FEWD

Week 8 · Class 16

jQuery Plugins

Review

Ternary Operator

```javascript
var hour = new Date().getHours(); /* returns hr as 0-23 */

var dayOrNight = hour < 17 ? 'day' : 'evening';

console.log(dayOrNight);
```

Review

Get the Object Values

```javascript
var germanCars = [
  { make: 'Mercedes Benz', model: 'GL450', year: 2007 },
  { make: 'Porsche', model: 'Panamera', year: 2010 },
  { make: 'BMW', model: 'X5', year: 2018 },
  { make: 'Audi', model: 'A6', year: 2016 }
]
for(car of germanCars) {
  template = `YR: /* year */ MK: /* make */ MODEL: /* model */`;
  console.log(template)
}
```

Solution

Get the Object Values

```javascript
var germanCars = [
  { make: 'Mercedes Benz', model: 'GL450', year: 2007 },
  { make: 'Porsche', model: 'Panamera', year: 2010 },
  { make: 'BMW', model: 'X5', year: 2018 },
  { make: 'Audi', model: 'A6', year: 2016 }
]
for(car of germanCars) {
  template = `YR: ${car.year} MK: ${car.make} MODEL: ${car.model}`;
  console.log(template);
}
```

Review

Display a collection of images in the div.

```
<div id="image-grid"></div>
```

```
var images = [
  {url: 'mountains.png', title: 'Mountain adventures'},
  {url: 'ocean.png', title: 'Beach adventures'},
  {url: 'forest.jpg', title: 'Camping adventures'}
]
for(/* what goes here */) {
  $(/* what goes here */)
    .append(`<img src=/* what goes here */ alt=/* and here *//>`);
}
```

Solution

Display a collection of images in the div.

```html
<div id="image-grid"></div>
```

```javascript
var images = [
  {url: 'mountains.png', title: 'Mountain adventures'},
  {url: 'ocean.png', title: 'Beach adventures'},
  {url: 'forest.jpg', title: 'Camping adventures'}
]
for(img of imgData) {
  $('#image-grid').append(`<img src="${img.url}" alt="${img.title}">`);
}
```

Review

Create a Shopping List

```html
<div id="shopping-list">
  <ol></ol>
</div>
```

```javascript
var list = ['Wine', 'Dog Treats', 'Shampoo', 'Conditioner'];

for(/* what goes here */) {
  var template =
  `<li>/* what goes here */ <button>Edit</button></li>`;
  $('#shopping-list>ol')./* what goes here */(template);
}
```

Solution

Create a Shopping List

```html
<div id="shopping-list">
  <ol></ol>
</div>
```

```javascript
var list = ['Wine', 'Dog Treats', 'Shampoo', 'Conditioner'];

for(item of list) {
  var template =
  `<li>${item} <button>Edit</button></li>`;
  $('#shopping-list>ol').append(template);
}
```

Review

Display the greeting when the button is clicked

```html
<input name="name" id="name" value="" placeholder="Enter your name">
<button>Submit</button>
<p id="greeting"></p>
```

```javascript
$('button').click(function(){
  var inputValue = $('#name').val();
  var eveningMsg = 'Good evening ' + inputValue;
  var dayMsg = 'Good day ' + inputValue;
  var hour = new Date().getHours();

  $('#greeting').text(/* try ternary? 🤓 */);
});
```

Solution

Display the greeting when the button is clicked

```html
<input name="name" id="name" value="" placeholder="Enter your name">
<button>Submit</button>
<p id="greeting"></p>
```

```javascript
$('button').click(function(){
  var inputValue = $('#name').val();
  var eveningMsg = 'Good evening ' + inputValue;
  var dayMsg = 'Good day ' + inputValue;
  var hour = new Date().getHours();

  $('#greeting').text(hour > 17 ? eveningMsg : dayMsg);
});
```

Review

Toggle a class when the list item is clicked

```css
.done { text-decoration: line-through; }
```

```html
<li>Wine</li>
```

```javascript
$(/* what goes here */).click(function(){
  $(this)./* what goes here */
});
```

Solution

Toggle a class when the list item is clicked

```css
.done { text-decoration: line-through; }
```

```html
<li>Wine</li>
```

```javascript
$('li').click(function(){
  $(this).toggleClass('done');   /* ❤️❤️ $(this) ❤️❤️ */
});
```

What We'll Cover

- How to use jQuery Plugins
- Final Projects!!!

3 Things to Remember

1. Make sure jQuery is loaded *before* the plugin js file!
2. Make sure you load both the js and css files (if any) that are required.
3. Initialize the plugin in your ready function.

Files You Need

Most plugins will contain a *"dist"* folder. Generally, this is all you need. Place the files in this folder anywhere in your project file, but make sure to link them correctly.

Check for Options

jQuery plugins often have a set of options that are used to initialize the plugin. Options are passed to the initializing method as an object.

Check for data attributes

Many plugins use data attributes on the html of the element being initialized.

Go Build Awesome Things!