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CSCI-UA-4-005
Intro to Web Design + Computer Principles

CSS – Day 2

Professor Emily Zhao
M/W 12:30PM – 1:45PM

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Agenda

— **Finish NYC Website CSS**
  — Background Image
  — IDs vs Classes
  — Import fonts
  — Flexbox
  — CSS Selectors
— **Assignment #3 Workshop**

NYC Website Demo

CSS Rule Set

Selector
Indicates which HTML element will be formatted

Property/Value pair(s)
Specifies formatting to apply

Style rules are separated by a semicolon

```css
h1 {
  color: red;
  text-align: center;
}
```

Cascade

The principle of the "cascade" is applied when style rules are in conflict

Three primary factors determine which style rule wins out:

— Inheritance
— Specificity
— Location

Units of Length

There are two types of length units in CSS: **relative** and **absolute**.

Relative units of length include:
— em (relative to font size)
— % (relative to the containing element)

Absolute units of length include:
— px (pixels)

Alternatively specifications:
— auto (browser calculates length)
— inherit (from the parent element)

ids

— An attribute used to uniquely identify a specific HTML element within a webpage
— Selected using a # followed by the id name.
— Only ONE instance of a id can be used on a HTML page

HTML

```
<h1 id="title">

    ...

</h1>
```

CSS

```
#title {
  color: yellow;
}
```

classes

— An attribute used to uniquely
identify a specific HTML
element within a webpage

— Selected using a . followed by
the class name.

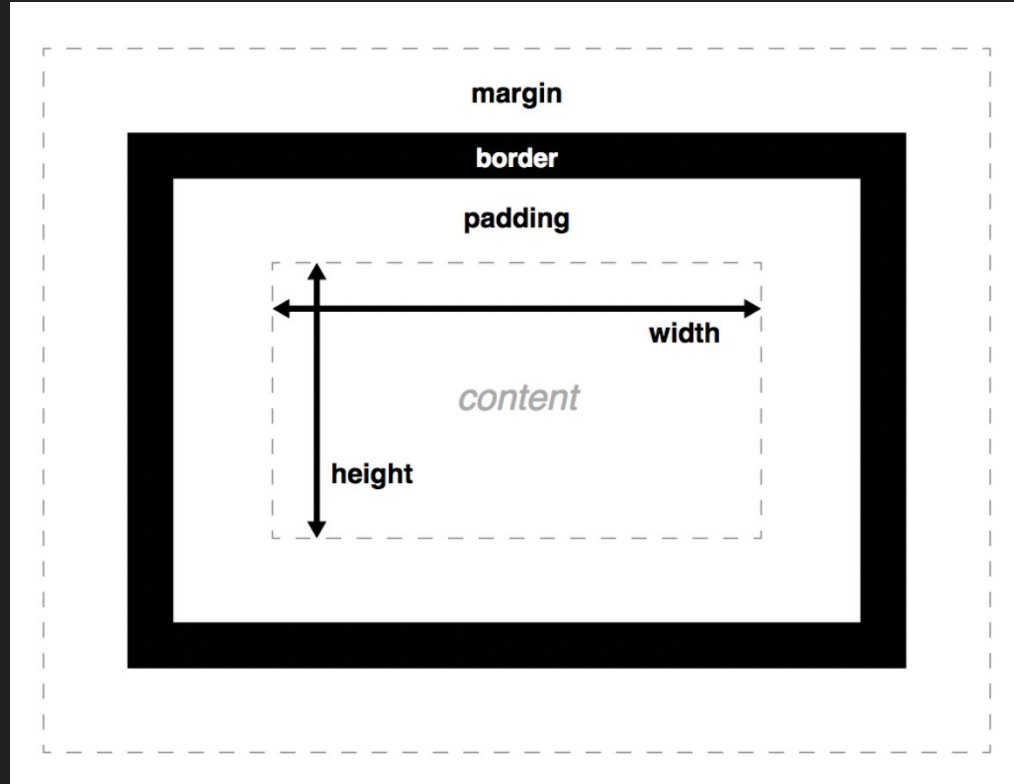— Several instances of a style
can be used on a HTML page

HTML

```html
<article class="blog-post">

    ...

</article>
```
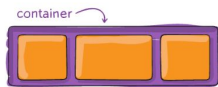
CSS

```css
.blog-post {
  background: yellow;
}
```

Box Model

CSS Flexbox

A Complete Guide to Flexbox

Our comprehensive guide to CSS flexbox layout. This complete guide explains everything about flexbox, focusing on all the different possible properties for the parent element (the flex container) and the child elements (the flex items). It also includes history, demos, patterns, and a browser support chart.

▾ Flexbox properties

container

items

Properties for the Parent (flex container)

Properties for the Children (flex items)

display

This defines a flex container; inline or block depending on the given value. It enables a flex context for all its direct children.
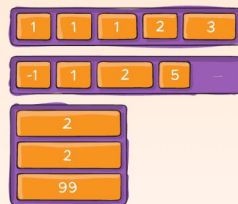
```css
.container {
  display: flex; /* or inline-flex */
}
```

Note that CSS columns have no effect on a flex

order

1 1 1 2 3

-1 1 2 5

2

2

99

CSS Diner