

Cubstart Web

Mini-Lecture 4: CSS

Quick Review!

CSS = Cascading Style Sheets



- **Purpose:** Determines the style and presentation of your website
- **Includes:** font, colors, size, spacing, etc

Linking to a Stylesheet:

```
<!DOCTYPE html>

<html>

  <head>

    <title>NAME OF WEBSITE</title>

    <link rel="shortcut icon" type="img/png" href="favicon.png">

    <link rel="stylesheet" href="./style.css">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

  </head>

  <body>

    <h1> This is a header. </h1>

  </body>

</html>
```

CSS Selectors, Properties, and Values



- **Selector's Purpose:** used to "select" the HTML elements you want to style
- **You can select by:** tag, class, ID, pseudo class, etc

Conflicting Rules

HTML
file:

```
<p id="special">  
    This is a paragraph!  
</p>
```

CSS
file:

```
#special {  
    color: blue;  
}  
  
p {  
    color: gray;  
}
```

An element may have conflicting style rules! How does the browser determine what rule to apply?

1. Specificity
2. Source order

* [The specifics](#) are a lot more complicated, but this the gist

Review Question

```
p {  
  color: red;  
  font-size: 20px;  
  text-align: center;  
}
```

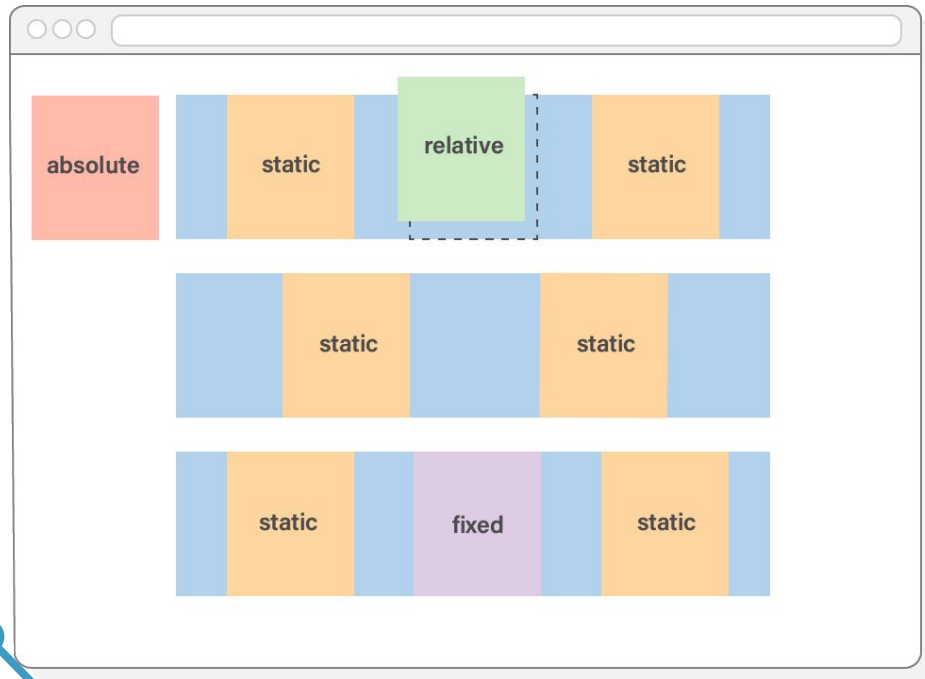
Describe what this declaration “says”.

What is the selector?

What are the properties?

Positioning

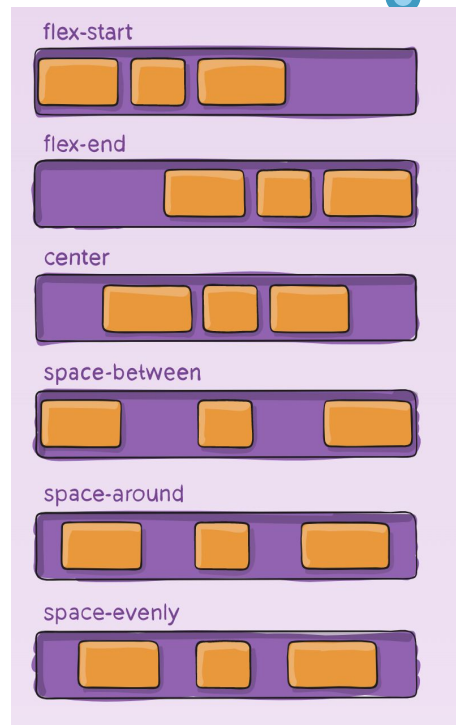
Positioning



- **static:** default original position
- **relative:** relative to initial position
- **absolute:** relative to nearest positioned ancestor
- **fixed:** relative to “viewport” (window)

Flexbox

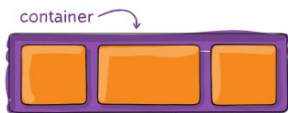
- CSS Property `display: flex;`
 - Defines a flex container
 - Enables a flex context for all its direct children
 - By default, flex items are laid out in the source order
- `flex-direction: column;`
 - Default direction is a row (left to right)
- `justify-content: *;`
 - See the picture!
- For more: <https://flexboxfroggy.com/>



Let's code!

Awesome Flexbox Reference

▼ Flexbox properties



Properties for the Parent (flex container)

display

This defines a flex container; inline or block depending on the given value. It enables a flex context for all its direct children.

```
.container {  
  display: flex; /* or inline-flex */  
}
```



Properties for the Children (flex items)

order



* COOKIE PREF

<https://css-tricks.com/snippets/css/a-guide-to-flexbox/>

Learn Flexbox w/ a Game

FLEXBOX FROGGY

Level 1 of 24

Welcome to Flexbox Froggy, a game where you help Froggy and friends by writing CSS code! Guide this frog to the lilypad on the right by using the `justify-content` property, which aligns items horizontally and accepts the following values:



- `flex-start`: Items align to the left side of the container.
- `flex-end`: Items align to the right side of the container.
- `center`: Items align at the center of the container.
- `space-between`: Items display with equal spacing between them.
- `space-around`: Items display with equal spacing around them.

For example, `justify-content: flex-end;` will move the frog to the right.

```
1 #pond {
2   display: flex;
3
4 }
5
6
7
8
9
10
```

Next

Flexbox Froggy is created by [Codecademy](#) • [GitHub](#) • [Twitter](#) • [Settings](#)



<https://flexboxfroggy.com/>

Exercise:

Choose Your Superhero

Choose Your Favorite Character

The Flash



Choose Flash

Superman



Choose Superman

Identify the Layout:

Identify potential **div** elements that will help you to **separate** & **position** the content
Also look for **margin** & **padding** properties

Choose Your Favorite Character

The Flash



Choose Flash

Superman



Choose Superman

CSS Text-Align Properties

The `text-align` property specifies the horizontal alignment of text relatively to its parent element

```
text-align: left;
```

Hello World

```
text-align: center;
```

Hello World

```
text-align: right;
```

Hello World

Flex-Wrap Property

Maximises the responsiveness of your web page by adjusting the position of the content for smaller screens

flex-wrap: wrap; or **flex-wrap: wrap-reverse;**

Choose Your Favorite Superhero

The Flash

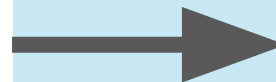


Choose Flash

Superman



Choose Superman



Choose Your Favorite Superhero

The Flash



Choose Flash

Superman



Choose Superman

Secret word: flexy

<https://forms.gle/VZZYR7R9nCQySgAP9>

