Sprint 3 Plan
Image Segmentation Website
Superior Global Solutions Inc.
7/15/19-7/21/19

Goal:

Develop a website that can teach someone who knows nothing about Image Segmentation general knowledge on the topic. Teach machine learning students on how to deploy a model. Create a Neural Network that is deployed online and can be modified.

Story 1:

As a Machine Learning student, I would like to observe image segmentations from my images from a website.

Tasks:

- Using docker to create an API for the Image Segmentation program: 12hrs.
- Use the model to take in photos from the webpage: 8hrs.
- Make code clean enough for acceptance test: 2hrs.

Story 2:

As someone who wants to learn about image segmentation, I would like a website to teach me about it and its usages so that I can gain a better understanding.

Tasks:

- Research and list practicality of image segmentation: 2hrs.
- Have the website filled in with useful information: 2hrs.
- Find and list resources/programs to use after obtaining this information: 1hrs.
- Create step by step instructions to show user how to segment their own images on their machines: 1hrs.

Positions:

Colin Murphy, Owner
Thomas Ngo, Developer
Donnie Stewart, Developer
Yifu Ding, Scrum Master

Task Assignment:

Colin Murphy -

- Task 1: Using Flask to connect the web page with the Image Segmentation program: 12hrs.
- Task 2: Foundations for python processing backend. 1.5

Thomas Ngo -

- Task 1: Continue developing html page for the image segmentation website: 5hrs.
- Task 2: Set up the web page outline for all the parts: 3hrs.

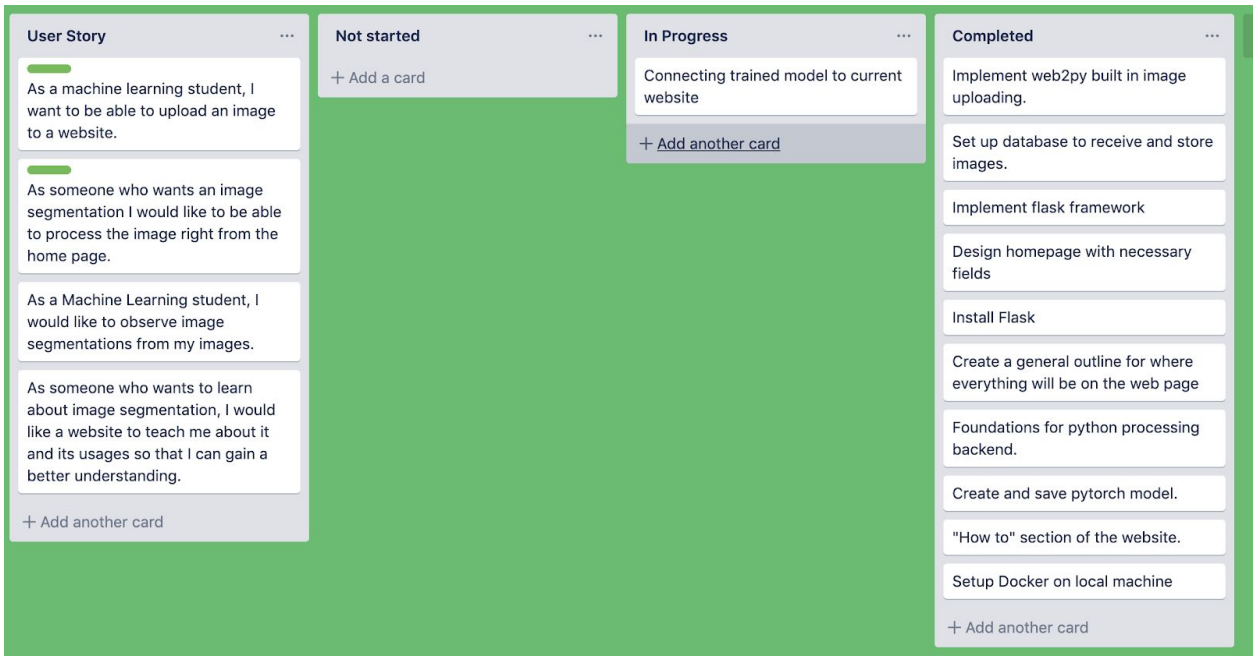
Donnie Stewart -

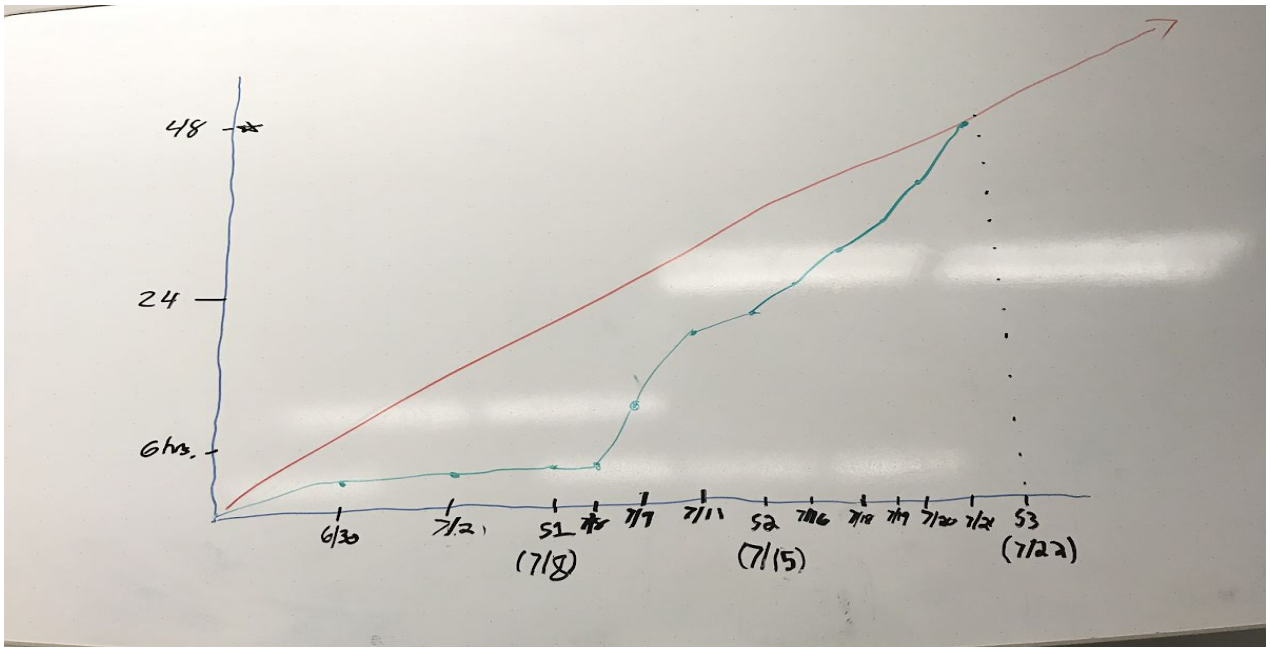
- Task 1: Continue developing html page for the image segmentation website by creating the website content: 5hrs.
- Task 2: Make code clean enough for acceptance test: 2hrs.

Yifu Ding -

- Task 1: Use the model to take in photos from the webpage: 8hrs.
- Task 2: Foundations for python processing backend. 1.5

Burnup and Scrum Board:


User Story
As a machine learning student, I want to be able to upload an image to a website.
As someone who wants an image segmentation I would like to be able to process the image right from the home page.
As a Machine Learning student, I would like to observe image segmentations from my images.
As someone who wants to learn about image segmentation, I would like a website to teach me about it and its usages so that I can gain a better understanding.
+ Add another card
Not started
+ Add a card
In Progress
Connecting trained model to current website
+ Add another card
Completed
Implement web2py built in image uploading.
Set up database to receive and store images.
Implement flask framework
Design homepage with necessary fields
Install Flask
Create a general outline for where everything will be on the web page
Foundations for python processing backend.
Create and save pytorch model.
"How to" section of the website.
Setup Docker on local machine
+ Add another card


48
24
6hrs
6/30
7/2
S1
(7/8)
7/7
7/11
S2
(7/15)
7/16
7/18
7/19
7/20
7/21
S3
(7/22)