Sprint 1 Plan - Social Distancing Detector

Team Name: Team Laser Sharks
Sprint Completion Date: January 26th
Revision: 1.1
Revision Date: January 15th

Goal: We want to be able to open a video stream in our program and be able to detect people in the video.

Task Listing:

User Story 1: As a user, I want to be able to open this app on my webcam feed or video.
- Import opencv into the project. (1 hr)
- [Decide whether user has webcam, picture, or video file (or internet video feed, possibly.)] (1 hr)
- Open video feed accordingly and run program. (1 hr)
  Total time: 3 hrs

User Story 2: As a user, I want to be able to detect humans from a webcam feed or video.
- Run a human detection algorithm on the input webcam feed or video file. (2 hrs)
- Experiment with and fine-tune the human detection algorithm to give better detection results. (8 hrs)
  Total time: 10 hrs

User Story 3: As a user, I want to know how many people are in the video.
- Keep track of people detected by the detection algorithm (1 hr)
- [Display the amount of people] (1 hr)
  Total time: 2 hrs

User Story 4: As a user, I want an interface/GUI to choose an image, video file, or video stream (like webcam).
- Display a user prompt asking how they will input into the program
- Change the program's "mode" based on what the user picks

Team Roles:
Rory: Developer, Scrum Master
Noah: Developer, Product Owner
Tim: Developer
Seth: Developer
Benson: Developer
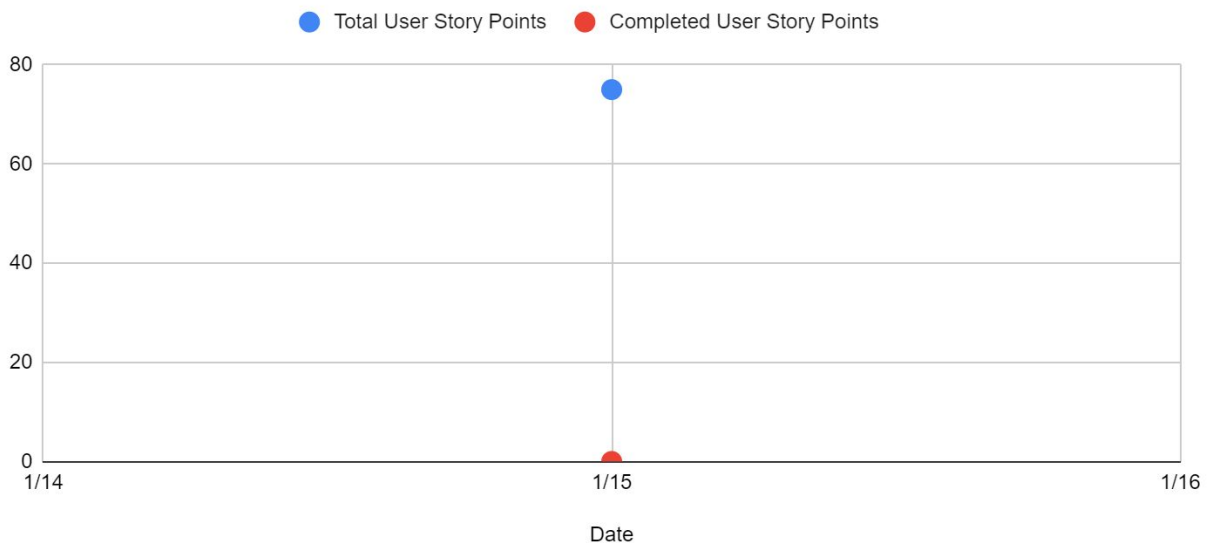
Initial Task Assignment:
User story 1: **done**
User story 2: Noah, Benson
User story 3: Rory, Seth
User story 4: Tim

Initial Burnup Chart:

Burnup Chart

● Total User Story Points   ● Completed User Story Points

Initial Scrum Board: https://trello.com/b/mawvGYS0/sprint-1-board

Scrum Times:
10-15 minutes after class every MWF
Monday 3:30 - 4:30 with Nilufar