

ToyoBrowser

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Description

ToyoBrowser is designed to help BDC Agents, Salesperson and Managers of a Toyota dealership to understand and have quick access to all the information related to Toyota cars



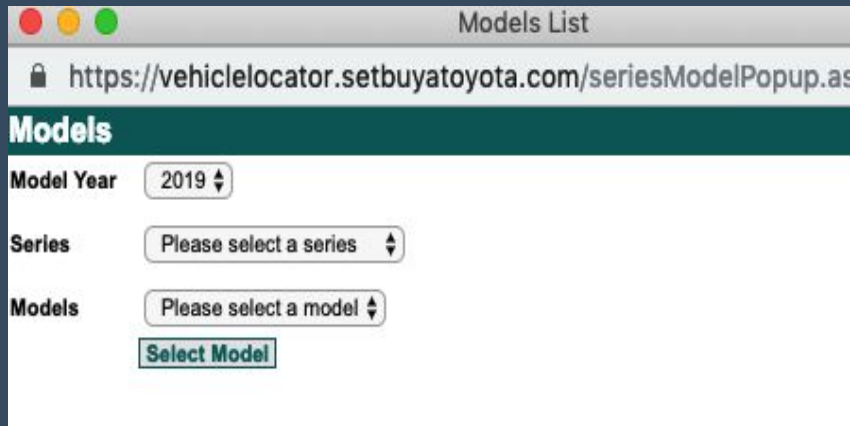
Features

- With ToyoBrowser you can browse by year, model, submodel (trim) or any feature
- Find out what features are available or standard on each model (trim)
- Find a vehicle with specific features

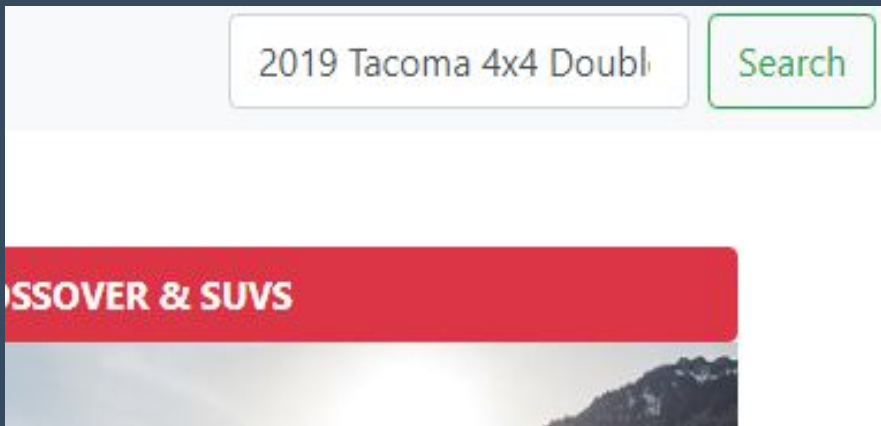


User Stories

A BDC Agent received a call from a customer who wants a specific 2019 Tacoma 4x4 Double Cab V6 but it must have long bed. (What model-trim is it? What comes standard and what is available on that trim)



The screenshot shows a web browser window titled "Models List" with the URL <https://vehiclelocator.setbuyatoyota.com/seriesModelPopup.as>. The page has a dark green header with the word "Models" in white. Below the header, there are three dropdown menus: "Model Year" with "2019" selected, "Series" with "Please select a series" as the placeholder, and "Models" with "Please select a model" as the placeholder. At the bottom of the form is a green button labeled "Select Model".



The screenshot shows a search interface. At the top, there is a text input field containing "2019 Tacoma 4x4 Doubl" and a green button labeled "Search". Below the search bar, there is a red horizontal banner with the text "CROSSOVER & SUVs" in white. Below the banner, there is a blurred image of a mountain landscape.



Database

ToyoBrowser

Tables

- System Tables
- External Tables
- dbo.Brands
- dbo.Features
- dbo.Models
- dbo.Motors
- dbo.TrimsLevel_Fe
- dbo.TrimsLevels
- dbo.VehicleClass

	Id	Name
▶	1	Toyota
⊕	NULL	NULL

	Id	Name	Description
▶	1	Reverse Camera	Reverse Camer...
	2	TSS	Toyota Safety S...
	3	Moonroof	Power tilt/slide ...
	4	Panoramic Mo...	Huge panorami...
	5	Entune 3.0 Audio	Inmersive soun...
	6	JBL Audio	High fidelity au...

	Id	Identifier	Cc	BrandId	HorsePower
▶	1	Camry2.5	2.5	1	203
	2	86	2	1	205
	3	sienna	3.5	1	296
	4	corollahatchback	2	1	168
	5	...	1.5	1	105

	Id	BrandId	ModelId	VehicleClassId	ImageUrl
▶	1	1	17	1	https://www.to.
	2	1	3	4	https://www.to.
	3	1	2	4	https://www.to.
	4	1	4	4	https://www.to.
	5	1	5	4	https://www.to.
	6	1	6	4	https://www.to.

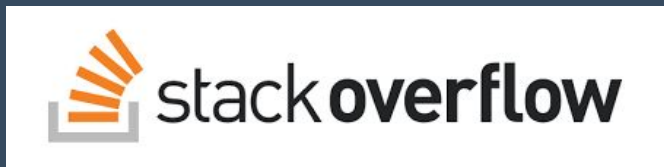
Max Rows: 1000

	Id	Name
▶	1	Camry
	2	Prius Prime
	3	Prius
	4	Highlander Hy...
	5	RAV4 Hybrid
	6	Avalon Hybrid
	7	Camry Hybrid
	8	Land Cruiser
	9	Sequoia
	10	4Runner
	11	Prius C
	12	Highlander

	Id	BrandId	Description	Year	MotorId	ModelId	ModelNumber	TrimPicture
▶	1	1	L 2.5-L 4-Cylind...	2019	1	1	2514	https://www.to..
	2	1	TRD Sport 4WD...	2019	16	9	7922	https://www.to..
	3	1	Limited 2WD 5...	2019	16	9	7927	https://www.to..
	4	1	Limited 4WD 5...	2019	16	9	7929	https://www.to..
	5	1	Platinum 2WD ...	2019	16	9	7931	https://www.to..
	6	1	Platinum 4WD ...	2019	16	9	7932	https://www.to..



Technology Stack



Demo



What I Learned

- I deepened my knowledge in C #, Asp.Net MVC as well as in database using Entity Framework
- I understood better how to work with CSS and Bootstrap
- I learned Vue.JS and I used it to have a better site with more response



What's Next

- Add packages (group of features)
- Improve the search to be able to filter by models, characteristics and colors
- Kaizen -> a Japanese business philosophy of continuous improvement of working practices, personal efficiency, etc

