**Sprint 2 Plan**

**Greens Only**

**Sprint Completion Date:** May 6, 2018

**Revision Number:** 1

**Date:** April 23, 2018 - May 6, 2018

**Goal:** Create a preliminary object detection system that makes use of multiple object detection techniques.

**Task Listing**

As a developer, I would like to combine the multiple detection softwares in order to collect useful data.

1. Share code with each other to determine best usage of code. (8 hours)
2. Integrate all the separate softwares into one program, one at a time. (15 hours)
3. Create unified output that contains all the results from each individual technique being used (5 hours).

As a developer, I would like to determine a “base state” for the produce so that it’s possible to identify when there is no contaminants in a given image.

1. Acquire multiple images of what a patch of produce without contaminants looks like (5 Hours).
2. Create and label our own image data (to serve as training data) to be used as base case for the system (12 Hours).
3. Process the images using multiple methods to try and find data that will help us determine a base state (4 hours).

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As a customer, I would like a system that when given video footage highlights a point in an image, or an image itself, where a possible contaminant has been identified.

1. Use combined software to scan for contaminants on the first/top layer of the spinach (5 hours).
2. Maintain or change system depending on data/output (15 hours).

**Team Roles**

Kevin Ajili: Developer, Product Owner

Arindam Sarma: Developer

Cesar Neri: Developer, Scrum Master

David Munoz: Developer

Eric Su: Developer

An Tran: Developer

**Initial Task Assignment**

**Kevin Ajili:**

**Arindam Sarma:**

**Cesar Neri:**

**David Munoz:**

1. Create and label our own image data (to serve as training data) to be used as base case for the system (12 Hours).

**Eric Su:**

**An Tran:**

**Scrum Times**

Tuesday, Thursday, Saturday: 2:00 pm (Online)

Friday: 10:30 am (Online meeting with Atollogy)