

HTML5 & CSS3

Week 9

Today's Agenda

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|-------------------------------------|---------|
| 1- Discuss homework & Git questions | 25 mins |
| 2- Professional Networking | 20 mins |
| 3- HTML Boilerplate | 30 mins |
| 4- Bootstrap | 60 mins |
| 5- In Class Project | 20 mins |
| 6- Homework | 10 mins |

Homework & Git Discussion

Questions/comments?

Homework Discussion

The goal of the stp-archery project was for you to have a/another good portfolio project.

But writing the code is only half the battle- you have to be able to talk about it!

Homework Discussion

Please prepare a 1 minute “elevator pitch”-type description of this project. How would you describe it to a stranger?

- **your contribution**
- **technical challenges**
- **collaboration strategies**

I'll randomly choose students to share.

Pitch Example

“I worked with a partner to build this site for an imaginary client, an archery center. Working with materials from the ‘client’, I planned the site’s architecture, while my partner designed the layouts and styles. We collaborated via Github pull requests, but for my next project, I’d like to do more pair programming because I think it fosters a better working relationship. Our goal was to have a fun, easy to use UX that would appeal to both child and adult users, and I think we did a great job accomplishing that.”

Professional Networking

OMG Talking to Strangers

Real Talk

The best way to hear about good jobs and get your resume to the top of the list for these jobs is by knowing people.

Cold applying for posted jobs has a very low success rate.

Networking is pretty much mandatory.

Network Like A Cool Person

The goal of networking is not to toady up to people with more power than you- that's not effective or fun.

The goal is to build friendly, genuine acquaintanceships with a variety of people.

Network Like A Cool Person

- Be polite to everyone, even if you don't think they can do anything for you
- Approach strangers and introduce yourself
- Have a conversation starter ready
- Find people that share an interest with you
- Don't try to be buds with someone that you don't actually like

Are you:

- not white?
- not male?
- over 25?
- not heterosexual?
- not cisgender?

Do you:

- not have a middle-class background?
- not have a Computer Science degree, or any college degree?

Super! That means you're part of an "underrepresented group" in tech. Other folks in your category(ies) will be thrilled that you're here! Find them- they will be the bedrock of your professional network.

There are some specialized social groups listed in the resources. You can also find folks through Twitter or in person at meetups.

Network Like A Cool Person

Awkwardly standing around holding a drink isn't the only way to network.

Get involved in a techy non-profit and actually *work* with the people you want to work with!

Where Else?

Meetup groups

Conferences

Twitter

LinkedIn

Right here!

In Class Activity

Canvas discussion: **Network Building**

Share:

- your LinkedIn & Twitter info (if you're comfortable doing so)
- other social media suggestions/info
- meetups you like going to
- cool orgs to volunteer with

In Class Activity

Join some suggested Meetup groups.

Follow/connect with/friend your classmates on social media sites.

Out of Class Activity

After next week's class, let's go to Elephant & Castle and have a beverage and hang out. Get to know your classmates outside of the chat room :)

Remote students definitely welcome!

RSVP via email to me, I'll reserve us some tables.

Helpers



Why Use Helpers/Templates?

- saves you work
- ensures your projects are industry standard
- can teach you a lot

HTML Boilerplate



What It Is

HTML5 Boilerplate is a template system. It includes all the *stuff* that's required for most modern web projects- helpful tools and plugins, a bit of basic css, and lots of great documentation.

You build your html files within the directory they provide.

How to Use

Download the complete Boilerplate directory of files, start adding your own html files to it, each using the included index.html as a template.

Check it Out!

<http://html5boilerplate.com/>

The Bottom Line

For class assignments, you don't really need all the stuff Boilerplate provides, but for professional projects, it'll ensure you don't forget anything important! It's also a fantastic learning tool.

Bootstrap



What It Is

Bootstrap is a whole lot of css and javascript that you can link to from your html. When you apply the right classes to your html, the Bootstrap styles kick in and make it attractive and/or responsive.

How To Use

You can download the files you need and include them in your project's styles/ and js/ directories, or just link to the CDNs of them. Review Bootstrap's documentation and examples to figure out the right classes and elements to use.

Check it Out!

<http://getbootstrap.com/>

Examples

<http://getbootstrap.com/getting-started/>

<http://getbootstrap.com/components>

copying & pasting is the key to using Bootstrap

Overriding Bootstrap

CSS that is loaded later has more “weight” when conflicting styles are detected. So if you write styles to override Bootstrap’s, just make sure they are loaded last.

View the Bootstrap CSS to find classes and rules to override.

Rule in bootstrap-theme.css

```
.btn-info {  
  background-image: -webkit-linear-gradient(top, #5bc0de 0%, #2aabd2 100%);  
  background-image: -o-linear-gradient(top, #5bc0de 0%, #2aabd2 100%);  
  background-image: linear-gradient(to bottom, #5bc0de 0%, #2aabd2 100%);  
  filter: progid:DXImageTransform.Microsoft.gradient(startColorstr='#ff5bc0de'  
    , endColorstr='#ff2aabd2', GradientType=0);  
  filter: progid:DXImageTransform.Microsoft.gradient(enabled = false);  
  background-repeat: repeat-x;  
  border-color: #28a4c9;  
}
```

HTML in index.html

```
<button type="button" class="btn btn-info pink" data-toggle="dropdown" aria-  
expanded="false">Yay!</button>
```

Rule in styles.css, loaded last

```
.btn-info.pink {border-color: magenta;}
```

Yay!

Grid

The Bootstrap grid is 12 columns wide. You can specify the width that you want columns to be on different size screens. This functionality is beyond the scope of this class- we'll use this syntax only:

`.col-md-2` will be 2 out of 12 columns wide

`.col-md-8` will be 8 out of 12 columns wide

In Class Activity

Get the `sample-doc.html` file from Lesson09 Overview in Canvas.

Add Bootstrap to the page, and add styles to it with Bootstrap's theme.

Bottom Line

If you're not a designer, Bootstrap is an awesome way to make your site look professional with very little effort. In your career, you will undoubtedly work on sites that are already using Bootstrap.

Homework

Add another page to your portfolio site, with any content that you like, and style it using *only* Bootstrap.

If you would like to incorporate some Bootstrap styles into the other pages, you're welcome to do so.

Class Evaluations

Yay!

Remote students, you're done for the evening.
See you next week!