

VehID – Milestone 6 Evaluation

Members: Remington Greko, Spencer Hirsch, Thomas Johnson, and Alexis Nagle

Faculty Advisor: Dr. Silaghi

Client: Clayton Levins



Milestone 6

Milestone 6 Progress Matrix

Task	Completion %	Remington	Spencer	Thomas	Alexis	To-do
Test/Demo System	100%	50%	0%	50%	0%	NA
Conduct Evaluation and Analyze Results	100%	0%	50%	0%	50%	NA
Create User/Developer Manual	100%	25%	25%	25%	25%	NA
Create Demo Video	100%	0%	50%	0%	50%	NA
Sprint Planning	100%	25%	25%	25%	25%	NA
Milestone Evaluation	100%	25%	25%	25%	25%	NA

Evaluation Results

➤ **Neural Network Subsystem**

- 95% positive vehicle predictions
- 45% positive color predictions
- 32% positive body type predictions
- 47% positive make predictions (out of the ones that had predictions)
- 71% had 1 or more attributes correctly predicted
- 28% had 2 or more attributes correctly predicted


➤ **Web Application Evaluation**

- Accurate and timely query results
- Accurate and timely filter results
- Timely table population
- Sleek and intuitive web application design

Video Processing Demo

MainWindow

Frame #1



A street scene captured from a camera. In the foreground, a yellow sign with a black arrow pointing left is mounted on a metal pole. To the left of the sign, a white golf cart is driving on a paved road. The road has white crosswalk lines. In the background, there are palm trees, a large building with a red roof, and a clear sky.

Vehicle #

Path:

Camera:

Timestamp:

Color:

Body Type:

Make:

License Plate:

Web Application

Vehicle Identification

Input a Query

Car Table

Collected Entries

Color

Body

Make

License

Location

Submit

Clear Filters

Delete Selected Rows

Update Modified Rows

Select	ID	Color	Body	Make	License	Location/Time	Image
<input type="checkbox"/>	1	Green	VAN	lexus	61H K07	Unknown	Show Image
<input type="checkbox"/>	5	grey-silver	Hatchback	Chrysler		Camera1	Show Image
<input type="checkbox"/>	6	grey-silver	Convertible	Chrysler	KTE47Z	Camera1	Show Image
<input type="checkbox"/>	7	purple	Convertible		KTE4D7Z	Camera1	Show Image
<input type="checkbox"/>	8	grey-silver	Convertible		KTE47E	Camera1	Show Image
<input type="checkbox"/>	9	grey-silver	SUV	subaru	B3DJRY	Camera1, 05 00 25	Show Image
<input type="checkbox"/>	10	grey-silver	SUV	ford	BZR	Camera1, 05 00 26	Show Image
<input type="checkbox"/>	11	blue	SUV	dodge	Z	Camera1, 05 00 50	Show Image
<input type="checkbox"/>	12	grey-silver	Pick-Up		05Z	Camera1, 05 00 55	Show Image
<input type="checkbox"/>	13	purple	SUV	subaru	L	Camera1, 05 01 56	Show Image
<input type="checkbox"/>	14	grey-silver	Pick-Up		Z4W	Camera1, 05 02 10	Show Image
<input type="checkbox"/>	15	black	SUV	chevrolet	BFDWBE5	Camera1, 05 02 31	Show Image
<input type="checkbox"/>	16	blue	Hatchback	cadillac	PAE	Camera1, 05 02 33	Show Image
<input type="checkbox"/>	17	grey-silver	VAN	kia	U24BRY	Camera2, 05 00 12	Show Image
<input type="checkbox"/>	18	grey-silver	SUV	subaru	ZRY	Camera2, 05 00 13	Show Image
<input type="checkbox"/>	19	purple	SUV	dodge	TDZ5	Camera2, 05 00 36	Show Image
<input type="checkbox"/>	20	white	Pick-Up		GV	Camera2, 05 00 41	Show Image
<input type="checkbox"/>	21	grey-silver	Hatchback		056Z6	Camera2, 05 00 42	Show Image
<input type="checkbox"/>	22	grey-silver	Pick-Up		Z495M	Camera2, 05 02 00	Show Image
<input type="checkbox"/>	23	black	Pick-Up	dodge	2	Camera2, 05 02 01	Show Image
<input type="checkbox"/>	24	black	SUV		RFDWMBE	Camera2, 05 02 18	Show Image
<input type="checkbox"/>	25	blue	SUV	cadillac	AM9	Camera2, 05 02 20	Show Image

View More

Delets Selected

Confirm Changes

@ Vehid Team 2024



Poster





EBook

Client Feedback - Clayton Levins

Test/Demo System - Very pleased with our demonstration of our system.

Conduct Evaluation and Analyze Results - Happy with our results, discussed ways that we could improve our results by revisiting some of our old tasks.

Advisor Feedback – Dr. Silaghi

Test/Demo System - Demonstrated our updated web application, Dr. Silaghi seemed pleased.

Conduct Evaluation and Analyze Results - Briefly spoke about results from neural network subsystem.



Questions?

