

The background is a solid light orange color. In the center, there is a computer monitor with an orange screen and a white bezel and stand. To the left of the monitor is a white keyboard with a grid of keys. Below the keyboard is a white computer mouse. To the right of the mouse is a white smartphone with an orange screen. To the right of the smartphone is a white notepad with an orange cover and a pencil lying next to it. The text is centered in the middle of the image.

# DOM Modification

I can use the DOM API from JavaScript to modify aspects of webpage elements like their styles and attributes, and create new elements.



# Starter

```
<a href="http://w3schools.com">Best  
Website</a>
```

Write JS DOM code to change the code above so that the link points to the UAG homepage.

# Your Notes

- ❖ Sample code for changing innerHTML and textContent.
- ❖ Sample code for creating an HTML element.

# Review

## Changing an HTML attribute

```
var imageEls = document.getElementsByTagName('img');  
    for (var i = 0; i < imageEls.length; i++) {  
        imageEls[i].src =  
        'https://www.kasandbox.org/programming-images/animals/cat.png';  
    }
```

# Review

## Changing CSS style

```
var headingEl = document.querySelector('#heading');  
    headingEl.style.color = 'orange';  
    headingEl.style.backgroundColor = 'black';  
    headingEl.style.textAlign = 'center';
```

# Review

## Changing CSS class

```
var headingEl = document.querySelector('#heading');  
headingEl.className = 'catcolors';
```

# To Do

1. Complete [Khan Academy DOM Modification](#)

Goal: complete ALL challenges today

## Resource:

[W3Schools DOM HTML](#)

[W3Schools DOM CSS](#)

## Homework:

Complete any of the above activities that you did not finish in class.

Day 2 of 2 for this lesson



# Exit Ticket

- ❖ Describe [in English or a human language of your choice] the steps you need to take in order to create a new HTML element and add it to a website.



# Standards

- ❖ 9-12.CT.7 Design or remix a program that utilizes a data structure to maintain changes to related pieces of data.
- ❖ 9-12.CT.4 Implement a program using a combination of student-defined and third-party functions to organize the computation