CSS Lecture 3

Code Girls 2020-21

Outline

- Navigation Bars

- Drop Downs

- Image Galleries

- Image Sprites

- Attribute Selectors

- Forms

- Counters

- Website Layout

- Grids

IN SUMMARY:

We are making things pretty!

Navigation Bars

- Navigation Bars = List of Links

    - Needs HTML as a base

- What elements do you think we would use in HTMl to create a list?

Navigation Bars

- Navigation Bars = List of Links

  - Needs HTML as a base

- What elements do you think we would use in HTMl to create a list?

  - and

```html
<ul>
   <li><a href="https://codegirls.mbhs.edu/index.html">Home</a></li>
   <li><a href="https://codegirls.mbhs.edu/about.html">About</a></li>
   <li><a href="https://codegirls.mbhs.edu/resources.html">Resources</a></li>
   <li><a href="https://codegirls.mbhs.edu/logistics.html">Competition Logistics</a></li>
</ul>
```

Navigation Bars

- Now let's remove the bullets, margins, and padding
- This requires CSS code

```css
ul {
 list-style-type: none;
 margin: 0;
 padding: 0;
 width: 80px;
 border: 1px solid #555;
}
```

Vertical Navigation Bars

- From this point you have two options
  - Vertical
  - Horizontal
- Let's add color

```
li a {
  display: block;
  width: 80px;
  background-color: #f7c8f4;
  text-align: center;
  border-bottom: 1px solid #555;}

li a:hover {
  background-color: rgb(191, 245, 240);
  color: white; }

li a.active {
  background-color: #4CAF50;
  color: white; }
```

Vertical Navigation Bars

Making a vertical bar sticky

```
<ul>

height: 100%; /* Full height */

position: fixed; /* Make it stick, even on scroll */

overflow: auto; /* Enable scrolling if the sidenav has too much content */
```

Let's look at Horizontal Navigation Bars

- Float - Another way of creating a horizontal navigation bar is to float the <li> elements, and specify a layout for the navigation links:
- Borders:
  - ```
    li {
    ```
  - ```
      border-right: 1px solid #bbb;
    ```
  - ```
    }
    ```
- Sticky
  - ```
    ul {
    ```
  - ```
      position: fixed;
    ```
  - ```
      top: 0;
    ```
  - ```
      width: 100%;
    ```
  - ```
    }
    ```

Dropdowns and Galleries

- Let's look at this code!
- https://www.w3schools.com/css/tryit.asp?filename=trycss_dropdown_text
- https://www.w3schools.com/css/tryit.asp?filename=trycss_dropdown_button
- https://www.w3schools.com/css/tryit.asp?filename=trycss_dropdown_navbar
- https://www.w3schools.com/css/tryit.asp?filename=trycss_dropdown_image
- https://www.w3schools.com/css/tryit.asp?filename=trycss_image_gallery
-

Image Sprites

- An image sprite is a collection of images put into a single image.
- A web page with many images can take a long time to load and generates multiple server requests.
- Using image sprites will reduce the number of server requests and save bandwidth.
- https://www.w3schools.com/css/tryit.asp?filename=trycss_sprites_img

Image Sprites and Attribute Selectors

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- An [attribute] selector is used to select elements with a specified attribute
- https://www.w3schools.com/css/tryit.asp?filename=trycss_sel_attribute_value
- https://www.w3schools.com/css/tryit.asp?filename=trycss_sel_attribute_value2

Forms: Now vs. Then

- https://repl.it/@CodeGirls1/HTML-3-Sample#index.html
- https://www.w3schools.com/css/tryit.asp?filename=trycss_forms

Wrapping up: Website Layout

- https://www.w3schools.com/css/css_website_layout.asp