



INTERFACE
THE WEB SCHOOL

“Keep Your Day Job. Enhance Your Skills”

Introduction to jQuery

Shonna Dorsey
Interface: The Web School

Today's Agenda

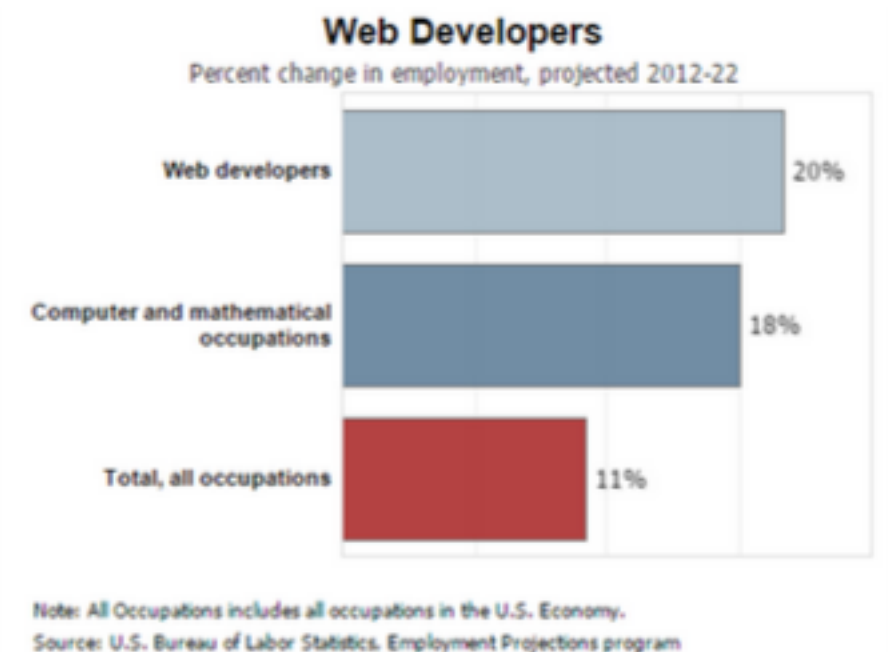
- Google Drive Setup - 15 minutes
- HTML and CSS Review - 30 minutes
- Introduction to jQuery - 1 hour, 30 minutes
- Website build with jQuery features - 1 hour



Market Conditions

Reported Nebraska Numbers:

- .62 candidates per web development opening
- By 2022, web development position openings are expected to grow nationally by 20% compared to 11% in all other occupations



Where our grads work and what they do

Employers

- CSG
- Creighton University
- Ebekka Designs
- Elevate
- Fat Brain Toys
- Flywheel
- First National Bank
- Kiewit Corporation
- OnPxl
- Sogeti
- West Corporation
- Viirt

Jobs

- Junior .NET Developer
- Junior Ruby Developer
- Junior Java Developer
- Front-End Developer
- UI/UX analyst
- Content Analyst
- Support Engineer
- Technical Project Manager
- Account Executive (for a tech consulting firm)
- Web Designer

Interface is designed for...

- College graduates (associates/bachelors) without technical degrees or coding experience.
- Professionals with 2-6 years in a professional work environment.
- Professionals who want to work full time while advancing their skills to do more in their current roles or transition to a career building the web.

Quick Quiz

- What is the difference between HTML and CSS?
- What is the difference between jQuery and JavaScript?
- How is JavaScript related to Java?
- *hint: Google is your friend*

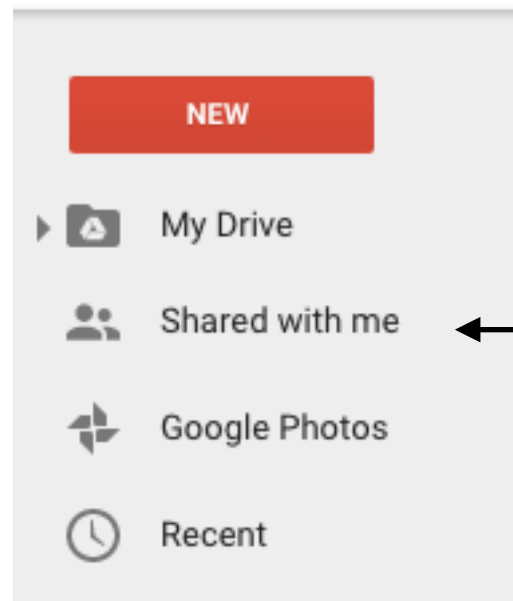


About Interface: The Web School

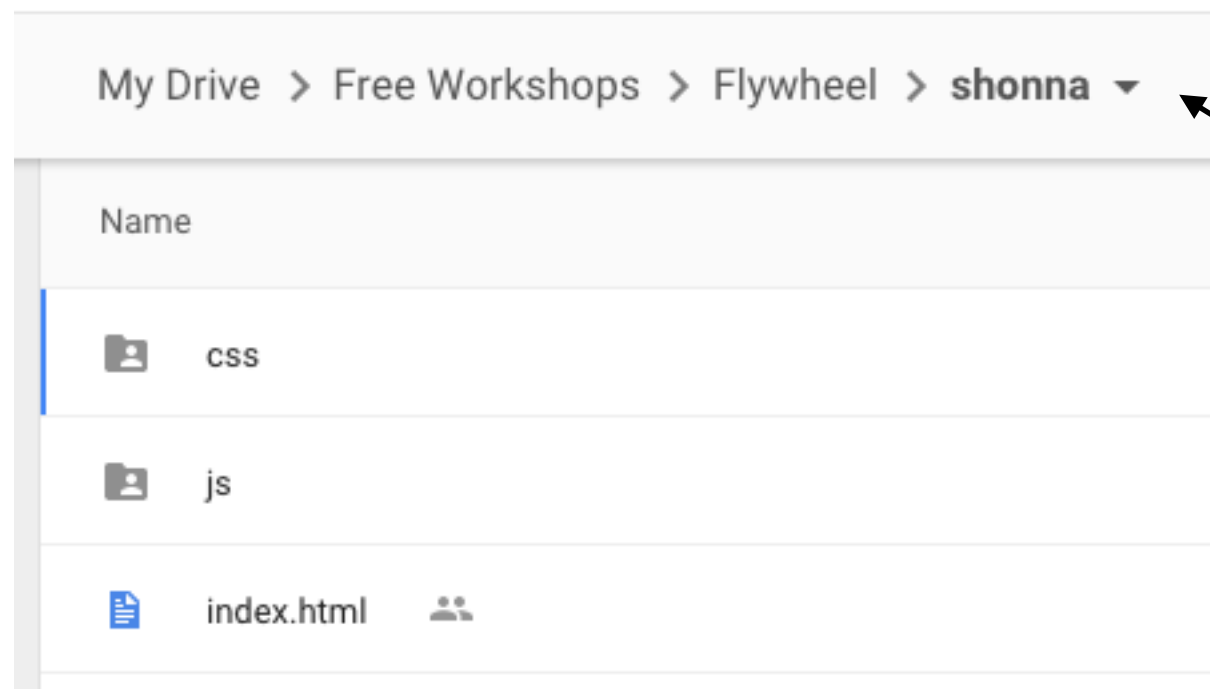
“Keep Your Day Job. Enhance Your Skills”

1st Things First

Google Drive Setup



Open
'drive.google.com' and
click on 'Shared with
me'

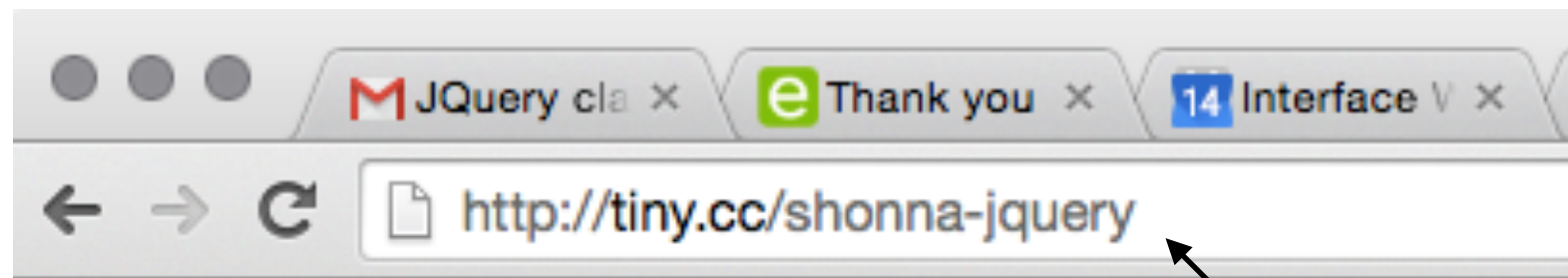


Open the folder with your name on it (created Aug 14, 2015).

You should see two folders and one file.

Open your site in a new tab

(it's pretty boring right now... :))



This is a test

Your url is <http://tiny.cc/firstname-jquery>

HTML and CSS Review



Let's look at the code

open index.html

Quick Quiz:

1. What are the three main sections in an HTML document?

ANSWER: HTML, HEAD, BODY

2. Does every HTML tag need to have a closing tag?
Example `<html></html>`

ANSWER: No. Examples include `` `
` `<hr>`

3. Does code entered between `<head></head>` appear on the page? What is the purpose of the head tag?

ANSWER: No. The purpose is to provide information for the page. Includes css file references, JavaScript file references, tags, etc.

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <!--LINK TO STYLE SHEET-->
5     <link rel="stylesheet" type="text/css" href="css/style.css">
6     <!--LINK TO JQUERY LIBRARY ON GOOGLEAPIS-->
7     <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.3/jquery.min.js">
8     <!--LINK TO CUSTOM JQUERY FILE-->
9     <script src="js/jquery.js"></script>
10  </head>
11  <body>
12    <p>This is a test</p>
13  </body>
14
15 </html>
16
```

Let's Write A Bit of Code

- Delete line 12 - current includes
- `<p>This is a test.</p>`
- **Add four semantic elements**
 - `<header></header>`
 - `<nav></nav>`
 - `<section></section>`
 - `<footer></footer>`

Update the Body tag

From `<body>`

To: `<body class="site">`

Edit the “header”

```
<main class="site-content">
```

```
<header>
```

```
  <h1>Shonna Dorsey</h1>
```

```
</header>
```

Edit the nav

```
<nav>
```

```
About me<br>
```

```
News<br>
```

```
Projects<br>
```

```
</nav>
```



Add content to the “section”

```
<section>
```

```
  <div id="accordion">
```

```
    <h3>Home</h3>
```

```
    <p>Here is a sentence about me.</p>
```

```
    <p>Here is another sentence about me</p>
```

```
    <h3>A bit more info</h3>
```

```
    <p>Here is a sentence about me.</p>
```

```
    <p>Here is another sentence about me</p>
```

```
  </div>
```

```
</section>
```

Update the “footer”

```
</main>
```

```
<footer><a  
href="mailto:shonna@interfaceschool.com">Shonna  
Dorsey</a></footer>
```

Save your work and reload your page

Current page layout

Shonna Dorsey

About me
News
Projects

Home

Here is a sentence about me.

Here is another sentence about me

[Shonna Dorsey](#)

Quick quiz - why the
minimal formatting?
Why no style?



Update your css file

- Open the css folder in Google drive
- Open style.css

Update the “header” style

```
header {  
  
    background-color:black;  
  
    color:white;  
  
    text-align:center;  
  
    padding:5px;  
  
}
```

Update the “navigation” style

```
nav {
```

```
    line-height:30px;
```

```
    background-color:#eeeeee;
```

← What are six digit color codes called?

```
    height:100vh;
```

← How does vh work?

```
    width:100px;
```

```
    float:left;
```

```
    padding:5px;
```

```
}
```

Update the “section” style

```
section {
```

```
    width:350px;
```

```
    float:left; ← How does float work?
```

```
    padding:10px;
```

```
}
```

Add .site settings

```
.site {  
  
  display: flex;  
  
  min-height: 100vh;  
  
  flex-direction: column;  
  
}
```


Add .site-content settings

```
.site-content {  
  
    flex: 1;  
  
}
```

Update the “footer” style

```
footer {
```

```
background-color:black;
```

```
color:white;
```

```
clear:both;
```

How does
‘clear’ work?



```
text-align:center;
```

```
width: 100%;
```

```
}
```

Now, let's look at jQuery!

What is jQuery? According to [w3schools.com/jquery](https://www.w3schools.com/jquery)

jQuery is a lightweight, "write less, do more", JavaScript library.

The purpose of jQuery is to make it much easier to use JavaScript on your website.

jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code.

jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.

The jQuery library contains the following features:

- HTML/DOM manipulation
- CSS manipulation
- HTML event methods
- Effects and animations
- AJAX
- Utilities

Go to codecademy.com

I've set each of you up with accounts. Your username is:

firstName@interface-jquery.com

password: Interface123!

Click on the following link after you are signed in:

tiny.cc/jquery-codecademy

Exercises

We are going to complete the following jQuery Exercises:

Introduction to jQuery: 1 - 4, 10 - 13

jQuery Functions and Selectors: 1 - 4, 5, 9

jQuery Effects: 6 - 10, 13

Let's Add Some Functionality to our sites!

Go to Google Drive and Open the css folder, then open style.css

What we are going to do:

How can we do this
without repeating
ourselves?

- Set h1 and #toggle to display: none;



What else can we do with jQuery?

Check out jQuery resources:

- **w3schools.com**
- **jqueryui.com**
- **jquery.com**
- **stackoverflow.com**
- **codepen.io**

Want to learn more?

Upcoming Courses and Info Sessions

- **Aug 18: 5:30p**, Omaha Front-End Course Info Session. RSVP: tiny.cc/iws-oma
- **Aug 24 - Nov 5**: Front-End Developer Training - Lincoln. More info: <http://interfaceschool.com/course/front-end>
- **Sept 7 - Nov 20**: Front-End Developer Training - Omaha. More info: <http://interfaceschool.com/course/front-end>



Get the document 'ready'

Someone tell us how to do this....

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

Let's 'fadeIn' the h1

Someone tell us how to do this....

```
$('#h1').fadeIn(1000);
```



Let's slide in the left nav

```
$('#toggle').animate({width:'toggle'},1000);
```

Let's turn on the accordion

```
$('#accordion').accordion();
```