

# Trademark Analysis & Identification Tool (TRAIT)

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# Preparing app for users

- This has been a very difficult process
- We started with using Nuitka to package the backend, which we were unable to get to work so we moved our focus to using PyInstaller
- This worked, but when we added the backend executable into the fully packaged Electron app we ran into issues with it running on Windows systems even though it worked for Mac
- We tried to resolve this we decided to use Docker containers but then ran into a separate codec copyright issue within the ffmpeg library on Linux



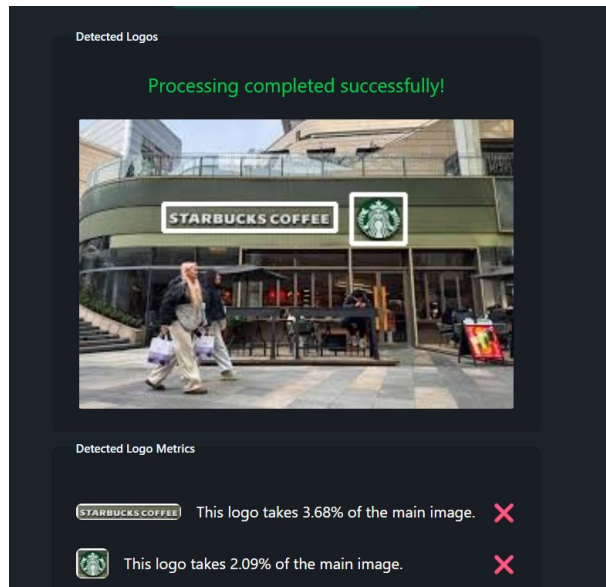
# Final Version

- We have come to the decision that as a non production application that it is okay if we simply use some shell scripts that we write to launch and close the application
- This will take care of both the front and back end for us
- It will also ensure that it works for both Mac and Windows, as it has been throughout our development of the project



# Added option to remove logos found for images

We had this option for video, but had forgot to implement it for images so here it is.



# Users Manual

- We have started to work on our User's Manual
- Our goal for this is to provide clear instructions for how to run and use the application
- We want to make sure that we walk someone through the process in a detailed but easy to understand way so that they are able to use all of the features of the application without having any confusion



# SRS Documentation

We started the SRS Reconciliation

In our initial SRS we mentioned that our project will on a 'web server' and will have a 'web-based dashboard'

Also, we mentioned that we would use 'timestamps' – This is a bit of a grey area. Did this initially mean minutes/seconds or frames in the video?

- C.1. **The website** will provide a way for the marketing team to upload dashcam video files and image files of their logo.
- C.2. The system will examine the dashcam video to find when the uploaded advertisement was visible on the billboards and signs.
- C.3. The program will calculate how long you could see the advertisements, and provide **timestamps** for when the advertisements appeared.
- C.4. **The web server** shall return the metrics to the marketing team in a human readable format via the **web-based dashboard**.
- The 'website' and 'web-based dashboard' is actually an executable file ran on the users local computer. Therefore, the wording of these 2 is misleading. Should be 'application' and 'dashboard'.
- Timestamps are not provided; rather, what frame the logo first appeared on. Kind of a grey area of what timestamps mean.

# Challenges

- Getting the app ready for users beyond us to be able to use
- Getting our application to compile/run the same across all platforms
- More copyright Issues
- Identifying and eliminating bugs
- Making sure we are thorough with the documentation of the project and that we understand all aspects of it clearly

