OBJECTIVES

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

- [ ] Deploy sites using GitHub Pages.
- [ ] Be able to customize your websites typography using CSS and Google Fonts
- [ ] Style elements based on state using CSS pseudo classes
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GITHUB PAGES

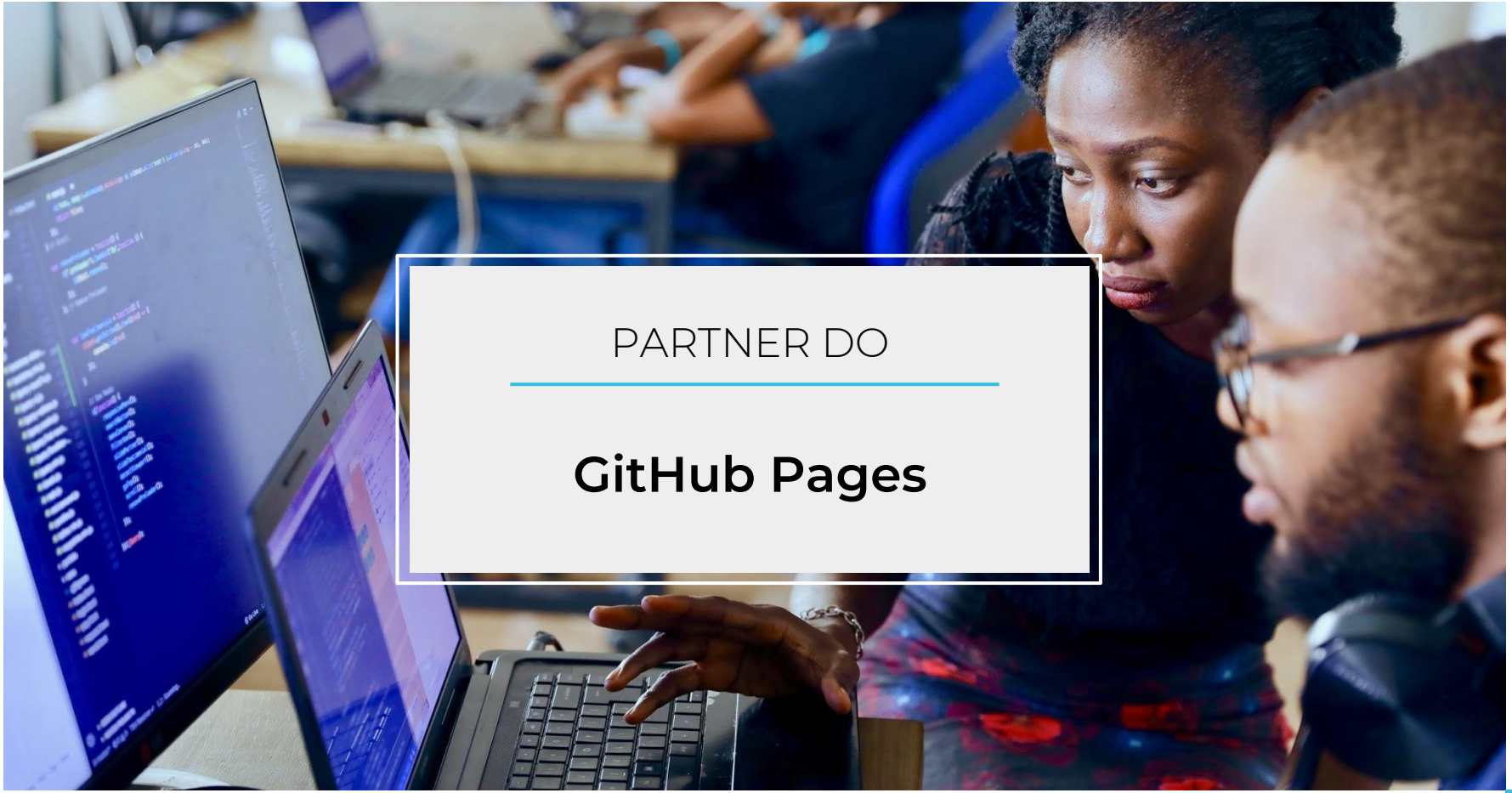
A Deep and Complex diagram above on how the internet works

DEPLOYMENT

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

INSTRUCTOR DO

GitHub Pages


PARTNER DO
GitHub Pages

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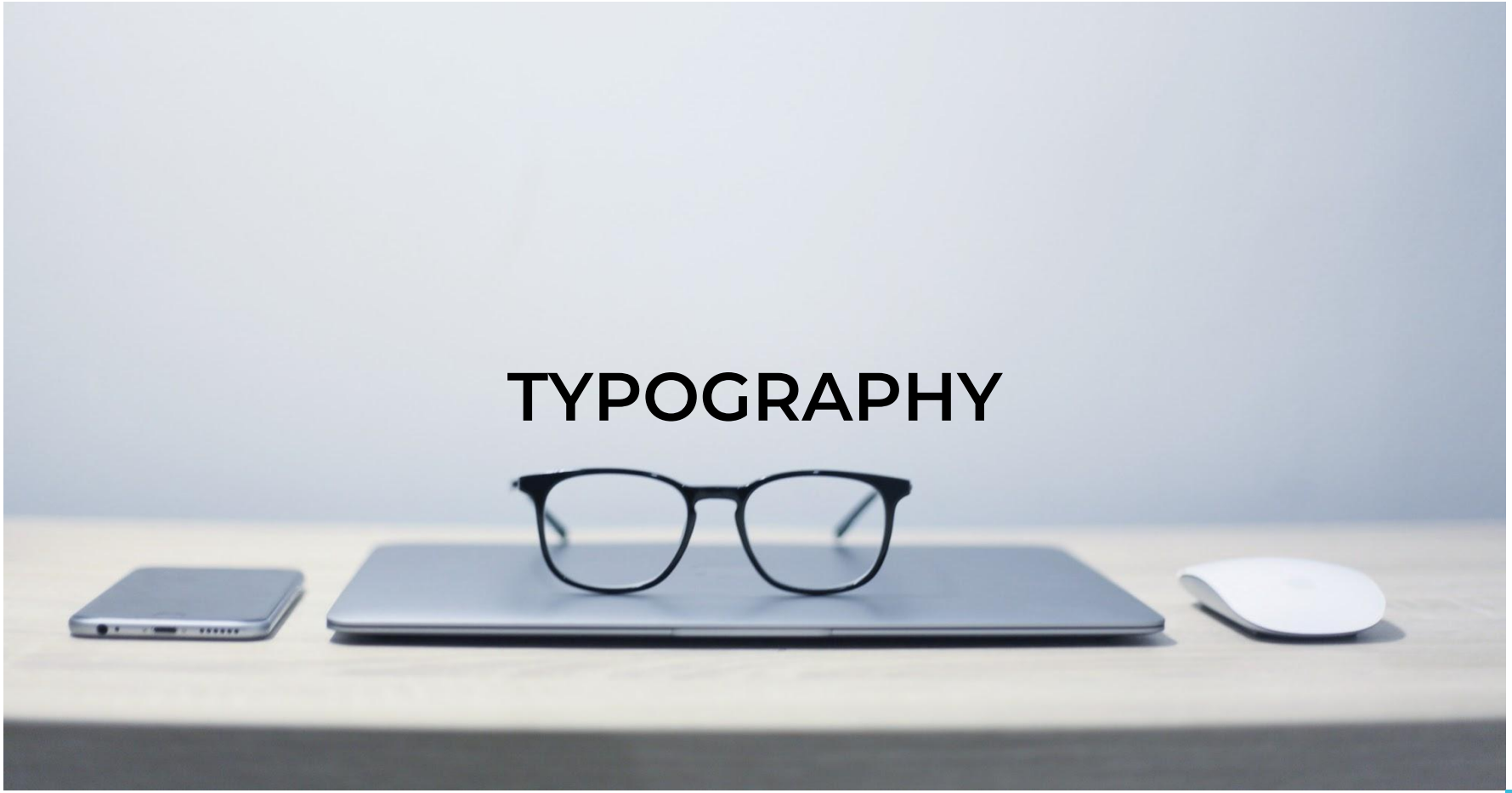
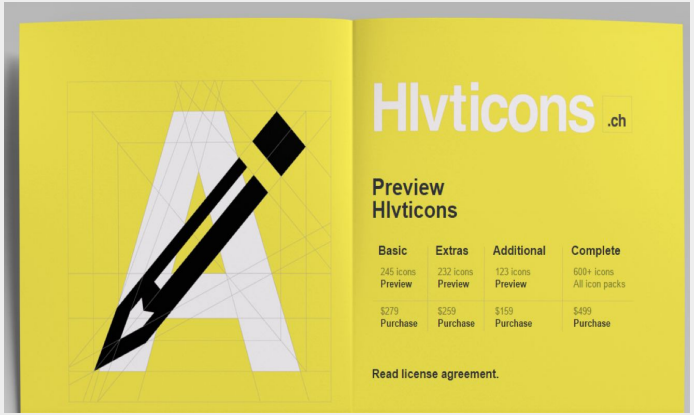

TYPOGRAPHY

Typography is Huge!

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



Typographic Properties

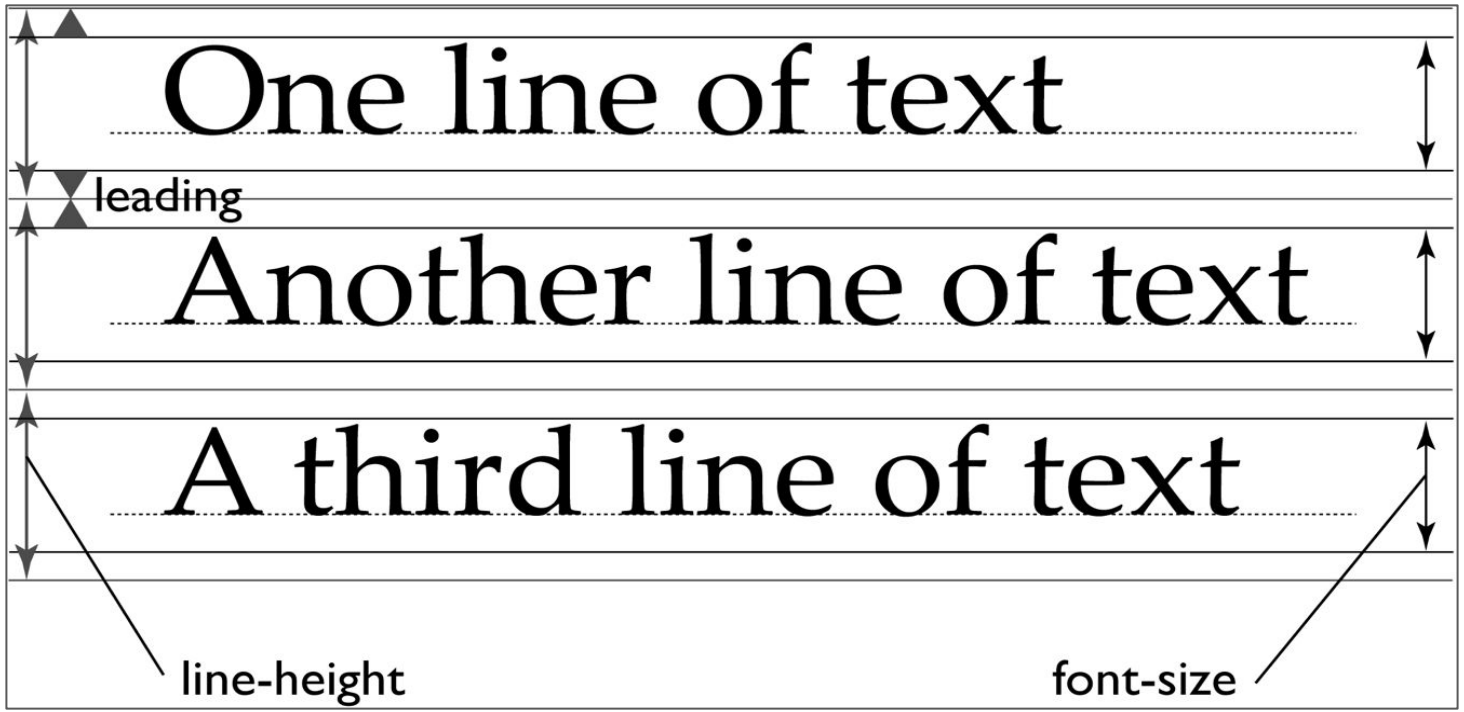
Line Height
Distance between lines of text on a page (Golden Ratio of 1.5x font).

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.


One line of text
leading
Another line of text
A third line of text
line-height
font-size

PARTNER DO
CSS Typography

INSTRUCTOR DO

Google Fonts

PARTNER DO

Google Fonts

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CSS PSEUDO CLASSES

Pseudo Classes

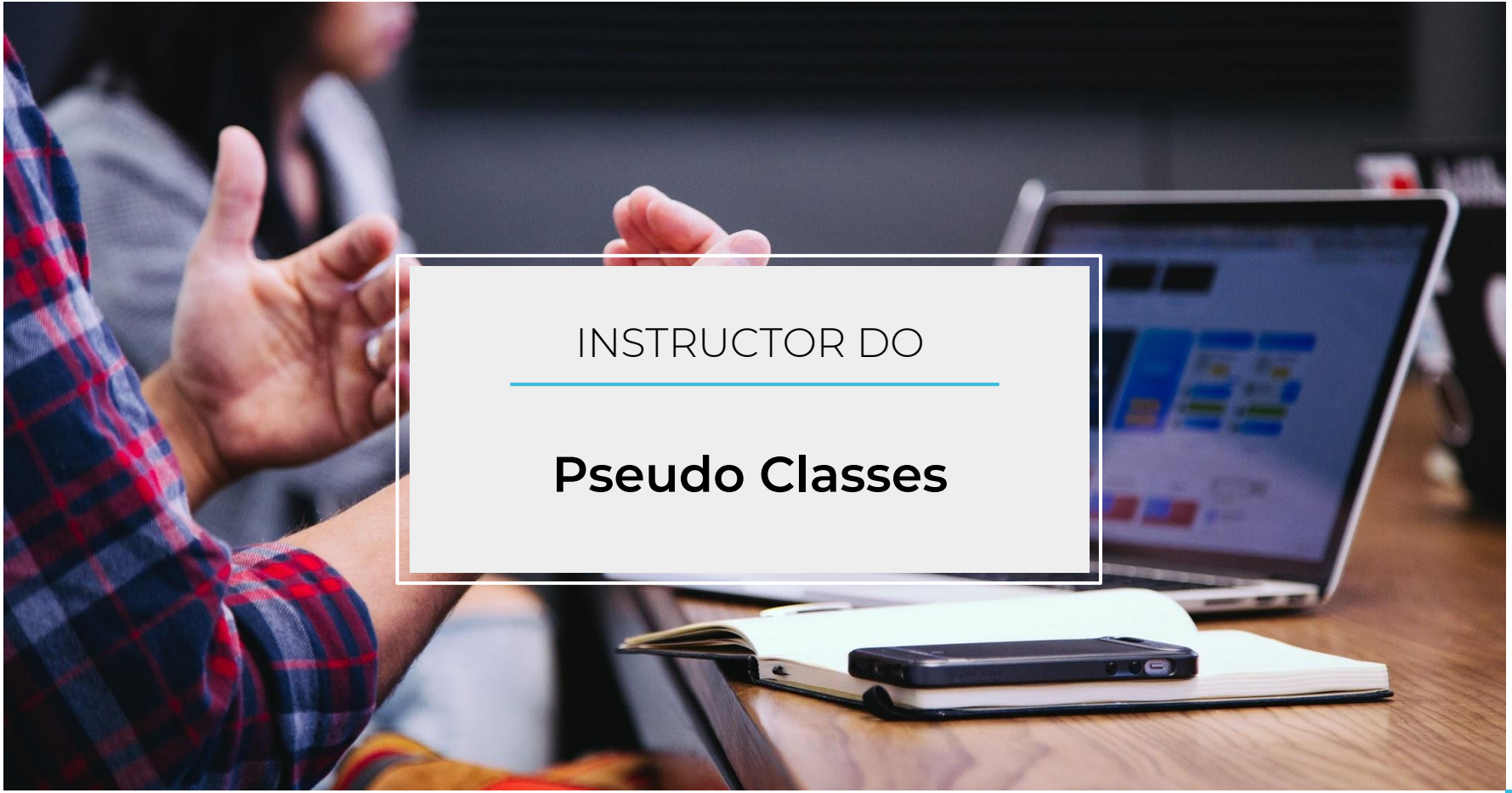
CSS has keywords that can be added to selectors. These highlight the **special states** of the selected element.

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



INSTRUCTOR DO

Pseudo Classes

PARTNER DO
Pseudo Classes

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Intro to Bootstrap

INSTRUCTOR DO

Where’s The CSS?

EXTERNAL CSS LINK

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

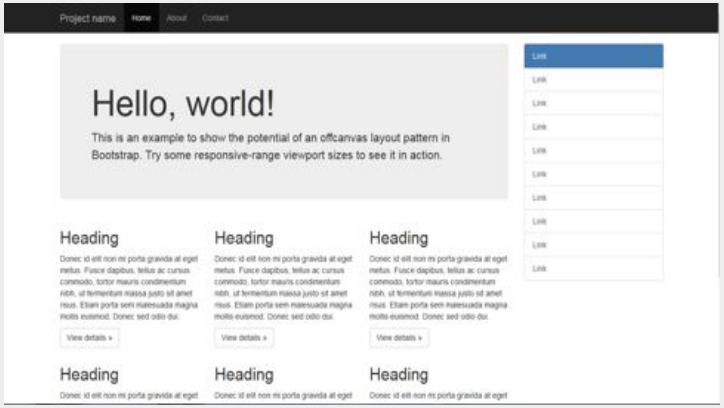
PRE-DEFINED CSS CLASSES

```
<!-- Jumbotron element -->
<div class="jumbotron">

    <!-- centered text -->
    <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>

</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/

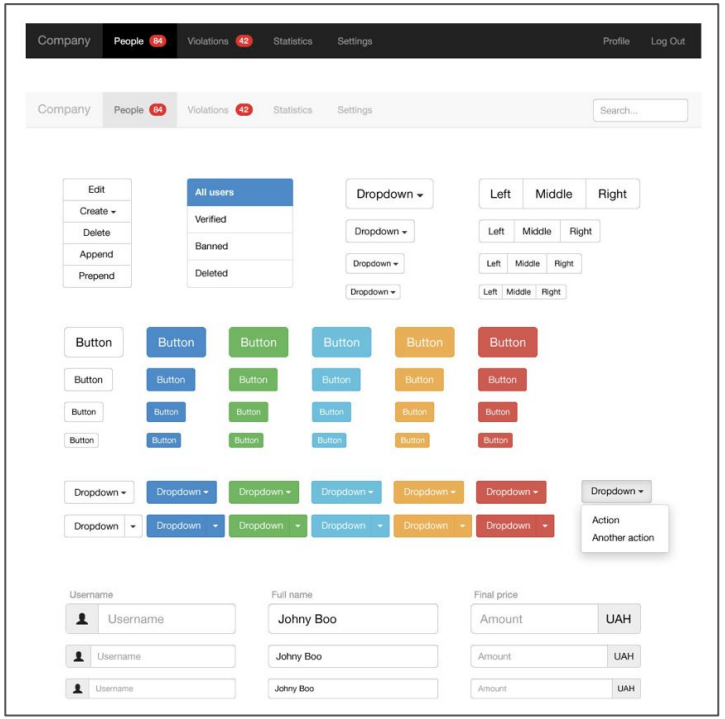


WHY BOOTSTRAP?

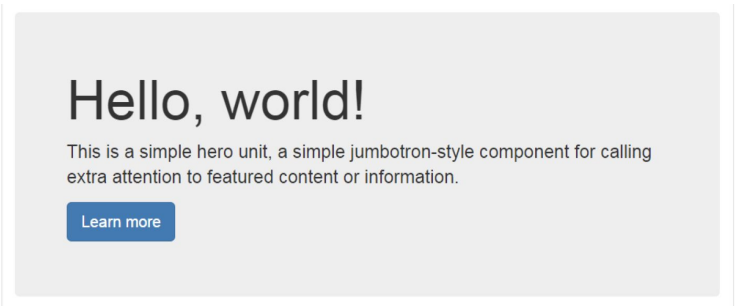
It’s a UI Kit

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




```
<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

```
<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

INSTRUCTOR DO

Bootstrap Components

PARTNER DO
Bootstrap Components

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