

Stand Up!



Objectives & Key Outcomes

THE TAKEAWAYS FROM THIS CLASS

By the end of class today, you will be able to:

Deploy sites
using GitHub
Pages.



Style elements
based on state
using CSS pseudo
classes.



Be able to customize
your websites
typography using
CSS and Google
Fonts.



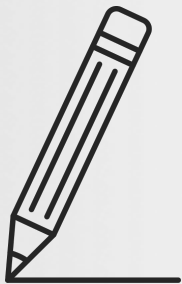
Add Bootstrap
Components to
your page.



GitHub Pages

GitHub Pages

STATIC DEPLOYS



Notebooks Ready? It's time for a mini lecture.





A Deep and Complex diagram above on how the internet works



DEPLOYMENT

GitHub provides hosting for **static websites** – which means we can deploy our websites and applications onto their servers for the world to see.

GitHub Pages Practice: Creating a Project Site

INDEPENDENT PRACTICE

It's time to fly. Focus. Work hard. Ask for help when you need it.

Work in PAIRS to complete all of the goals below.

Goals:

- Create a header that will act as a title for the page.
- Create a few short paragraphs describing the animal's best characteristics.
- Include at least one picture of the animal.
- Once you have created your HTML add, commit, and push your files up to GitHub Pages.
- Make sure to navigate to your page in the web browser to ensure your website is live.



**20
minutes!**



Stay Seated & Take 3 Deep Breaths.

RELAX.

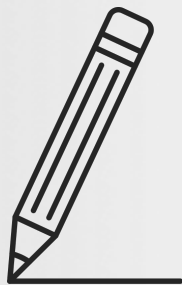
Now take a short walk. Clear your head. After a few minutes break, quickly review your notes.
We'll start back in 5 minutes.



CSS Typography

CSS Typography

WRITING IN STYLE

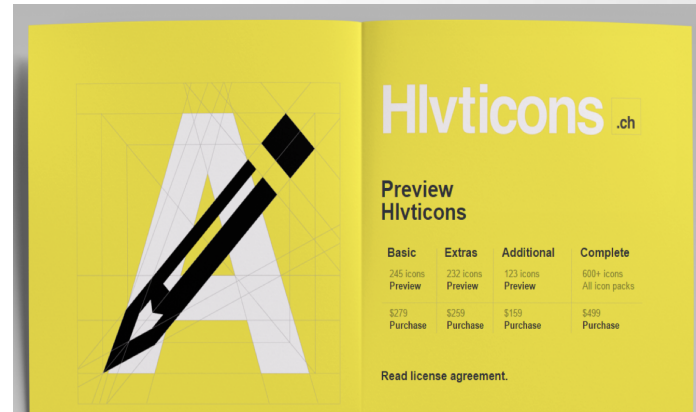


Notebooks Ready? It's time for a mini lecture.



Typography is Huge!

Typography can play a huge role in the visual aesthetic and emotional identity of a webpage.



Typographic Properties

Line Height

Distance between lines of text on a page (Golden Ratio of 1.5x font).

Font-Size

Actual size of lettering. Should be at least 16 px on modern pages.

<https://www.smashingmagazine.com/2011/10/16-pixels-body-copy-anything-less-costly-mistake>

Line Length

Not a CSS property but rather a standard. Should be about 50-75 characters per line on a desktop .

<http://baymard.com/blog/line-length-readability>

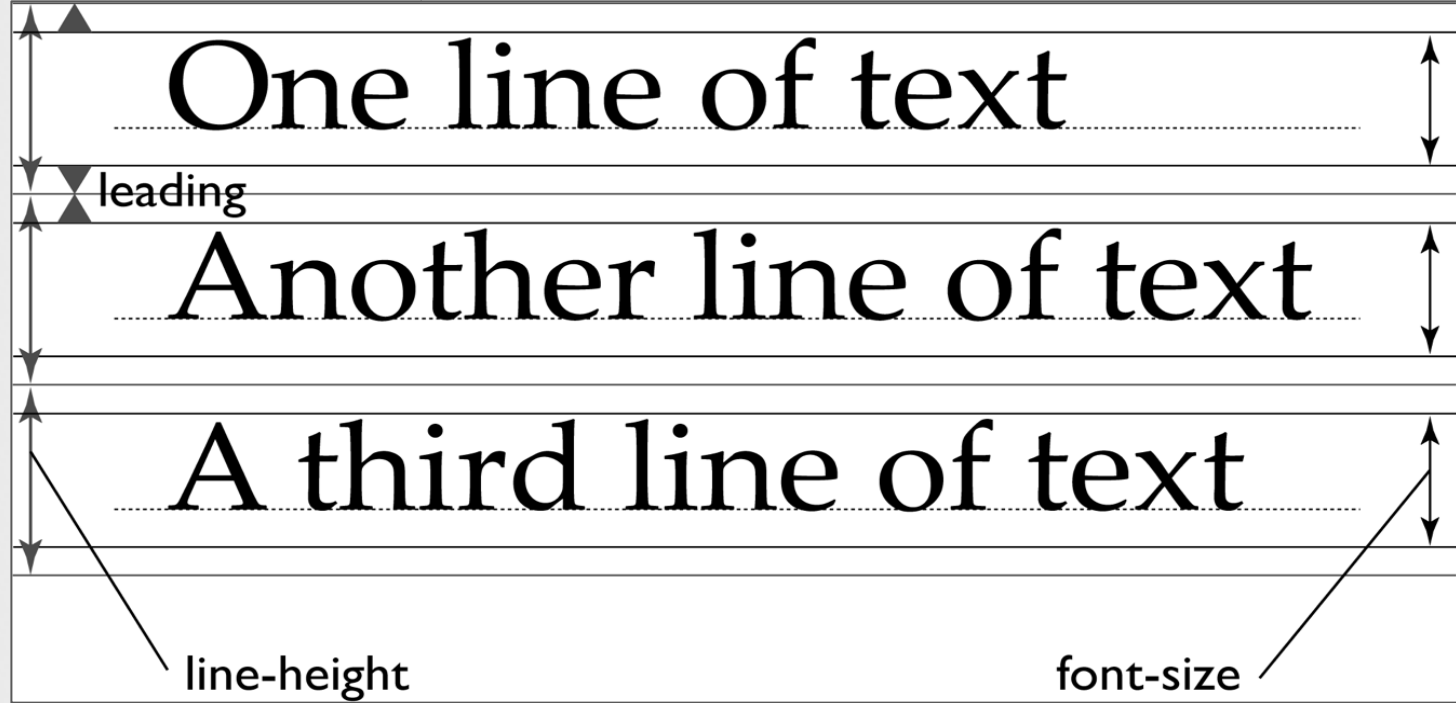
Letter Spacing

Spacing between individual letters—try to avoid cramping

Sans-Serif vs Serif

Sans-serif are fonts sans their serifs—no tails. They're easier to read online.





CSS Typography Practice

INDEPENDENT PRACTICE

It's time to fly. Focus. Work hard. Ask for help when you need it.

Work in PAIRS to complete all of the goals below.

Goals:

- Be sure to modify the following CSS properties for each paragraph of your page:
 - font-family
 - font-size
 - font-weight
 - line-height



**10
minutes!**

Challenge:

- If you finish early, read about TypePlate (<http://typeplate.com/>) and see if you can figure out how to incorporate it into your site.

Custom Fonts Practice

INDEPENDENT PRACTICE

It's time to fly. Focus. Work hard. Ask for help when you need it.

Work in PAIRS to complete all of the goals below.

Goals:

- Create (or re-use) an HTML Document of your choosing and then incorporate 2-3 Custom Google Fonts into the page.

Challenge:

- If you finish early, read about Font Awesome (<https://fontawesome.com/>) icons and see if you can figure out how to incorporate one onto your page.



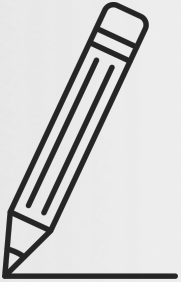
**10
minutes!**

lunch.

CSS Pseudo-Classes



CSS Pseudo-Classes



Notebooks Ready? It's time for a mini lecture.



Pseudo Classes

CSS has keywords that can be added to selectors. These highlight the **special states** of the selected element.

Great example: CSS can hook onto the specific moment when a link is **hovered over** using the **:hover** pseudo-class.

Complete list of pseudo-classes found here: <https://developer.mozilla.org/en-US/docs/Web/CSS/Pseudo-classes>

Pseudo Classes

:active

:any

:checked

:default

:dir()

:disable

:empty

:enabled

:first

:first-child

:first-of-type

:fullscreen

:focus

:hover

:indeterminate

:in-range

:lang()

:last-child

:last-of-type

:left

:link

:not()

:nth-child()

:nth-last-of-type()

:nth-of-type()

... the list goes on

CSS Pseudo-Classes

WATCH & LEARN

Close your laptop. Eyes on my screen. Pay attention.

```
a { font-size: 64px; }
```

```
a:hover { background-color: red; }
```

```
a:focus { background-color: orange; }
```

```
a:active { background-color: black; }
```

CSS Pseudo-Class Practice

INDEPENDENT PRACTICE

It's time to fly. Focus. Work hard. Ask for help when you need it.

Work in PAIRS to complete all of the goals below.

Goals:

- Create a series of links and modify the pseudo-classes associated with their Default, Active, Hover, and Focus States.

Challenge:

- If you finish early, incorporate a pseudo-class we haven't covered in your page. Then read about "pseudo-elements" and try to incorporate one as well.



**15
minutes!**



Stay Seated & Take 3 Deep Breaths.

RELAX.

Now take a short walk. Clear your head. After a few minutes break, quickly review your notes.
We'll start back in 5 minutes.



Intro to Bootstrap



CSS Pseudo-Classes: CDN Link

WATCH & LEARN

Close your laptop. Eyes on my screen. Pay attention.

```
<head>
```

```
  <title>Coding Boot Camp!</title>
```

```
  <!-- Latest compiled and minified CSS -->
```

```
  <link rel="stylesheet"          href="https://  
  stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">
```

```
</head>
```

CSS Pseudo-Classes: Jumbotron

WATCH & LEARN

Close your laptop. Eyes on my screen. Pay attention.

```
<div class="jumbotron">

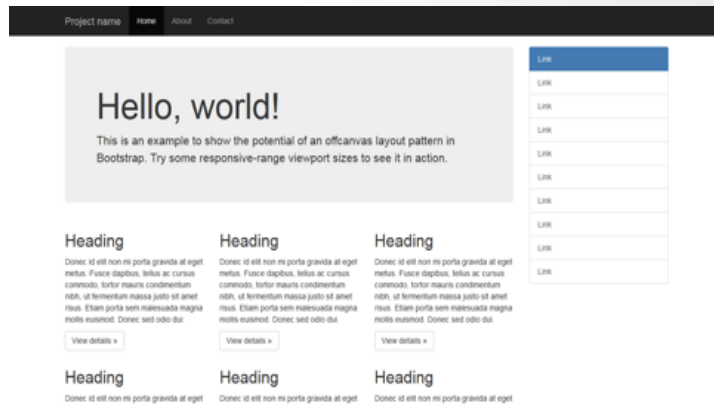
  <h1 class="text-center"><strong>Awesome Header</strong></h1>
  <h2 class="text-center">Smaller Awesome Header</h2>
  <h3 class="text-center">Even Smaller Header</h3>

  <p class="text-center">
    <a class="btn btn-primary btn-lg" href="#" role="button">
      <span class="fa fa-envelope"></span> Learn more </a>
  </p>
</div>
```

Twitter Bootstrap is a free collection of tools for creating websites and web applications.

It comes with a pre-built design template for typography, forms, buttons, navigation, UI elements and JavaScript.

Documentation here: <http://getbootstrap.com/>

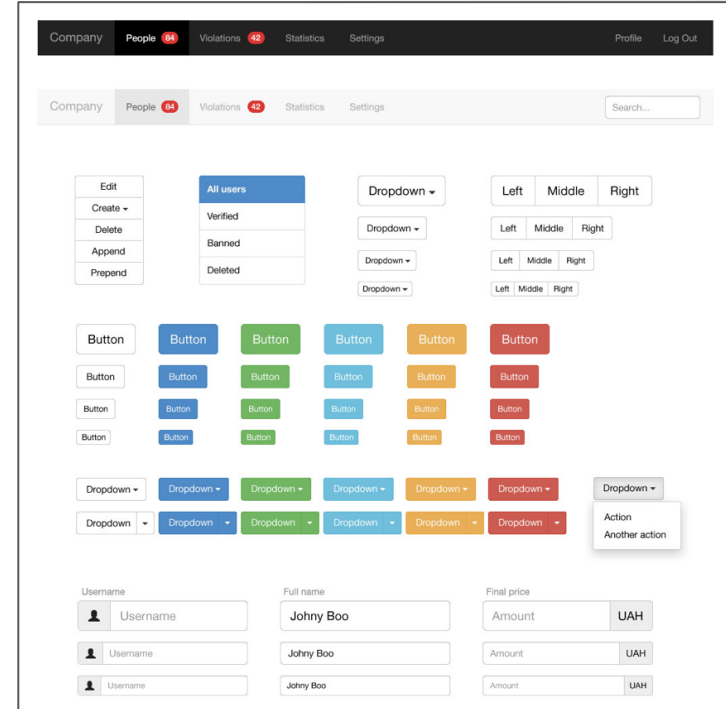


WHY BOOTSTRAP?

It's a UI Kit

Familiarize yourself with the UI features it offers via the documentation.

Once Bootstrap is active, you can simply copy snippets from the documentation to save yourself major time of creating elements yourself.



JUMBOTRON

Hello, world!

This is a simple hero unit, a simple jumbotron-style component for calling extra attention to featured content or information.

[Learn more](#)

```
<div class="jumbotron">
  <h1>Hello, world!</h1>
  <p>...</p>
  <p><a class="btn btn-primary btn-lg" href="#" role="button">Learn more</a></p>
</div>
```

FORM

Email address

Password

File input

No file chosen

Example block-level help text here.

☐ Check me out

```
<form>
  <div class="form-group">
    <label for="exampleInputEmail1">Email address</label>
    <input type="email" class="form-control" id="exampleInputEmail1" placeholder="Enter email">
  </div>
  <div class="form-group">
    <label for="exampleInputPassword1">Password</label>
    <input type="password" class="form-control" id="exampleInputPassword1" placeholder="Password">
  </div>
  <div class="form-group">
    <label for="exampleInputFile">File input</label>
    <input type="file" id="exampleInputFile">
    <p class="help-block">Example block-level help text here.</p>
  </div>
  <div class="checkbox">
    <label>
      <input type="checkbox"> Check me out
    </label>
  </div>
  <button type="submit" class="btn btn-default">Submit</button>
</form>
```



WHY BOOTSTRAP?

Mobile Responsiveness

One of the most compelling reasons to use Bootstrap is the default mobile-responsive quality it provides.

This means that your website will look “good” automatically when viewed on screens ranging from monitors to tablets to phones

Bootstrap Practice

INDEPENDENT PRACTICE

It's time to fly. Focus. Work hard. Ask for help when you need it.

Work in PAIRS to complete all of the goals below.

Goals:

- Navigate to the Twitter Bootstrap website.
- Then copy the link to the Bootstrap CSS file into one of your old HTML files.
- Look through the Bootstrap CSS or Components list and incorporate at least three Bootstrap elements onto your page.
- Slack a screenshot of your page when you are done.



**15
minutes!**