

HTML & CSS

Reference Document

CODE STRUCTURE & ELEMENTS

- HTML elements
 - http://www.w3schools.com/tags/ref_byfunc.asp
- CSS elements
 - Controls the layout and appearance of HTML elements
 - <http://www.w3schools.com/cssref/>
 - Selector
 - Specifies which HTML selector to style
 - Defined by a property and its corresponding pair
 - Color
 - Name
 - RGB - 0:255
 - Hex: 00:ff
 - Font family
 - Arial, Helvetica, sans-serif;
 - "Times New Roman", Times, serif;
 - "Courier New", Courier, monospace;
 - Font size
 - pixels
 - ems
 - rems
 - Rules
 - Define design of an HTML element
 - Imagine a box around the element to define rules for it
 - Background color
 - Hex number e.g. background-color: #cccccc;
 - Background image
 - background-image: url("https://goo.gl/04j7Nn");
 - Border
 - Border width, border style, border color
 - border: 3px solid #cc0000;

- Padding
 - Creates space between content and border of element
 - Uniform padding around element
 - padding: 23px; -
 - Custom padding around element
 - padding-top
 - padding - right
 - padding - bottom
 - padding - left
 - E.g.
 - padding-top: 10px;
 - padding-bottom: 23px;
- Margin
 - Creates space for multiple html elements
 - Imaginary space around border of an element
 - Uniform margin
 - margin: 14px;
 - Custom margin
 - margin - top
 - margin - bottom
 - margin - left
 - margin - right
 - Centering an element
 - margin-right: auto
 - margin-left: auto
- Defining CSS file for web browser
 - <link href = "cssFile.css" rel="typeOfStylingUsed"
 - Example
 - Specify location of custom font style,
 - <link href="http://s3.amazonaws.com/codecademy-content/courses/tp/css/shift.css" rel="stylesheet">
 - Specify CSS file to style html elements
 - <link href="main.css" rel="stylesheet">
- Lists editing
 - Block vs Inline
 - Block
 - Orders lists as rectangular layout configuration
 - Inline
 - Orders lists as a linear layout configuration
 - Example


```
.nav li {
  display: inline;
}
```

- Element positioning
 - Adjust the physical position of the HTML element from where it would have normally been.
 - If defined within a class, will move all elements within that class.
 - Example
 - position: relative
 - Position needs to be set to relative
 - top:
 - left:
 - bottom:
 - Right:
 - Float
 - Move an element to its furthest position left or right
 - Float: right/left
 - Clear: both
 - turns off float property

BOOTSTRAP

<http://getbootstrap.com/css/>

["http://s3.amazonaws.com/codecademy-content/courses/tp/css/bootstrap.css"](http://s3.amazonaws.com/codecademy-content/courses/tp/css/bootstrap.css)

Use of bootstrap CSS properties

- Link bootstrap file to html page
- Order of linking,
 - Special font
 - CSS Bootstrap.css file
 - Main.css file
 - Example

<head>

<link href="<http://s3.amazonaws.com/codecademy-content/courses/tp/css/shift.css>" rel="stylesheet">

<link rel="stylesheet" href="<http://s3.amazonaws.com/codecademy-content/courses/tp/css/bootstrap.css>">

<link rel="stylesheet" href="main.css">

</head>

- Explanation
 1. The browser first sees shift.css, and makes the Shift font available to use in the page
 2. Next the browser sees bootstrap.css, and applies those styles to the page.

3. Then the browser sees main.css, and applies those custom styles to the page. The custom styles override the Bootstrap styles.

- The order of the CSS files tell the browser that your styles in main.css are more important than the styles in bootstrap.css, so the final page that loads is the customized web page.

- Columns Spacing

- 12 equally sized columns used to align HTML elements by specifying the number of columns to span
 - Span defines the how long each HTML elements should by specifying the column class.
 - The columns are wrapped in a row class to create a horizontal group of elements.
 - Summation of column numbers should add up to 12 to define row spacing
- - Example

```
<div class="row">
  <div class="col-md-6">
    <h4>Content 2</h4>
  </div>
</div>
```

- Tabbing

- Converting a list into file tabs
- Example: ul class defined to "nav nav-tabs"

```
<ul class="nav nav-tabs">
  <li><a href="#">Primary</a></li>
  <li class="active"><a href="#">Social</a></li>
  <li><a href="#">Promotions</a></li>
  <li><a href="#">Updates</a></li>
</ul>
```

- Open tab specified by <class="active">

- Pilling

- Creating a pill shaped filled border around and HTML element.
- Example

```
<ul class="nav nav-pills">
  <li><a href="#">Primary</a></li>
  <li class="active"><a href="#">Social</a></li>
  <li><a href="#">Promotions</a></li>
  <li><a href="#">Updates</a></li>
</ul>
```


- Jumbotron
 - A bootstrap used to place attention to a specific area or part of the website
 - Example

```
<div class="jumbotron">
```

```
  <h1>Find a place to stay.</h1>
```

```
  <p>Rent from people in over 34,000 cities and 192 countries.</p>
```

```
</div>
```

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SAMPLE CODE - AIRBNB

```
<!DOCTYPE html>
<html>
  <head>
    <link href="http://s3.amazonaws.com/codecademy-content/courses/ltp/css/shift.css"
rel="stylesheet">
    <link rel="stylesheet" href="main.css">
  </head>

  <body>
    <div class="nav">
      <div class="container">
        <ul>
          <li><a href="#">Airbnb logo</a></li>
          <li><a href="#">Browse</a></li>
        </ul>
        <ul>
          <li><a href="#">Sign Up</a></li>
          <li><a href="#">Log In</a></li>
          <li><a href="#">Help</a></li>
        </ul>
      </div>
    </div>

    <div class="jumbotron">
      <div class="container">
        <h1>Find a place to stay.</h1>
        <p>Rent from people in over 34,000 cities and 192 countries.</p>
      </div>
    </div>

    <div class="learn-more">
      <div>
        <div>
          <div>
            <h3>Travel</h3>
            <p>From apartments and rooms to treehouses and boats: stay in
unique spaces in 192 countries.</p>
            <p><a href="#">See how to travel on Airbnb</a></p>
          </div>
          <div>
            <h3>Host</h3>
            <p>Renting out your unused space could pay your bills or fund your
next vacation.</p>
            <p><a href="#">Learn more about hosting</a></p>
          </div>
        </div>
      </div>
    </div>
  </body>
</html>
```

</div>

<div>

<h3>Trust and Safety</h3>

<p>From Verified ID to our worldwide customer support team,
we've got your back.</p>

<p>Learn about trust at Airbnb</p>

</div>

</div>

</div>

</div>

</body>

</html>