**WEEKLY REPORT and MEETING AGENDA**

Report #: 3 Project Name: 2N1

Date: 2/16/23 Prepared by: Spencer Cho

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| Agenda for the weekly meeting |
| 1. Discuss questions to ask representative 2. Finalize project scope w/ rep 3. Ask additional questions regarding user interface 4. Discuss backend details regarding database 5. Discuss priorities of project i.e. CV pipeline over UI 6. Discuss various vehicle states and which to prioritize 7. Begin work on testing various ML models 8. Research into various aspects of YOLO and Deepsort/Bytetrack |
| Accomplishments during this period |
| 1. Finalized project scope 2. Met with representative regarding priorities regarding vehicle states 3. Began discussion over labeling data 4. Began Docker container development 5. Began proper UI development 6. Furthered R&D into ML modules |
| Plans for next period |
| 1. Further development into Docker and UI 2. Finalize database schema and begin database setup 3. Decide whether to begin manual labeling of data or use similar dataset 4. Attempt to begin training of model using dataset to see potential issues |
| Project management status |
| 1. Project development has begun to ramp up 2. Much of current development involves set up and decision making 3. Potential issue arises when deciding how to train ML model |

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| Minutes from previous meeting |
| 2-14 Weekly Meeting w/ Representative (Zoom/In-person)   * Scheduled Q&A regarding project scope for 2/16 * Discussion of project scope w/ Dr. Song * Discussion of successes in project proposal   2-16 Meeting w/ Representative (Q&A)   * Finalized project scope   + Which vehicle states to prioritize   + CV pipeline over additional UI * Anonymized identification   + ID should be internal no need for license plate identification * No need to worry about security * Prioritization of CV pipeline in container then security personnel GUI to view what pipeline is producing * Discussion of UI for both end users   + Security - send information directly to display from CV pipeline   + Analyst - playback, possible sorting/filtering based on mockup design   2-21 Weekly Meeting w/ Representative (Zoom/In-person)   * Begin attempting to use dataset to train model in order to run into issues early so much of the blockers can be tackled now   2-23 Weekly Meeting (Zoom/In-person)   * Issue in regards to dataset   + Do we want to manually label data?   + If we cannot find a dataset suitable we decided that we will * Bug regarding Docker nginx * Bug with UI   + Works on Safari, but not on other browsers |