

A top-down photograph of a dark-stained wooden desk. In the upper-left corner, a portion of a silver laptop is visible. Next to it is a small white ceramic plate with a single chocolate chip cookie. A small nut lies on the desk surface near the plate. The word "OBJECTIVES" is printed in large, white, sans-serif capital letters in the lower-left area of the image.

OBJECTIVES

By the end of this class, you will be able to:

- ☐ Articulate the basic rules of CSS specificity.
- ☐ Use relative paths to link to css files in complex directory structures.
- ☐ Use the CSS properties associated with the box model to more accurately style your webpages.
- ☐ Use the CSS float property to position elements.

CSS CONTINUED





PARTNER DO

CSS Continued

The background image shows a person in a red and blue plaid shirt gesturing with their hands in a classroom setting. A laptop is open on a wooden desk, displaying a webpage with blue and red elements. A smartphone is lying on an open notebook in the foreground. The scene is dimly lit, with the focus on the person and the desk.

INSTRUCTOR DO

CSS Combinators

CSS COMBINATORS

space - descendant selector

> - child selector

+ - adjacent sibling selector

~ - general sibling selector

, - group selector

A woman and a man are looking at a laptop screen in a coding environment. The woman is pointing at the screen, and the man is looking at it. The background shows other people working at desks with laptops.

PARTNER DO

CSS Combinator

A top-down photograph of a dark-stained wooden desk. In the upper-left corner, a portion of a silver laptop is visible. To its right, a small white ceramic plate holds a single chocolate chip cookie, with a few crumbs scattered nearby. The wood grain of the desk is prominent and runs horizontally.

OBJECTIVES

By the end of this class, you will be able to:



Articulate the basic rules of CSS specificity.



Use relative paths to link to css files in complex directory structures.



Use the CSS properties associated with the box model to more accurately style your webpages.



Use the CSS `float` property to position elements.

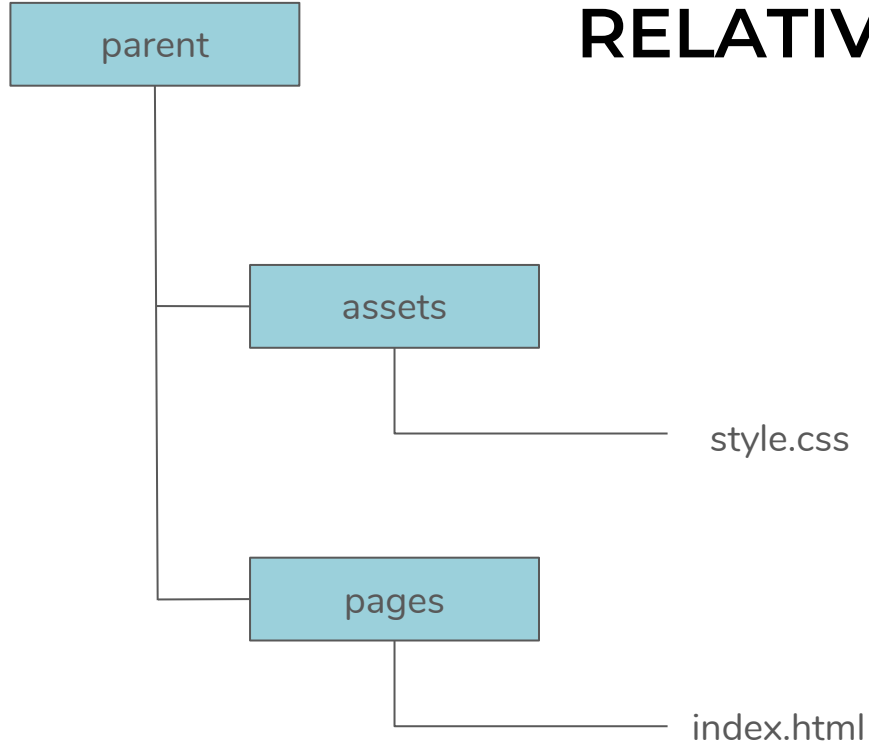
RELATIVE FILE PATHS



RELATIVE FILE PATHS

Relative file paths connects a file with other files in its working directory.

RELATIVE FILE PATHS



```
<link href="../assets/style.css">
```

A woman and a man are looking at a laptop screen in a coding environment. The woman is pointing at the screen with her right hand. The man is wearing glasses and looking at the screen. The background shows other people working at desks with laptops.

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Relative File Paths

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OBJECTIVES

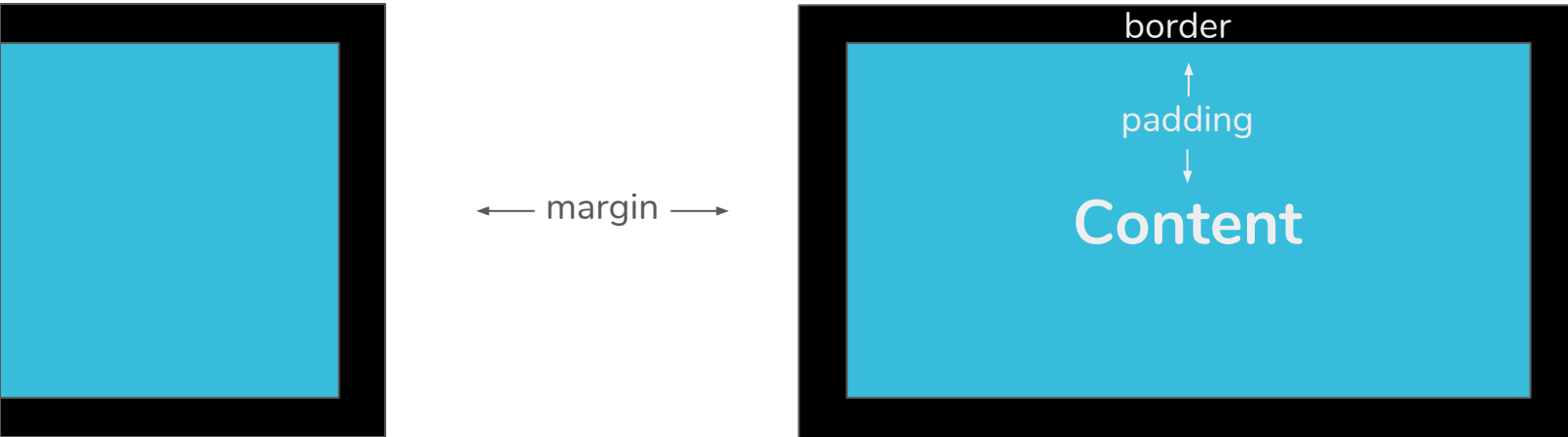
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BOX MODEL



BOX MODEL



A photograph of a group of people sitting around a wooden table in a cafe or office setting, working on laptops. The scene is dimly lit with warm tones. A white rectangular box with a thin blue border is centered over the image, containing the text 'WE DO' and 'Box Model'.

WE DO

Box Model

```
#box {  
  
    background-color: #1E5792;  
    width: 400px;  
    height: 440px;  
    margin: 10px 30px 20px 50px;  
    color: #fff;  
    padding: 25px 10px 30px 20px;  
    border-style: solid;  
    border-width: 22px;  
    border-color: #113152;  
  
}
```

How wide is the blue #box?

How tall is the blue #box?

Total element width = content width + left padding + right padding + left border + right border + left margin + right margin

Total element height = content height + top padding + bottom padding + top border + bottom border + top margin + bottom margin


```
#box {  
  
    background-color: #1E5792;  
    width: 400px;  
    height: 440px;  
    margin: 10px 30px 20px 50px;  
    color: #fff;  
    padding: 25px 10px 30px 20px;  
    border-style: solid;  
    border-width: 22px;  
    border-color: #113152;  
  
}
```

How wide is the blue #box?

How tall is the blue #box?

Total element width = content width + left padding + right padding + left border + right border + left margin + right margin

Total element height = content height + top padding + bottom padding + top border + bottom border + top margin + bottom margin

Answer

Width: 474 px (no margin), 554 px (with margin)

Height: 539 px (no margin), 569 px (with margin)

A woman and a man are looking at a laptop screen in a classroom setting. The woman is pointing at the screen with her right hand. The laptop screen displays a code editor with various lines of code. The background shows other students at their desks, some working on laptops. The overall scene is a collaborative learning environment.

PARTNER DO

Box Model

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OBJECTIVES

By the end of this class, you will be able to:

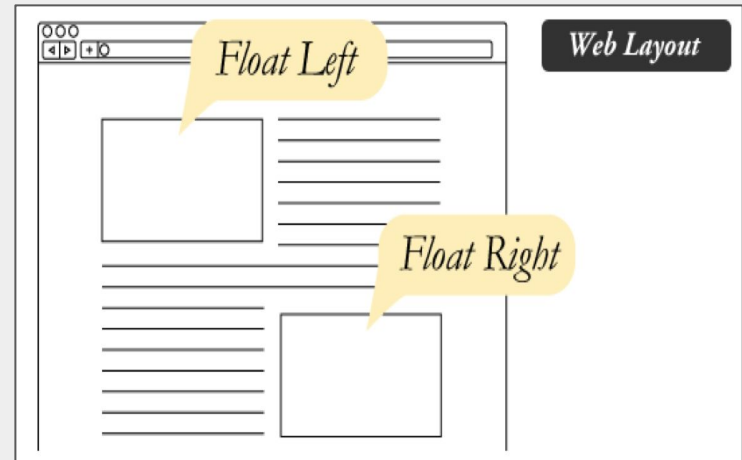
- ☒ Articulate the basic rules of CSS specificity.
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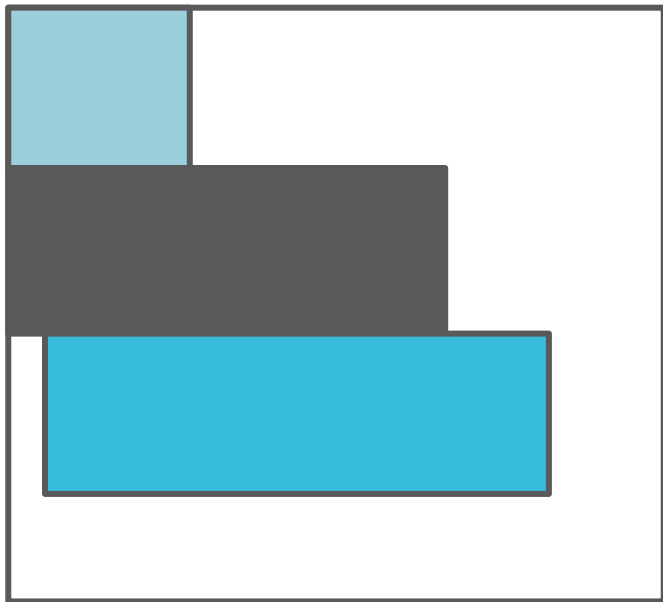
FLOATS



FLOATS

Like Text-Wrap in Microsoft Word...





BLOCK ELEMENTS

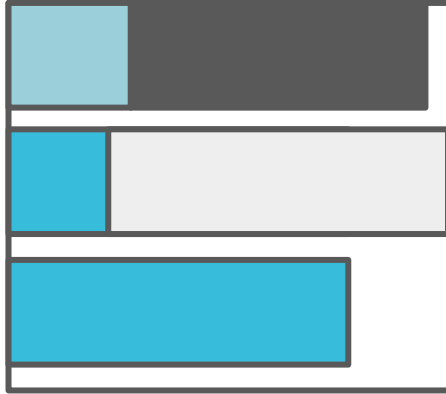
By default, web clients render many HTML elements as block elements. Paragraphs, headers, divs and more receive this treatment.

A block element will take up an entire line of space—unless you intervene with CSS properties

BLOCK



INLINE



Now contrast the block elements with inline elements.

By using float CSS properties, we can command our website to display multiple HTML elements adjacently.

BLOCK VS INLINE

Uh oh... this image is taller than the element containing it and it's floated!



CLEARFIX

Floated elements are taken out of the normal flow of the document. This can lead to some unexpected side effects.

If a floated element overflows its container, the clearfix hack can help.

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PARTNER DO

Floats

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**“Set your goals high, and don't stop ‘til you
get there.”**

Bo Jackson