

Using “capture” in Shopify Liquid and passing variables to javascript arrays.

This is a simple yet extremely useful thing in shopify.

It lets you use output as input. It lets you take a quote and use it as a variable.

This is how it is used.

So let's say we have a variable in liquid.

```
{%assign variable="empty"%}
```

```
{%capture variable%
```

Now, we will have it take this sentence as a variable.

```
{%end capture%
```

The way you output a variable in shopify is like this:

```
{{variable}}
```

Now let's do something with javascript.

```
<Script type="text/Javascript">
```

```
alert({{variable}});
```

```
</script>
```

When Javascript runs, it will read out:

“Now, we will have it take this sentence as a variable”

Liquid gets very complicated, and sometimes that complexity can be handled by javascript.

This is one way to reduce the workload from your store and keep it responsive.

Instead of doing an interface entirely in liquid, just use capture and javascript to pass variables to the front end.

Below is a use case of what we have just discussed:

A shopify client needed assistance passing on liquid template language objects into javascript objects/arrays.

(begin quote)

I want to create an array of objects on the checkout page like this:

```
items = [  
  {  
    productId: "P001",  
    size:      "L",
```

```

    variantId: "P001_SIZEL_RED",
    url:       "http://example.com/products/P001",
    imageUrl:  "http://images.example.com/products/P001/red/image1x1.jpg",
    color:     "Red",
    unitPrice: 5100,
    quantity:  1,
    gender:    "W"
  }
  ...// Create an object for each of the items that were purchased in the order
]

```

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I can get the individual values by looping through `checkout.line_items` but I can't figure out how to store them as objects and push them into an array. Can you please help me?

Hello @Yurika

You'll have to inline it if you want to give js access to it, or use cartjs. Below is psuedo code on how you'd pass data to js.

```

Items={}; //javascript

{%liquid line_item loop%} //liquid

Items.push( {{current_line_item}} );//javascript

{%liquid line_item_loop%} //liquid

```

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<https://community.shopify.com/c/Technical-Q-A/How-to-create-an-array-of-objects/m-p/1225881#M59439>
