

WDI XFILES

NATIVE JS DOM MANIPULATION

LEARNING OBJECTIVES

- ▶ Understand and learn DOM Selectors
- ▶ Manipulate the DOM with several methods
- ▶ Practice using both together to modify existing elements

SELECTORS

- ▶ Catchall selectors–

`document.querySelectorAll("article p")` - finds all matches.

- ▶ Specific selectors–

`document.querySelector(selector)` – finds first match only.


`document.getElementById(idname)` – select by id name.

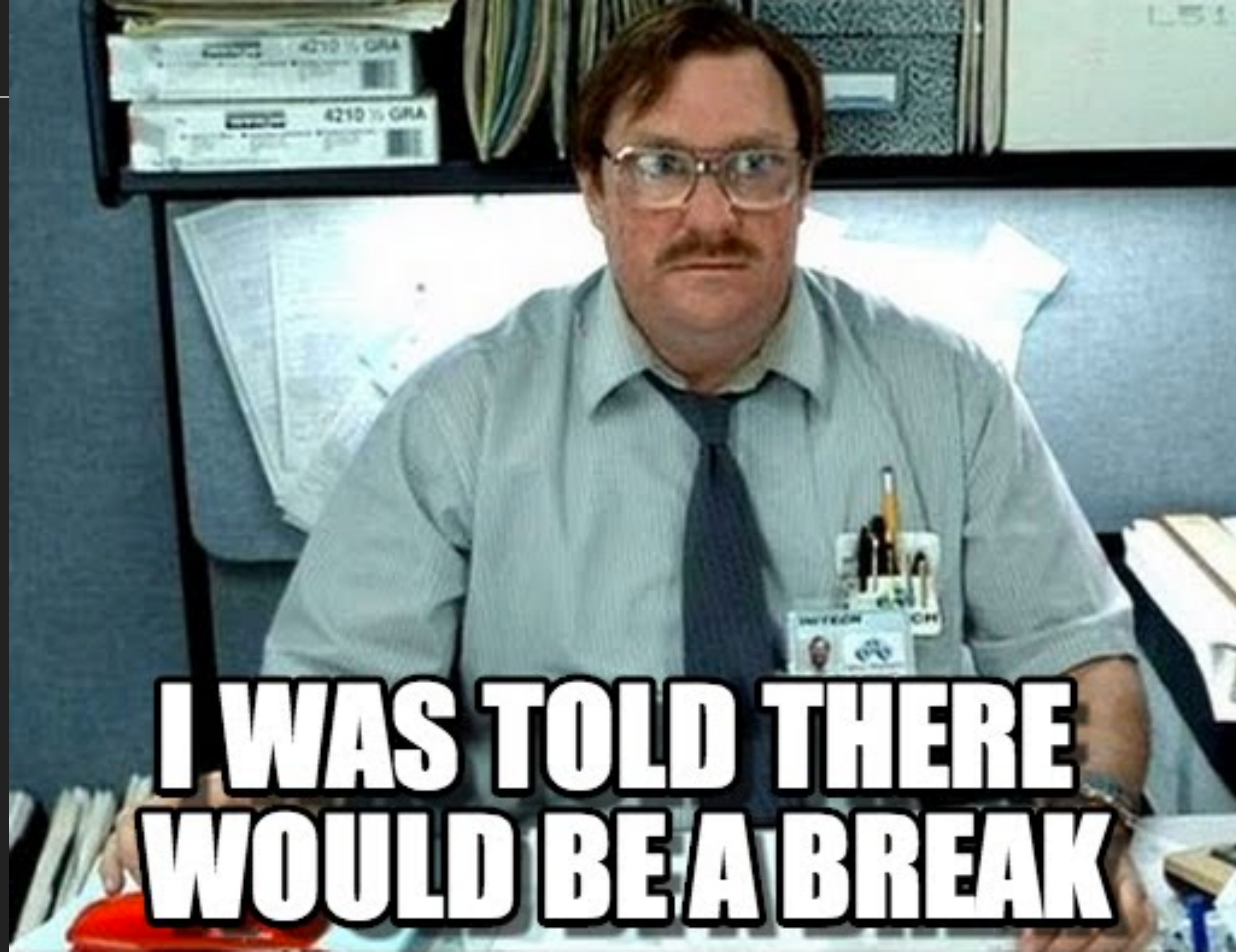
`document.getElementsByTagName(tagname)` – select by tag.

`document.getElementsByClassName(class)` – select by class.

JUST DO IT

**20 MINUTES
SOLO WORK**

- 
1. Select the paragraphs.
 2. Select only the first paragraph.
 3. Select only the first paragraph using `querySelectorAll`, and one more step.
 4. Select the blockquote by element type.
 5. Select the quote class.
 6. Select "mybutton" by it's ID.
 7. Select the button by element, see if you can find the method that will return the text inside of the button
 8. Select the blockquote, then Google a way to change the text to something more accurate- i.e. "This is a really crappy blog"



USEFUL METHODS AND ATTRIBUTES

```
myNode = document.querySelector('article')
```

- ▶ `myNode.children` - returns all child nodes.
- ▶ `myNode.className` - returns classname, can be set.
- ▶ `myNode.id` - returns id, can be set.
- ▶ `myNode.innerText` - returns text inside a node, can be set.
- ▶ `myNode.innerHTML` - returns html inside a node, can be set.

USEFUL METHODS AND ATTRIBUTES

```
myNode = document.querySelector('article')
```

- ▶ `myNode.lastElementChild` - returns the last element.
- ▶ `myNode.firstElementChild` - returns the first element.
- ▶ `myNode.parentElement` - returns the parent element/tag.
- ▶ `myNode.querySelector` - can run any selector to look inside of this element.
- ▶ `myNode.removeChild` - remove a specified child.

USEFUL METHODS AND ATTRIBUTES

```
myNode = document.querySelector('article')
```

- ▶ `myNode.setAttribute` - can set attributes for an element. (takes 2 arguments)
- ▶ `myNode.removeAttribute` - can remove attributes like class, id, etc.

MODIFYING STUFF

```
document.getElementById("container").innerHTML += "<p>more content</p>";
```

- ▶ The above code looks for something like:
`<div id="container"></div>`
- ▶ `.innerHTML` is a method that allows us to interact with the HTML inside the tag we selected.
- ▶ `+=` says add to the `innerHTML`,
- ▶ `"<p>more content</p>"` is what we add. We can access this new `<p>` tag with another selector after adding it.

MODIFYING STUFF

```
<header> <p> Hello </p> </header>
```

- ▶ `header = document.querySelector('header')`
- ▶ `paragraph = document.querySelector('p')`
- ▶ `header.removeChild(paragraph)`

SELF DISCO

20 MINUTES
Work as a table

1. Click the two links that I will Slack to the class
2. Look through MDN. Try to find a property or method I did not discuss already that looks like it could be useful.
3. Prepare to explain as a group one of these. Have a backup, as another group may pick the same topic.

LAB

Length Undecided
Work in quiet pairs or solo

1. Take a 5 minute break right now.
2. Come back, pull from upstream.
3. Follow the Readme.MD inside of the "moes" folder.