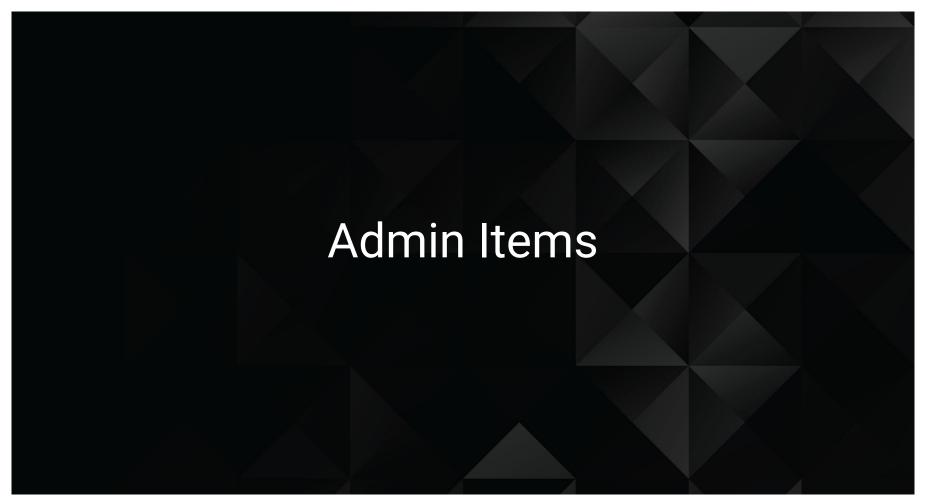


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Death by PowerPoint: Not the Way to Learn Coding

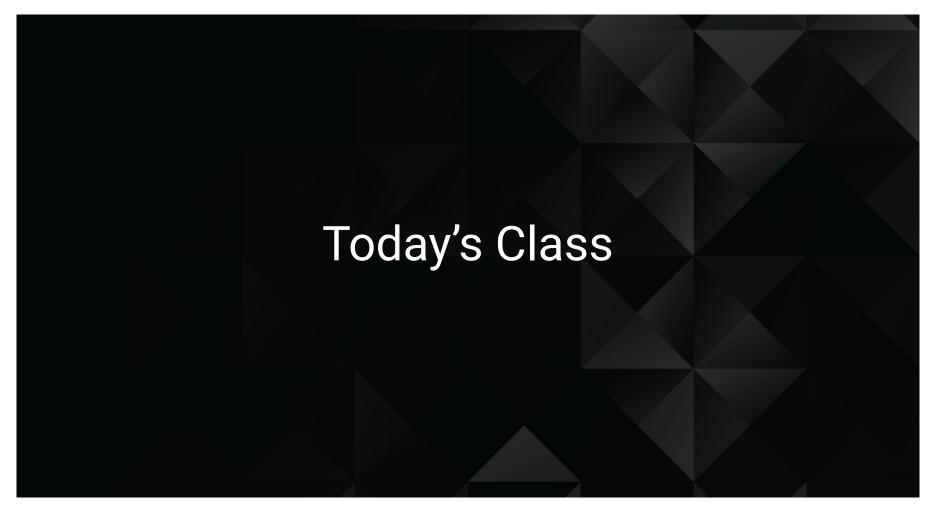






Be prepared to have classes that are increasingly "just code."

(You will appreciate it in the long run.)



Agenda

In today's class we'll be covering:



DOM manipulation using plain JavaScript



DOM manipulation using jQuery



Responding to click events



Understanding the DOM

Basic Example: todomvc.com/examples/jquery/#/all



Every HTML page begins as static content.



However, with Javascript/jQuery, we can **modify the DOM** and change this static content in real time.



This allows us to build dynamic sites.



Instructor Demonstration DOM Manipulation with Plain JavaScript



Activity:

Generating HTML with Plain JavaScript



Activity: Generating HTML with Plain JavaScript



Using the file sent to you as a starting point, add the missing code so that your JavaScript generates HTML content that displays all drink options.



Hint: You will need a for loop. Inside the for loop, you will need to use each of the following methods: createElement, innerHTML, and appendChild.

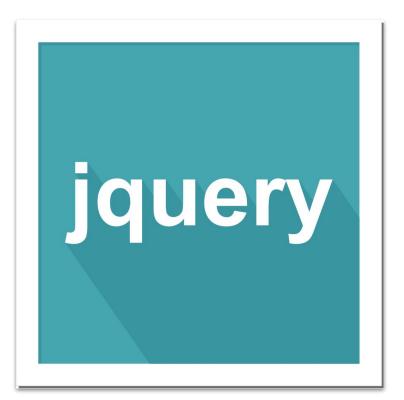




Intro to jQuery

jquery.com

jQuery is a cross-platform **JavaScript library** designed to simplify client-side HTML scripting.



Query Helper Library

jQuery can be useful for tasks such as:



Dynamically inserting, updating, or removing HTML



Registering click or other change events



Animating HTML elements



Downloading data from databases



And much more!

Working with jQuery

01

Include a CDN (Content Delivery Network) link to the jQuery script.

```
<!-- Added link to the jQuery Library -->
<script src="https://code.jquery.com/jquery-2.2.3.js" integrity="sha256-
laXWtGydpwqJ8JA+X9x2miwmaiKhn8tVmOVEigRNtP4=" crossorigin="anonymous"></script>
```

02

Utilize the jQuery specific (\$) selector.

```
$("#clickMe")
```

03

Apply jQuery methods on the selected elements.

```
$("#clickMe").on("click", function(){

   // Trigger an alert.
   alert("I've been clicked!");
})
```

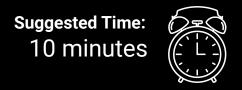


Instructor Demonstration DOM Manipulation with jQuery



Activity:

Generating HTML with jQuery



Activity: Generating HTML with jQuery



Refactor (rewrite) your previous drinkList code from earlier, but this time use jQuery to complete all of the same tasks.



Your final code should NOT have any of the following methods: createElement, innerHTML, or appendChild.



Hint: Don't forget to "incorporate" jQuery before you begin.



Bonus: Instead of using a for loop, look up how to use the jQuery .each method.





Instructor Demonstration
On-Click Basic



Partner Activity: Sandwich Clicking



Partner Activity: Sandwich Clicking

Add the missing code so that clicking any of the sandwiches causes:



An alert message that says something snarky about the sandwich type.



An alert message that displays how many of a specific sandwich the user has eaten.



Hint: You will need counter variables.



Bonus: Add an image to the image-div on the click event.





jQuery in a Nutshell

01

Find some HTML.

02

Attach to an event.

03

Do something in response.



jQuery in a Nutshell

We use the jQuery \$() identifier to capture HTML elements:

\$(".classname")	\$("div")
\$("#idname")	\$("p")

Then, we tie the element to a jQuery method of our choice to capture events:

.on("click")	.ready()
--------------	----------

Finally, we modify the selected element or add or remove elements from the DOM:

.animate()	.append()	.remove()
------------	-----------	-----------

jQuery: A Common Example

```
$(".growButton").on("click", function() {
   $(".captainplanet").animate({ height: "500px" });
});
```







Use Documentation When Needed: api.jquery.com

