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CSM3103

Front-End Development

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LAB 5

Task 1

The XMLHttpRequest Object

Select a customer: ▼

Customer info will be listed here...

The XMLHttpRequest Object

Classic Cars ▼						
\$10_1949	1952 Alpine Renault 1500	Classic Cars	1:10	Classic Metal Creations	Turnable front wheels; steering function; detailed interior; detailed engine; opening hood; opening trunk; opening doors; and detailed chassis	7305 98.58
\$10_4757	1972 Alfa Romeo GTA	Classic Cars	1:10	Motor City Art Classics	Features include: Turnable front wheels; steering function; detailed interior; detailed engine; opening hood; opening trunk; opening doors; and detailed chassis	2252 85.68
\$10_4962	1962 Lancia Delta 16V	Classic Cars	1:10	Second Gear Diecast	Features include: Turnable front wheels; steering function; detailed interior; detailed engine; opening hood; opening trunk; opening doors; and detailed chassis	6791 103.42
\$12_1099	1968 Ford Mustang	Classic Cars	1:12	Autoart Studio Design	Hood, doors and trunk all open to reveal highly detailed interior features. Steering wheel actually turns the front wheels. Color dark green	68 95.34
\$12_1108	2001 Ferrari Enzo	Classic Cars	1:12	Second Gear Diecast	Turnable front wheels; steering function; detailed interior; detailed engine; opening hood; opening trunk; opening doors; and detailed chassis	3619 95.59
\$12_3148	1969 Corvair Monza	Classic Cars	1:18	Welly Diecast Productions	1:18 scale die-cast about 10" long doors open, hood opens, trunk opens and wheels roll	6906 89.14
\$12_3380	1968 Dodge Charger	Classic Cars	1:12	Welly Diecast Productions	1:12 scale model of a 1968 Dodge Charger. Hood, doors and trunk all open to reveal highly detailed interior features. Steering wheel actually turns the front wheels. Color black	9123 75.16
\$12_3891	1969 Ford Falcon	Classic Cars	1:12	Second Gear Diecast	Turnable front wheels; steering function; detailed interior; detailed engine; opening hood; opening trunk; opening doors; and detailed chassis	1049 83.05
\$12_3990	1970 Plymouth Hemi Cuda	Classic Cars	1:12	Studio M Art Models	Very detailed 1970 Plymouth Cuda model in 1:12 scale. The Cuda is generally accepted as one of the fastest original muscle cars from the 1970s. This model is a reproduction of one of the original 652 cars built in 1970. Red color	5663 31.92
\$12_4675	1969 Dodge Charger	Classic Cars	1:12	Welly Diecast Productions	Detailed model of the 1969 Dodge Charger. This model includes finely detailed interior and exterior features. Painted in red and white	7323 58.73
\$18_1129	1993 Mazda RX-7	Classic Cars	1:18	Highway 66 Mini Classics	This model features: opening hood, opening doors, detailed engine, rear spoiler, opening trunk, working steering, tinted windows, baked enamel finish. Color red	3975 83.51
\$18_1589	1965 Aston Martin DB5	Classic Cars	1:18	Classic Metal Creations	Die-cast model of the silver 1965 Aston Martin DB5 in silver. This model includes full wire wheels and doors that open with fully detailed mechanism. comment: In 1:18 scale, this model measures approximately 10 inches/20 cm long	9042 65.96

1. What is the name of first php file?

readproductline.php

2. What is the name of second php file?

getproductlist.php where q (the selected id/name customer from database) is equal to str.

3. Recognized the item in the select option.

Classic Cars ▼

Select a customer:

- Classic Cars
- Motorcycles
- Planes
- Ships
- Trains
- Trucks and Buses
- Vintage Cars

We are selecting from the productLine from the database, the table name is productlines.

4. What is returned by the second php file.

It returns a form containing select tag, this select tag have onChange Function that will display the list in a form of html table, the option values of the select tag are just the values returned from the database(["productLine"] column) productlines table.

5. Can you examine how both files are called from html file?

the `getProductLine()` function have a request object `XMLHttpRequest()` which will call (using `GET` method) `readproductline.php`, this file will include the select options to the HTML. There is an event on this select tag [`onChange "showCustomer()"`], which will display/include the second `XMLHttpRequest()` to `getproductlist.php` which contains all the specified columns related to the selected option from the database.

Task 2

Task 2

You are given the following php file that returned the data as above second php file. But this time it's returned in a form of JSON.

You can play around the php file by the following URL

[https://skimtech.my/getProductByChoice.php?q= <replace with one item you recognised in question \(3\) above>.](https://skimtech.my/getProductByChoice.php?q=<replace with one item you recognised in question (3) above>.)

1. How many records are there belonging to motorcycles type?

select an item

Motorcycles ▼

Number of Motorcycles Objects: 13

2. What are attributes in each of the record?

select an item

Motorcycles ▼

Number of Motorcycles Objects: 13

Number of Attributes: **productCode,productName,productLine,productScale,productVendor,productDescription,quantityInStock,buyPrice,MSRP**

**productDescription , productName , productLine , productScale , productVendor ,
productDescription , quantityInStock , buyPrice, and MSRP.**

Write your own html file, which has the select option as item in question 3 above and make a XMLHttpRequest called to getProductByChoice and pass the selected options as a parameter.

1. Display all the returned JSON data into a table with the header
2. Display the Data one by one according to click function

Select an item

Motorcycles

Number of Motorcycles Objects: 13

Attributes: productCode,productName,productLine,productScale,productVendor,productDescription,quantityInStock,buyPrice,MSRP

productCode	productName	productLine	productScale	productVendor	productDescription	quantityInStock	buyPrice	MSRP
S10_1678	1969 Harley Davidson Ultimate Chopper	Motorcycles	1:10	Min Lin Diecast	This replica features working kickstand, front suspension, gear-shift lever, footbrake lever, drive chain, wheels and steering. All parts are particularly delicate due to their precise scale and require special care and attention.	7933	48.81	95.70
S10_2016	1996 Moto Guzzi 1100i	Motorcycles	1:10	Highway 66 Mini Classics	Official Moto Guzzi logos and insignias, saddle bags located on side of motorcycle, detailed engine, working steering, working suspension, two leather seats, luggage rack, dual exhaust pipes, small saddle bag located on handle bars, two-tone paint with chrome accents, superior die-cast detail, rotating wheels, working kick stand, diecast metal with plastic parts and baked enamel finish.	6625	68.99	118.94
S10_4698	2003 Harley-Davidson Eagle Drag Bike	Motorcycles	1:10	Red Start Diecast	Model features, official Harley Davidson logos and insignias, detachable rear wheelie bar, heavy diecast metal with resin parts, authentic multi-color tampon-printed graphics, separate engine drive belts, free-turning front fork, rotating tires and rear racing slick, certificate of authenticity, detailed engine, display stand, precision diecast replica, baked enamel finish, 1:10 scale model, removable fender, seat and tank cover piece for displaying the superior detail of the v-twin engine.	5582	91.02	193.66
S12_2823	2002 Suzuki XREO	Motorcycles	1:12	Unimax Art Galleries	Official logos and insignias, saddle bags located on side of motorcycle, detailed engine, working steering, working suspension, two leather seats, luggage rack, dual exhaust pipes, small saddle bag located on handle bars, two-tone paint with chrome accents, superior die-cast detail, rotating wheels, working kick stand, diecast metal with plastic parts and baked enamel finish.	9997	66.27	150.62
S18_2625	1936 Harley Davidson El Knucklehead	Motorcycles	1:18	Welly Diecast Productions	Intricately detailed with chrome accents and trim, official die-struck logos and baked enamel finish.	4357	24.23	60.57
S18_3782	1957 Vespa GS150	Motorcycles	1:18	Studio M Art Models	Features rotating wheels, working kick stand. Comes with stand.	7689	32.95	62.17
S24_1578	1997 BMW R 1100 S	Motorcycles	1:24	Autoart Studio Design	Detailed scale replica with working suspension and constructed from over 70 parts	7003	60.86	112.70
S24_2000	1960 BSA Gold Star DBD34	Motorcycles	1:24	Highway 66 Mini Classics	Detailed scale replica with working suspension and constructed from over 70 parts	15	37.32	76.17
S24_2360	1982 Ducati 900 Monster	Motorcycles	1:24	Highway 66 Mini Classics	Features two-tone paint with chrome accents, superior die-cast detail, rotating wheels, working kick stand	6840	47.10	69.26
S32_1374	1997 BMW F650 ST	Motorcycles	1:32	Exoto Designs	Features official die-struck logos and baked enamel finish. Comes with stand.	178	66.92	99.89
S32_2206	1982 Ducati 996 R	Motorcycles	1:32	Gearbox Collectibles	Features rotating wheels, working kick stand. Comes with stand.	9241	24.14	40.23
S32_4485	1974 Ducati 350 Mk3 Desmo	Motorcycles	1:32	Second Gear Diecast	This model features two-tone paint with chrome accents, superior die-cast detail, rotating wheels, working kick stand	3341	56.13	102.05
S50_4713	2002 Yamaha YZR M1	Motorcycles	1:50	Autoart Studio Design	Features rotating wheels, working kick stand. Comes with stand.	600	34.17	81.36

Github Link

<http://github.com/Alomory/CSM3103>