



JavaScript: JQuery

“Vanilla” Javascript

- Plain Javascript with no added libraries or frameworks
- You have been learning vanilla JS all year so far

JQuery

- JQuery is a JavaScript library (the most popular)
- Pre-built JavaScript that we can use in our code
- Bootstrap uses a lot of JQuery
- Mostly used for website animations and user interaction

How to use JQuery

1. Link to JQuery in your HTML Document
 - a. Codepen.io allows you to “Add External Scripts/Pens” in the JS settings
2. Give your HTML elements ids and classes
3. Select those elements in JQuery and do stuff to them

Basic JQuery Syntax

- `$("selector").someFunction("stuff");`
- Always start with a \$
- Always end with a ;

document ready

- In order to make sure your webpage loads completely before trying to activate any Javascript, put everything in this:

```
$(document).ready(function() {  
  
});
```

Selectors

- You can select all elements of a certain HTML type
 - \$("h2")
- You can select all elements of a class with the dot
 - \$(".className")
- You can select a single element by id with #
 - \$("#idName")

JQuery API Documentation

- The JQuery API Documentation will give explanations and examples of how to use its various features.
- You can also google “How to _____ jQuery” and usually find something that works for your project
- This is how the pros do it every day

on() method

- One way to handle user events
 - `$("#myButton").on("click", function () {
 //do stuff
});`
- Can also handle "mouseover", "mouseenter", "mouseleave", and many more