FEWD

Week 7 · Class 14

Forms

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.

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

```javascript
var imgData = [
  {url: 'dogs.png', title: 'Cute dogs'},
  {url: 'cats.png', title: 'Cute cats'},
  {url: 'horse.jpg', title: 'Cute horses'},
  {url: 'rabbits.jpg', title: 'Cute rabbits'}
]
for(/* what goes here */ of imgData) {
  $(/* 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 imgData = [
  {url: 'dogs.png', title: 'Cute dogs'},
  {url: 'cats.png', title: 'Cute cats'},
  {url: 'horse.jpg', title: 'Cute horses'},
  {url: 'rabbits.jpg', title: 'Cute rabbits'}
]
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

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

```
$('#greeting').hide();
$('button')./* what goes here */
  var inputValue = $('#name').val();
  var greetMsg = 'Hello ' + inputValue;

  $('#greeting').text(greetMsg);
  /* what goes here */
});
```

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
$('#greeting').hide();
$('button').click(function(){
  var inputValue = $('#name').val();
  var greetMsg = 'Hello ' + inputValue;

  $('#greeting').text(greetMsg);
  $('#greeting').show();
});
```

Better 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
var greetPara = $('#greeting');
greetPara.hide();

$('button').click(function(){
  var inputValue = $('#name').val();
  var greetMsg = 'Hello ' + inputValue;
  greetPara.text(greetMsg).show(); /* ❤️❤️ Chaining Methods ❤️❤️ */
});
```

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

- HTML form elements
- The contenteditable attribute
- HTML5 Validation
- Javascript & Forms 🤓

Form Elements

Form Element

```
<form>
  /* All of your form elements */
</form>
```

Input Element Types

```
<input type="text" name="modelname">
```

Types:

- text
- password
- submit
- reset
- radio

- checkbox
- button
- number
- email
- search

- color
- date
- datetime-local
- month
- range

- tel
- time
- url
- week

Text Inputs

```html
<input type="text" name="modelname" value="" required>
```

Attributes

- name
- value
- readonly
- disabled
- maxlength

placeholder: text displayed in the field before focus
required: form doesn't submit if empty
autocomplete: browser may autocomplete
autofocus: field is focused on page load
form: form name the element belongs to
pattern: a regular expression to match the input text to
novalidate: don't use browser validation

Radio Buttons

```
<label><input type="radio" name="crust" value="reg" checked> Regular</l
<label><input type="radio" name="crust" value="dd"> Sicilian</label>
<label><input type="radio" name="crust" value="thin"> Thin</label>
```

✅ **TIP:** Wrap radio buttons in `<label>` tags. The labels are clickable, the cursor changes to an arrow, and the text is easier to style!

Checkboxes

```
<input type="checkbox" name="delivery" value="Y" checked> Delivery?
```

✅ **TIP:** Wrap boxes in `<label>` tags. The labels are clickable, the cursor changes to an arrow, and the text is easier to style!

🚩 **HEADS UP:** If you don't provide a value, the value that will be passed can vary by browser.

Range Inputs

```
<input type="range" name="age" value="25" min="25" max="50" step="5">
```

Attributes

- max: Maximum value
- min: Minimum value
- step: Limit the increments

Select Elements

```html
<select name="text">
  <option disabled selected value="">Select A Value</option>
  <option value="value1">Value 1</option>
  <option value="value2">Value 2</option>
  <option value="value3">Value 3</option>
</select>
```

Text Areas

```
<textarea rows="4" cols="50">Hey there!
One difference with textarea is that it can be scaled to fit the conten
</textarea>
```

Form Tricks

Contenteditable

Contenteditable Attribute

The contenteditable attribute can be added to any element that contains text!

```
<div contenteditable="true">Any text here can be edited!</div>
```

Get the Value?

We can use the `.text()` method to retrieve the text inside a contenteditable area.

```javascript
$('div').on('input', function(){

  console.log( $(this).text() );

});
```

Go Build Awesome Things!