**Release Plan**

**Greens Only**

**Revision Number:** 4

**High level goals:**

* To setup Raspberry Pi’s and become familiar with both software and hardware that will be used during this release.
* Collect camera and software data for analysis.
* Analyze collected data and present findings.

**User stories for release:**

Sprint 1:

* As a developer, I would like put together a Raspberry Pi system. (2 points)
* As a developer, I would like to feel comfortable using the Raspberry Pi (3 points)
* As a developer, I would like to feel comfortable using a ubuntu system (terminal only) (5 points)
* As a developer, I would like to feel comfortable using the Raspberry Pi camera module (8 points)
* As a developer, I would like to be able to use a generic camera system (e.g. simple webcam) to take pictures with the Pi. (5 points)

Sprint 2:

* As a developer, I would like to collect data from capture hardware for webcam and pi camera for sunlight glare (2 points)
* As a developer, I would like to collect data from capture hardware for webcam and pi camera for backlight (2 points)
* As a developer, I would like to collect data from capture hardware for webcam and pi camera from different angles (3 points)
* As as developer, I would like to outline a system to organize the data (3 points)
* As a developer, I would like to test an IR camera (3 points)

Sprint 3:

* As a client, I would like a system that can recognize a batch of license plate images, and determines whether or not the license plates were recognized. (3 points)
* As a developer, I would like a readable transcript of the license plate data that comes from the batch image testing. (5 points)
* As a developer, I want to understand the parsed data in the form of graphs that will clearly show the results of the license plate testing. (5 points)
* As a client, I would like graphs for multiple sets of images to be able to see the final results of testing. (2 points)

**Product Backlog:**

* As a developer, I would like to test the capture hardware and software through fog
* As a developer, I would like to test the capture hardware and software through rain
* As a developer, I would like to test the capture hardware and software through dust