selector

↓ ↙ declaration block
p {
   font-size: 16pt;
}
   ↑   ↑
property value

CSS Terminology

- specificity - the more specific the selector it is, the more likely it is to "win" against other selectors
- responsive design - react to the size of the browser.

Selector What "aims" a CSS rule

Specificity The more specific the selector it is, the more likely it is to win against other selectors targeting the same element

Responsive design Making your design look good on mobile *and* desktop

Media queries If statements for CSS, apply CSS to browser sizes.

DOM Tree Terminology

- Parent: `<div class="Main">`

  - Sibling: `<div>Sib</div>`
  - **Element:** `<div>`

    * Child: `<p>a</p>`
    * Child: `<hr />`
    * Child: `<p>b</p>`
      `</div>`

  - Sibling: `<img src="s.png"/>`
    `</div>`

CSS Variables

```
:root {           /* Definition */
  --bg: #FEAAFE;
  --gap: 20px;
}
.MainContent { /* Use */
  background: var(--bg);
  margin: calc(var(--gap) + 5px);
}
```

BEM (Block Element Modifier)

Block Element Modifier is a naming convention for CSS.

Block is a standalone entity that is meaningful on its own.

Element is a part of a block that has no standalone meaning.

Use one dash and camel-case: `ComponentName-descendentName`.

Block Standalone entity meaningful on its own. Use camel-case: `ComponentName`.

Element A single part of a block that has no standalone meaning. Use a dash: `ComponentName-descendentName`.

Modifier A variant of a block (or element). Use two dashes: `ComponentName--modifier`.

```
.SubmitButton { background: orange; }
.SubmitButton-icon { width: 12px; }
.SubmitButton--disabled { background: gray; }
```

```
<div class="SubmitButton--disabled">
    <img src="ok.png"
        class="SubmitButton--icon" />
    Submit
</div>
```

Grid & Flex Styling

Grid 2x3

Building a 2x3 grid, 50px fixed top row, and 100px right and left column with middle column filling remaining space.

```
Container {
  display: grid;
  grid-template-rows: 50px 1fr;
  grid-template-columns: 100px 1fr 100
}
```

JavaScript

```javascript
alert("hi");        // pop-up
console.log("hi"); // dev console
```