# Criterion E: Evaluation

**Success criteria**
- Have a Program capable of creating "keywords"
  - This is accomplished with the train command
- These keywords must have vectors pointing to the center of the object and the keyword itself
  - The keywords are made up of two files: a jpg file and and vector data file (.vctrinf - **Ve**ct**o**r **Inf**o)
- Have the ability to store and retrieve these keywords
  - It reads these keyword files in the "find" method
  - It save these keyword files in the "train" method
- Have a program that can use the keywords to find the object
  - This is demonstrated in the video
- Indicate where the object is
  - This is demonstrated in the video
- Ability to find faces in images, when trained
  - This is demonstrated in the video
- Ability to find inanimate objects such as a car, when trained
  - This is demonstrated in the video

All the success criteria were met, however the program still lacks many abilities that would make it usable to the extent of deployment.

Words 159

**Recommendations for further development**

Because the program code was left open to future improvements, with low cohesion between scripts and methods, the program can be easily changed and re-structured. The reason for this program being a console application was to allow more specialized customizations to be made using this program as a dependency. This would include the ability for it to be used in surveillance systems as referenced in criterion A.

When it comes to making necessary changes to the console application, by far the best improvement to be made is for it to have the ability to find and train with images of different sizes, rotation, and skew. As of now the program does not have the ability to adjust the scale, rotation, or skew when getting the correlation maps.

Words 127

Total words 299