CS1115/CS5002

Web Development 1

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CSS selectors

- Revision:
- o A CSS stylesheet contains zero, one or more rules
 - o A **rule** comprises:
- one or more selectors and
- a block of zero, one or more declarations in curly braces
- We'll split the selectors into
- o find selectors (which we cover in detail)
- o filter selectors (which we will mention briefly)

CSS: selectors that find elements

*	Matches all elements
ш	Matches all elements with tag name E
I#	Matches the element with 1d of I
ပ	Matches all elements with class of C
Д Т	Matches all F elements that are children of E elements
П	Matches all F elements that are descendants of E elements
н +	Matches all Felements that are immediately preceded by sibling
ш ≀	E ~ F Matches all F elements preceded by sibling Ε

The universal selector

The universal selector * selects all elements:

```
color: red;
```

 More common (but not always identical) is to apply properties to the <body> element:

```
body {
    color: red;
}
```

Type selectors

A selector can be a tag:

```
color : red;
```

We can have more than one selector, separated by

h1, p, footer { color: red; commas:

Id selectors

In CSS, you can use # to select by id:

#ingredients {
 color: red;

The class attribute in HTML

In HTML, class is a global attribute

• You can invent its value. Several elements can share the same value, e.g.:

Class selectors

In CSS, you can use . to select by class:

.cocktail {
 color: red;

Child and descendant selectors

To select 'a' elements that are children of lis:

To select 'a' elements that are descendants of nav

```
elements:
nav a {
    color: red;
}
```

Class exercise

 • What's the difference between these two rules?
section o1, u1 {
 color: red;
}
section o1, section u1
{
 color: red;
}

- How would you select only <h1>Ingredients</h1>?
- How would you select only the ingredient 11's?

Observation

 Use child and descendant selectors to avoid the novice's disease of *class-itis* (and *id-itis*)

Sibling selectors

Based on immediately preceding sibling

```
    O To select a p whose immediately preceding sibling is an h1:

            h1 + p {
            color: red;
            }

    O To select an l1 whose immediately preceding sibling is another l1:

            11 + 11 {
            color: red;
```

Based on any preceding sibling

Class exercise: what do these select?