



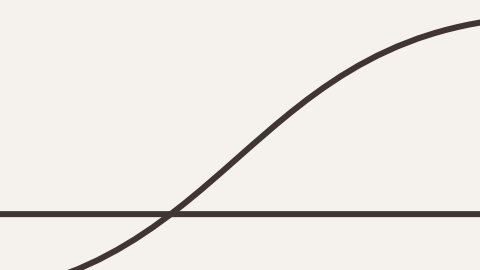
---

# 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

<b>Task</b>	<b>Completion %</b>	<b>Remington</b>	<b>Spencer</b>	<b>Thomas</b>	<b>Alexis</b>	<b>To-do</b>
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 #25



Vehicle # 1



Path: Camera1\_25\_1.jpg  
Camera: Camera1  
Timestamp: 05:00:24

Color: grey-silver  
Body Type: SUV  
Make: subaru  
License Plate: B3DJRY

The image shows a software interface for video processing. On the left, a window titled 'MainWindow' displays 'Frame #25' of a video. The video frame shows a white SUV driving on a road. On the right, a window titled 'Vehicle # 1' displays a cropped image of the SUV. Below the cropped image, the following information is listed: Path: Camera1\_25\_1.jpg, Camera: Camera1, Timestamp: 05:00:24, Color: grey-silver, Body Type: SUV, Make: subaru, License Plate: B3DJRY.

# Web Application

Vehicle Identification

Input a Query Car Table

Collected Entries

Color  Body  Make  License  Location

Select	ID	Color	Body	Make	License	Location/Time	Image
<input type="checkbox"/>	1	Green	VAN	lexus	61H K07	Unknown	<input type="button" value="Show Image"/>
<input type="checkbox"/>	5	grey-silver	Hatchback	Chrysler	KTED7Z	Camera1	<input type="button" value="Show Image"/>
<input type="checkbox"/>	6	grey-silver	Convertible	Chrysler	KTE4D7Z	Camera1	<input type="button" value="Show Image"/>
<input type="checkbox"/>	7	purple	Convertible		KTE4D7Z	Camera1	<input type="button" value="Show Image"/>
<input type="checkbox"/>	8	grey-silver	Convertible		KTE4E7E	Camera1	<input type="button" value="Show Image"/>
<input type="checkbox"/>	9	grey-silver	SUV	subaru	B3DUJY	Camera1, 05 00 25	<input type="button" value="Show Image"/>
<input type="checkbox"/>	10	grey-silver	SUV	ford	BZR	Camera1, 05 00 26	<input type="button" value="Show Image"/>
<input type="checkbox"/>	11	blue	SUV	dodge	Z	Camera1, 05 00 50	<input type="button" value="Show Image"/>
<input type="checkbox"/>	12	grey-silver	Pick-Up		05Z	Camera1, 05 00 55	<input type="button" value="Show Image"/>
<input type="checkbox"/>	13	purple	SUV	subaru	L	Camera1, 05 01 56	<input type="button" value="Show Image"/>
<input type="checkbox"/>	14	grey-silver	Pick-Up		Z4W	Camera1, 05 02 10	<input type="button" value="Show Image"/>
<input type="checkbox"/>	15	black	SUV	chevrolet	BFDWBE5	Camera1, 05 02 31	<input type="button" value="Show Image"/>
<input type="checkbox"/>	16	blue	Hatchback	cadillac	PAE	Camera1, 05 02 33	<input type="button" value="Show Image"/>
<input type="checkbox"/>	17	grey-silver	VAN	kia	U24BRY	Camera2, 05 00 12	<input type="button" value="Show Image"/>
<input type="checkbox"/>	18	grey-silver	SUV	subaru	ZRY	Camera2, 05 00 13	<input type="button" value="Show Image"/>
<input type="checkbox"/>	19	purple	SUV	dodge	TDZ5	Camera2, 05 00 36	<input type="button" value="Show Image"/>
<input type="checkbox"/>	20	white	Pick-Up		GV	Camera2, 05 00 41	<input type="button" value="Show Image"/>
<input type="checkbox"/>	21	grey-silver	Hatchback		056ZB	Camera2, 05 00 42	<input type="button" value="Show Image"/>
<input type="checkbox"/>	22	grey-silver	Pick-Up		Z495M	Camera2, 05 02 00	<input type="button" value="Show Image"/>
<input type="checkbox"/>	23	black	Pick-Up	dodge	2	Camera2, 05 02 01	<input type="button" value="Show Image"/>
<input type="checkbox"/>	24	black	SUV		RFDWMBE	Camera2, 05 02 18	<input type="button" value="Show Image"/>
<input type="checkbox"/>	25	blue	SUV	cadillac	AM9	Camera2, 05 02 20	<input type="button" value="Show Image"/>

@ Vehid Team 2024

85°F Windy 107 PM 4/19/2024

The image features two horizontal lines, one at the top and one at the bottom. Each line has a smooth, curved end on the left and right sides, creating a frame-like effect. The word "Poster" is centered between these lines.

**Poster**

The image features two horizontal lines, one at the top and one at the bottom. Each line has a smooth, curved end on the left and right sides, creating a frame-like effect. The text 'EBook' is centered between these lines.

**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?**