Vargas: Affinity diagram, User story map, Contacted Ben Lichtenwald - will schedule a time to check the university of Regina hydraulic flume,

Carter Brezinski: Contacted Dr. Chan for guidance, conducted initial research on google colab and basic experimentation, Affinity diagram

Project status: Green

We have accomplished all of the goals we have set for each other minus the lo-fi prototypes as we feel we are not ready to create yet with the state of the project.

We're feeling good based on the amount of quality information we've found so far. We found a viable dataset, which was one of our big hurdles.

Project issues

All of these can be easily resolved, but these are worries or issues that we are going through right now.

- Training - potentially
- Will we have a consistent place to test our project?
- Future potential issues: the hardware the software will have to run off of. Ie: laptop? phones?

Project changes

- Algorithm: YoloV4 trained within Google Colab using the taco dataset, with over 1500+ annotated images.
- In contact with a few resources in regards to potential testing locations and also having future consultants to give advice on our product.

Documentation overview and/or project demo

We have added an Affinity diagram and a user story map to organize our thoughts and ideas to help create future documentation.

Next up

Jonathan Vargas:

- Schedule meetings with one of our contacts at the UofR to see if their testing facility is adequate with our needs.
- Create and finalize planning documentation.
- Create a substantial abstract to send to our stakeholders.

Carter Brezinski:

- Begin initial stages of R&D on google colab for our project.
- That will involve research regarding a live video feed, as we stated that was something we'd hope to begin figuring out for our MVP 1.
- Help out with planning documents.

Team reflection

Discuss:

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

In terms of everything we've covered over the course of this week, we would have to say that we've met most of the goals we laid out for this week.

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

We feel really happy over the fact that we are in talks with multiple different contacts for testing & insight on the future steps of our project.

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

  Currently, the only barrier to success that we can see in the far future, is how we will extract or pull data from google colab as its happening live.

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

None we can envision currently.

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

Not right now.