User Manual

Section 1

1. Introduction
   1. Purpose and Scope

* The Parking Monitoring System will allow simple viewing and analysis of images fed into it from an elevated view of a parking lot. This system will be able to take images and compare them to a saved layout to determine which parking spots are currently occupied by a vehicle. These results will then be displayed for parking lot monitors and potential users of the parking lot, as well as archived for later use. This will reduce the time spent looking for parking, as well as provide usage statistics that can allow better planning of future distribution of parking passes or construction of additional parking lots.
* This manual will explain the functionality and usage of the parking management system. It is meant as a guide to allow users to become more familiar with the system overall, and provide specific instruction pertaining to initial setup and day to day use.
  1. Organization
* This manual provides a summary of system capabilities, and a detailed description of system functionality. This includes a full description of features present within the system, as well as instructions on their use and basic troubleshooting information.
* Also included are instructions for the initial installation of the packages and software required to run the program.
  1. Points of Contact
* For any questions or issues that are not described in this manual, please directly contact the TechOps group via the contact information described on their webpage. For bleeding-edge updates, refer to the TechOps github page.
  + - 1. [https://awagne30.github.io/TechOps/](https://awagne30.github.io/TechOps/Contact)
      2. <https://github.com/awagne30/TechOps>
  1. Project References
* Listed below are links to pertinent documentation for the Parking Monitoring System, as well as a page containing general references used in the design and implementation of this system.
* Proposal - [https://github.com/awagne30/TechOps/raw/master/documentation/Captsone%20Proposal.pdf](https://github.com/awagne30/TechOps/raw/master/documentation/Captsone Proposal.pdf)
* SRS Document - [https://github.com/awagne30/TechOps/raw/master/documentation/Requirements%20Document/SRS%20Document.pdf](https://github.com/awagne30/TechOps/raw/master/documentation/Requirements Document/SRS Document.pdf)
* Design Document - [https://github.com/awagne30/TechOps/raw/master/documentation/Design%20Document/Design%20Document.pdf](https://github.com/awagne30/TechOps/raw/master/documentation/Design Document/Design Document.pdf)
* General References - <https://awagne30.github.io/TechOps/resources.html>
  1. Primary Business Functions
* Discuss business perspective of the user’s primary responsibilities and tasks as they are supported by the system. Introduce the business functions so that the focus may rest of the systematic steps to support the business functions in later sections.
  1. Glossary
* All terms and abbreviations used in the manual. If this is very long, place in the appendix