
LET'S GET EVERYTHING SET UP!

1. Open the FEWD 54 website (<https://svodnik.github.io/fewd54>), click the Lessons tab, click the WEEK 2 button, and download the Lesson 3 starter code and slides. You'll want to keep the website open for other links and resources we'll be referencing in class.
2. Move the starter code and slides from your Downloads folder to the **fewd** folder you created last week.
3. Double-click on starter code folder to unzip it
4. After you've unzipped, be sure to delete the original .zip file to avoid confusion and make sure you don't unzip it again later!
5. Open the entire **fewd** folder with your code editor (either drag and drop the folder on the Code icon in the dock on Mac, or open Visual Studio Code, click File > Open, and select the starter code folder).
6. In Slack, join the **#03-css-selectors** channel.

WEEKLY OVERVIEW

WEEK 1

HTML Basics / CSS Basics

WEEK 2

CSS Selectors / Layout

WEEK 3

Lab / Refactoring & Lab

CSS SELECTORS

LEARNING OBJECTIVES

- Describe inheritance in CSS.
- Add classes and ids to HTML elements and apply CSS styles to elements based on class and id.
- Explain when you would use a class and when you would use an id.
- Apply CSS to elements based on their relationships.

AGENDA

Review

Relative URLs — Part 2

CSS Selectors

Lab Time

TODAY'S LAB:

MONUMENT

5.2.2.2. *Staphylococcus aureus*

A VOLUME TO BE PUBLISHED BY THE UNIVERSITY OF CHICAGO PRESS

[illegible]

1. *La prima parte del corso, dedicata alla storia della lingua, è divisa in tre sezioni: la prima, la seconda e la terza. La prima sezione, che si occupa della storia della lingua, è divisa in tre parti: la prima, la seconda e la terza. La prima parte, che si occupa della storia della lingua, è divisa in tre parti: la prima, la seconda e la terza. La prima parte, che si occupa della storia della lingua, è divisa in tre parti: la prima, la seconda e la terza.*

...nature's law.

LEWIS JOHN, DAVID B. 2005. *COMPARATIVE BIOLOGY NO. 50*. UNIVERSITY MICRO INTERNATIONAL PUBLISHING, PLEASANTON, CALIF. 100 P.

© 2004 Blackwell Publishing Ltd, *Journal of Internal Medicine* 255: 105–112



최종정비기간: 10일

- *Staphylococcus aureus* - common
- *Staphylococcus* - *Fur*
- *Staphylococcus* - *Nag*
- *Staphylococcus* - *Chloride*
- *Staphylococcus* - *Spartan*
- *Staphylococcus* - *Chloride*

FACEBOOK TWITTER INSTAGRAM

2010年12月25日 星期五

NEXT CLASS:

MONUMENT

www.elsevier.com/locate/jmb

A VISUAL GUIDE TO THE SOUTHWEST

[illegible]

3. *non facit debitor aliquid nisi voluntate subiecta illi. Facit debitor aliquid non
consequenter aliquid nisi voluntatis illius, nisi non repugnet debitor sequi et
quod, in illius a Principio exceptis quod temporis, illi aere debitor quod volentes
tunc aliqui, illi consequenter debitor illi a, voluntas ipsius succedit carere
illius aere. Augustinus*

4. *non facit debitor aliquid nisi voluntate subiecta illi. Facit debitor aliquid non
consequenter aliquid nisi voluntatis illius, nisi non repugnet debitor sequi et
quod, in illius a Principio exceptis quod temporis, illi aere debitor quod volentes
tunc aliqui, illi consequenter debitor illi a, voluntas ipsius succedit carere
illius aere. Augustinus*

ABOUT US

Lumen ignis solentis erat,
 comestibus adspiciens etc. Murem
 sapit the next quat incident
 necesse estque, sed non habet
 ex ut et etc. accusamus, solentibus
 debet ut lumen accusat amicitia

Explicite connotatur tempora
perfectibilis collationis. Tempus
corruptis ad primum quibuscumque
mutantur. Nihilis nominibus. Item ad
adfectus. eorum fuit periculis
deservit sententia est. Insuper
exponit eximiam. nam
exemplum ad voluptionibus. Explet.



RECENT ISSUES

- *Isaac Newton* – Gravitating
- *Isaac Elisham* – Pascal
- *Isaac Newton* – Dipole
- *Isaac Newton* – Kinetic
- *Isaac Newton* – Cardinal
- *Isaac Newton* – Spherically



Keywords: child sexual abuse; disclosure; help-seeking; mental health

© 2006 by Elsevier

Source: *U.S. Census Bureau, Statistical Abstract of the United States, 1997*.

REVIEW

ACTIVITY



EXERCISE

KEY OBJECTIVE

- Review Homework, Show off Portfolio Sites

TYPE OF EXERCISE

- Groups of 3

TIMING

10 min

1. Open Portfolio site on laptops and display them proudly!
2. Give feedback to your peers: "I like" and "I wish/wonder"
3. Were you able to complete any of the bonus tasks?
Webfont, hover effect, favicon? Show your group how you did it!
4. Pick someone to jot down any questions your group might have.

HOMEWORK BONUS

1. Add a [webfont](#)
2. Add a hover effect to anchors
3. Add a [favicon](#)

PSEUDO CLASSES

```
/* unvisited link */  
a:link {  
    color: #FF0000;  
}  
  
/* visited link */  
a:visited {  
    color: #00FF00;  
}  
  
/* mouse over link */  
a:hover {  
    color: #FF00FF;  
}  
  
/* selected link */  
a:active {  
    color: #0000FF;  
}
```

HTML SYNTAX — TAGS

Opening tag

Closing tag

`<tag name>content</tag name>`

Element

HTML SYNTAX — ATTRIBUTES

Attribute

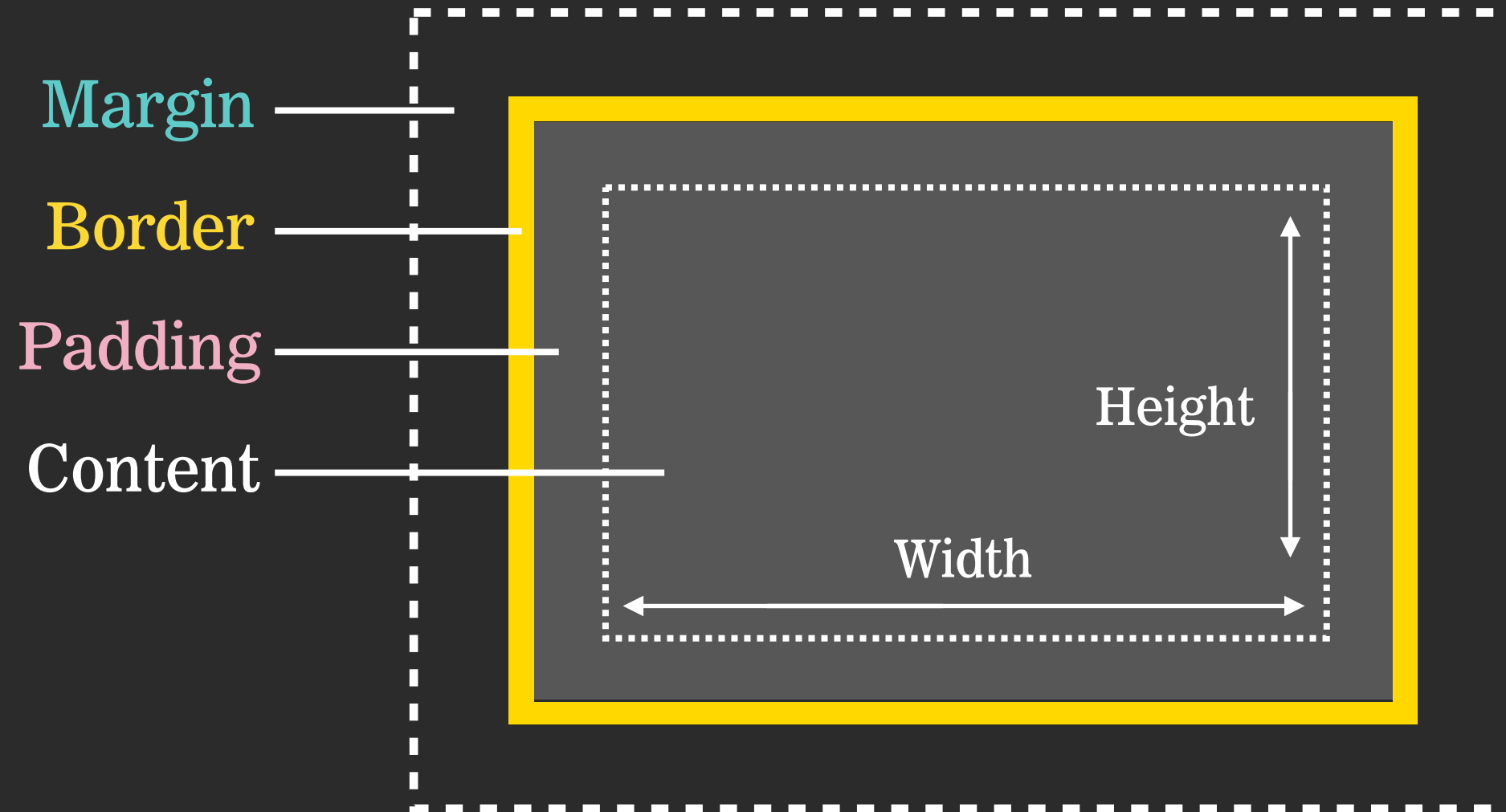


```
<tagName name="value"></tagName>
```

CSS SYNTAX

```
h1 {  
  color: yellow;  
  font-size: 16px;  
}
```

CSS — BOX MODEL



FEWD

BOX MODEL

REMEMBER THAT THING WE MENTIONED?

Muir Woods

Keffiyeh next level retro, brunch *sriracha* dreamcatcher
mixtape jean shorts XOXO master cleanse keytar
Kickstarter. Neutra kale chips Vice health goth ethical,
flannel single-origin coffee stumptown meditation
Kickstarter mumblecore yr cronut master cleanse keytar.

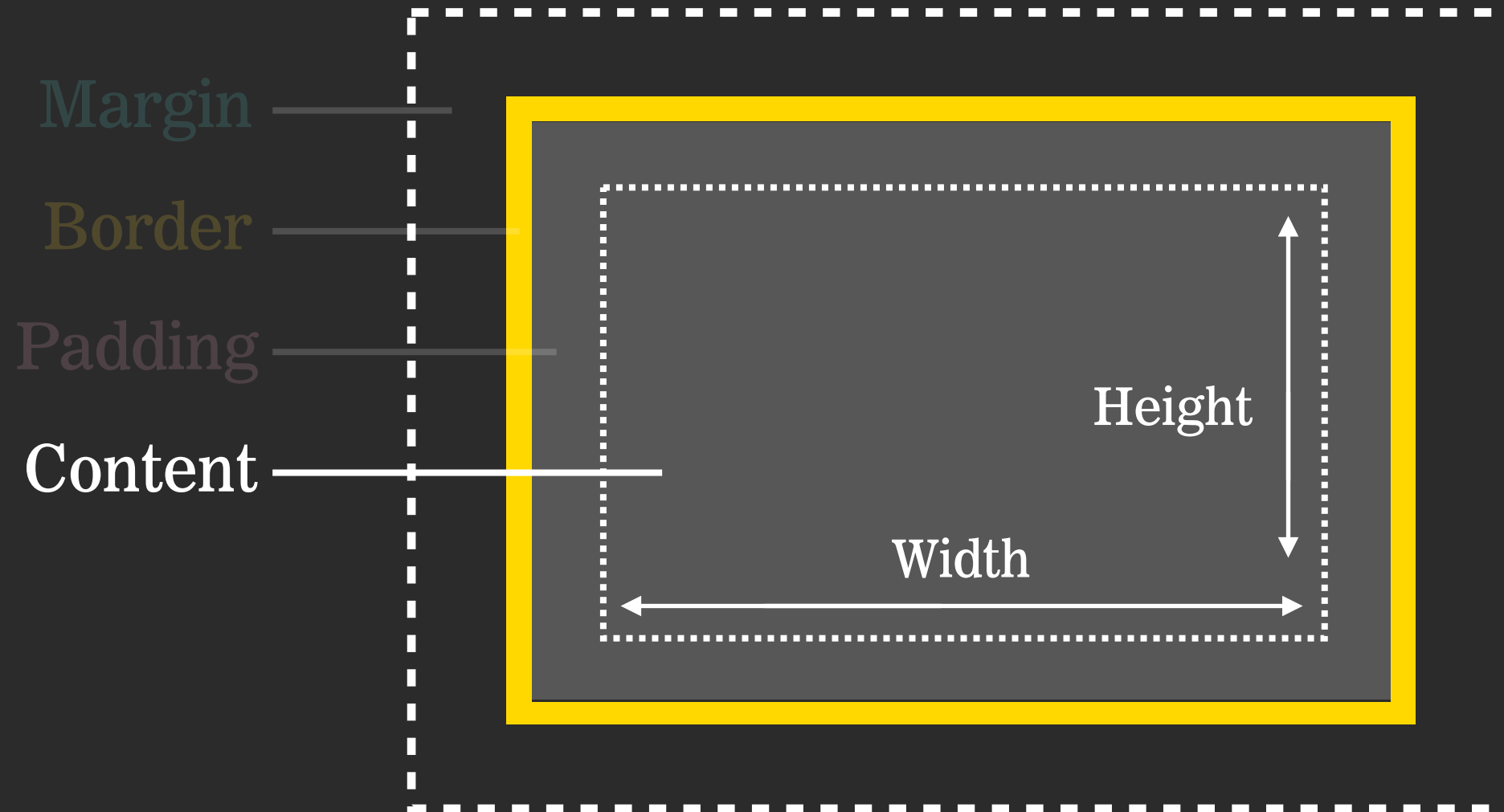
Bushwick sartorial pickled, quinoa church-key before they
sold out drinking vinegar put a bird on it readymade organic
lumbersexual. Four dollar toast chia *Intelligentsia* YOLO
Marfa. Migas raw denim photo booth authentic, roof party
shabby chic pop-up flexitarian *skateboard* blog.

Muir Woods

Keffiyeh next level retro, brunch *sriracha* dreamcatcher
mixtape jean shorts XOXO master cleanse keytar
Kickstarter. Neutra kale chips Vice health goth ethical,
flannel single-origin coffee stumptown meditation
Kickstarter mumblecore yr cronut master cleanse keytar.

Bushwick sartorial pickled, quinoa church-key before they
sold out drinking vinegar put a bird on it readymade organic
lumbersexual. Four dollar toast chia *Intelligentsia* YOLO
Marfa. Migas raw denim photo booth authentic, roof party
shabby chic pop-up flexitarian *skateboard* blog.

CSS — BOX MODEL



CSS BOX MODEL

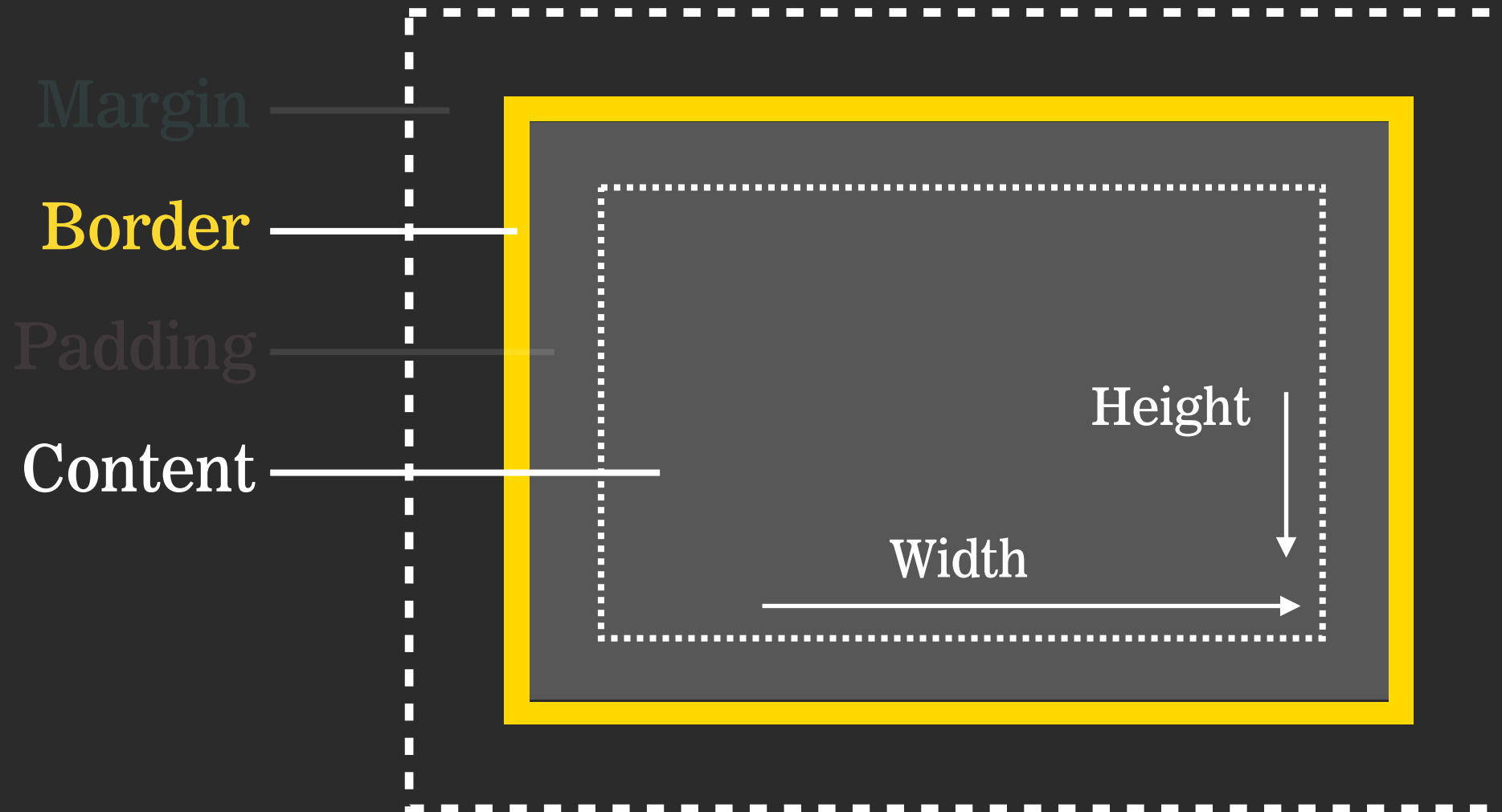
Every box has three properties that can be adjusted to control its appearance:

1

BORDER




Every box has a border,
even if it's not visible or
specified to be 0 px wide

CSS — BOX MODEL



BORDERS

BORDER TRIFECTA:

WIDTH		Example: 1px, 5px, or 10px
STYLE		Example: solid, dotted, or dashed
COLOR		Example: blue, #dfdfff

BORDER SHORTHAND

1. Set the border width, [style](#) and color for all sides:

PROPERTY	FORMAT	EXAMPLE
border	border: width style color;	border: 1px solid red;

2. Set a border width, [style](#) and color for a specific side:

PROPERTY	FORMAT	EXAMPLE
border-top	border-side: width style color;	border-top: 1px solid red;
border-right		
border-bottom		
border-left		



BORDER SHORTHAND

Why isn't my border showing up?

```
border-color: red;  
border-size: 1px;
```

The default border-style is none! So why not always specify all three properties?

```
border: 1px solid red;
```

CSS BOX MODEL

Every box has three properties that can be adjusted to control its appearance:

1

BORDER

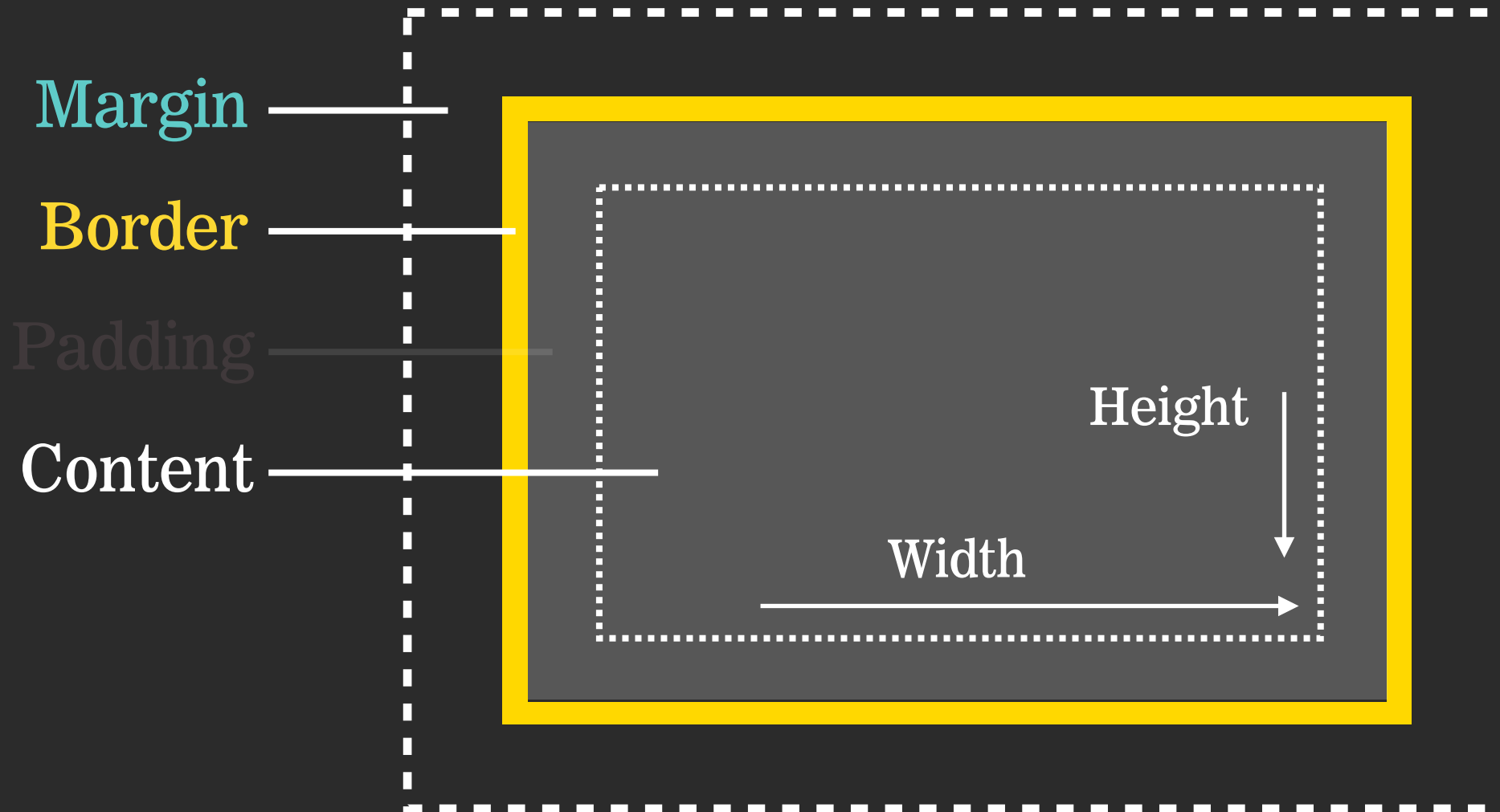
Every box has a border,
even if it's not visible or
specified to be 0 px wide

2

MARGIN

Margins sit outside the border.
You can set the width of a margin
to create a gap between the
borders of two adjacent boxes

CSS — BOX MODEL



BOX MODEL — MARGIN SYNTAX

1. Set an even margin on all sides:

PROPERTY	FORMAT	EXAMPLE
margin	margin: #px;	margin: 20px;

2. Specific side

margin-side	margin-side: #px;	margin-top: 20px;
-------------	-------------------	-------------------

3. Shorthand - different size for different sides

margin	margin: top right bottom left;	margin: 20px 10px 5px 10px;
--------	--------------------------------	-----------------------------

CSS BOX MODEL

Every box has three properties that can be adjusted to control its appearance:

1

BORDER

Every box has a border, even if it's not visible or specified to be 0 px wide

2

MARGIN

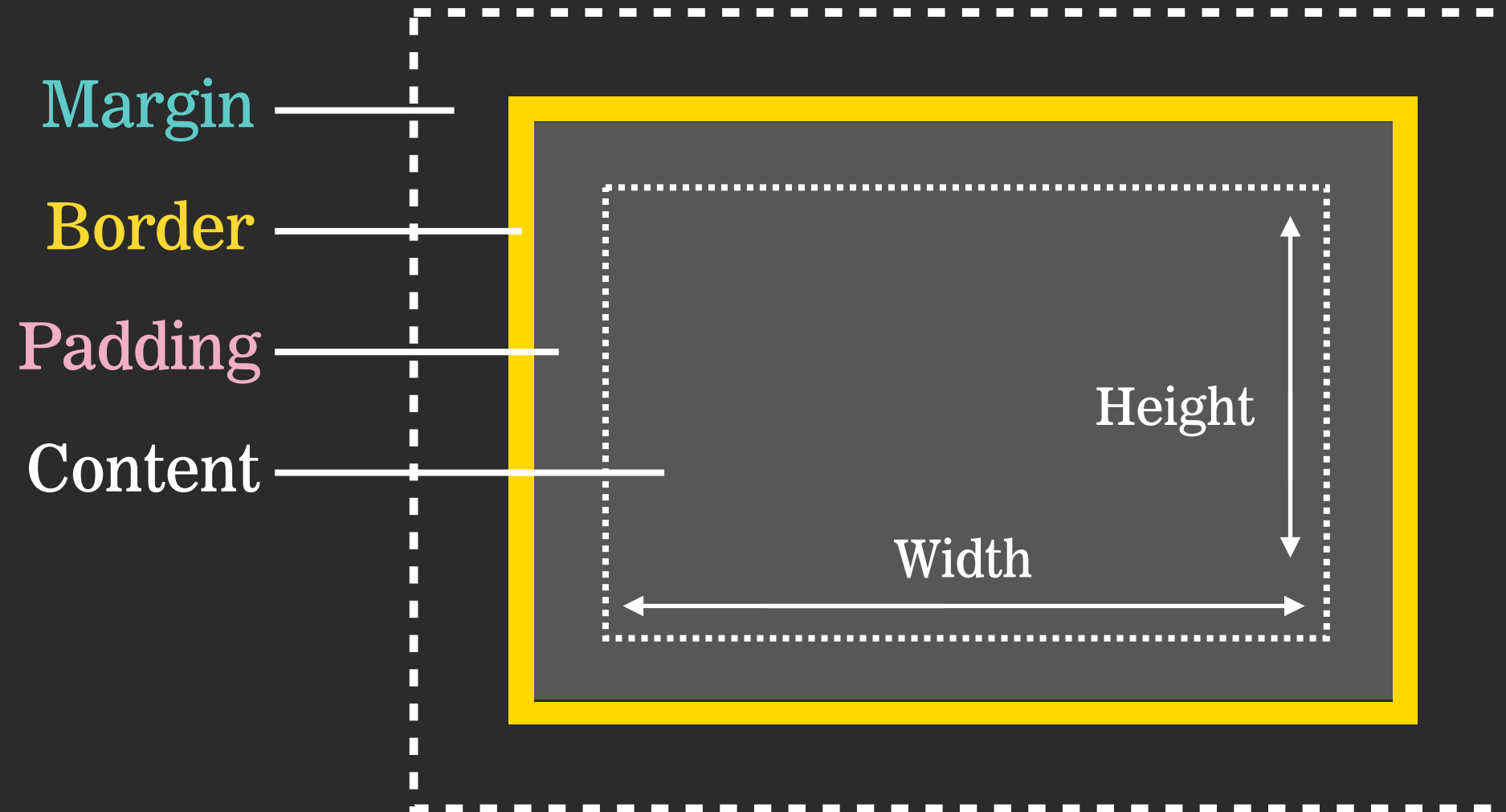
Margins sit outside the border. You can set the width of a margin to create a gap between the borders of two adjacent boxes

3

PADDING

Padding is the space between the border of a box and any content contained within it

CSS — BOX MODEL



BOX MODEL — PADDING SYNTAX

1. Set an even padding on all sides:

PROPERTY	FORMAT	EXAMPLE
padding	padding: #px;	padding: 20px;

2. Specific side

padding-side	padding-side: #px;	padding-top: 20px;
--------------	--------------------	--------------------

3. Shorthand - different size for different sides

padding	padding: top right bottom left;	padding: 20px 10px 5px 10px;
---------	---------------------------------	------------------------------

BOX MODEL — INTERACTIVE MODEL

BOX-SIZING

☒ CONTENT-BOX

☐ BORDER-BOX

PADDING

PADDING-TOP

20px

PADDING-RIGHT

20px

PADDING-BOTTOM

20px

PADDING-LEFT

20px

BORDER

BORDER-TOP

15px

BORDER-RIGHT

15px

BORDER-BOTTOM

15px

BORDER-LEFT

15px

MARGIN

MARGIN-TOP

20px

MARGIN-RIGHT

20px

MARGIN-BOTTOM

20px

MARGIN-LEFT

20px

DIMENSIONS

WIDTH

220px

HEIGHT

220px

GENERATED SIZE

☐ INCLUDE MARGIN

HORIZONTAL:

280px

VERTICAL:

280px

The diagram illustrates the box model with the following dimensions:

- Content: 220 x 220
- Padding: 20
- Border: 15
- Margin: 20
- Total Width: 280
- Total Height: 280

CODE ALONG — BOX MODEL



ACTIVITY



EXERCISE

KEY OBJECTIVE

- ▶ Use CSS to add basic styles to an HTML page.

TIMING

3 min

1. Refer back to `starter_code > css_practice > index.html`
2. Follow the instructions under Part 3

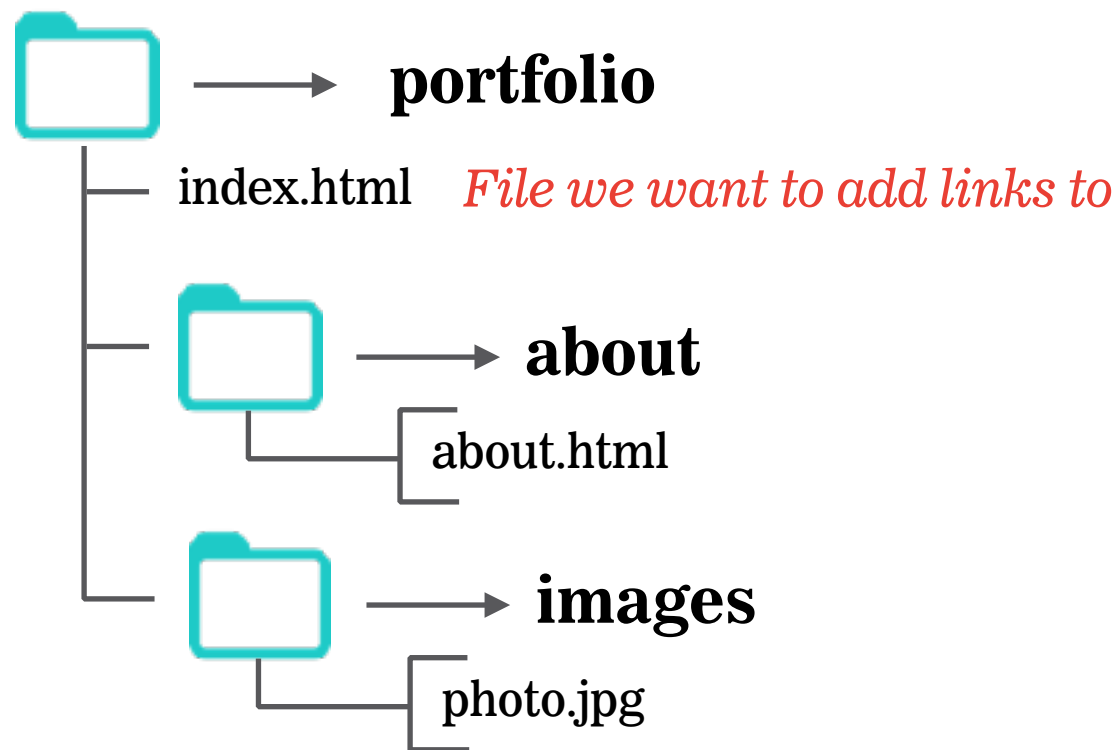
CSS SELECTORS

RELATIVE URLS — SAME FOLDER



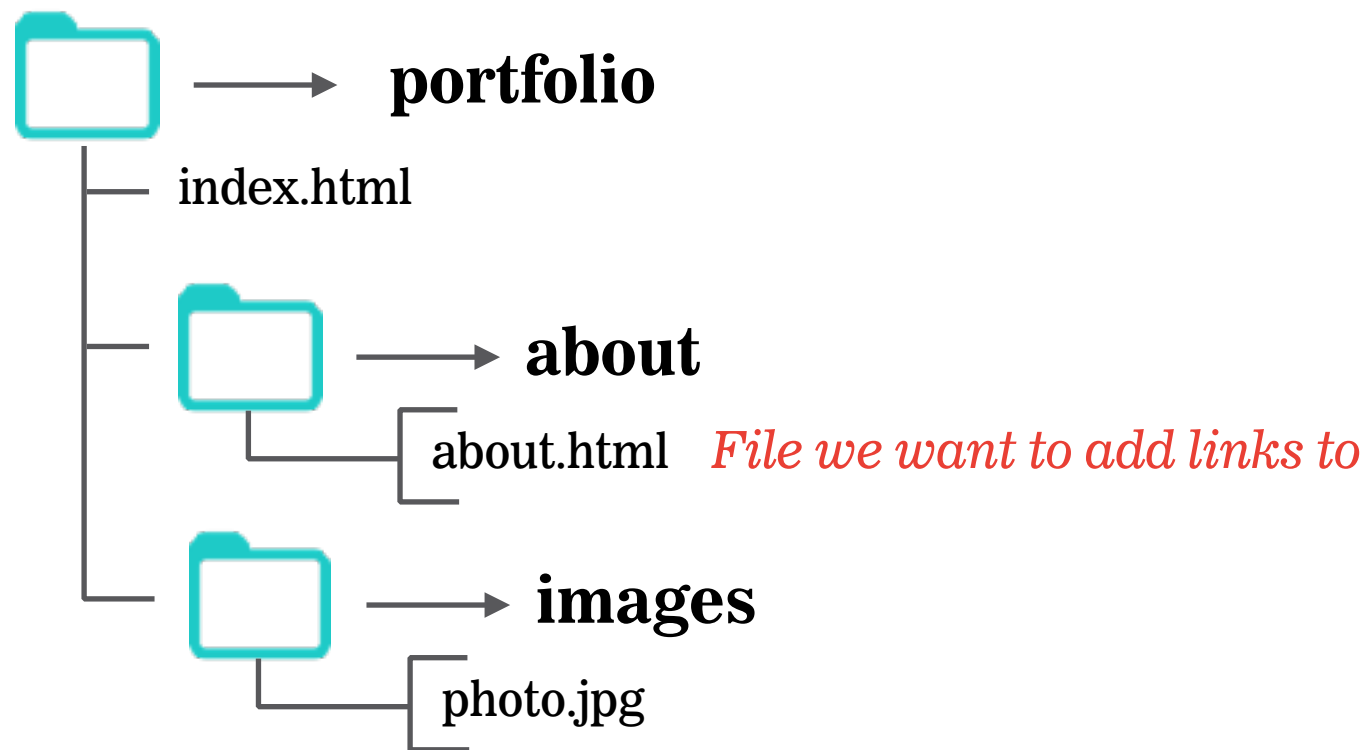
	RELATIVE URL	EXAMPLE
SAME FOLDER	File name	<code>Info</code>
		<code></code>

RELATIVE URLS — CHILD FOLDER



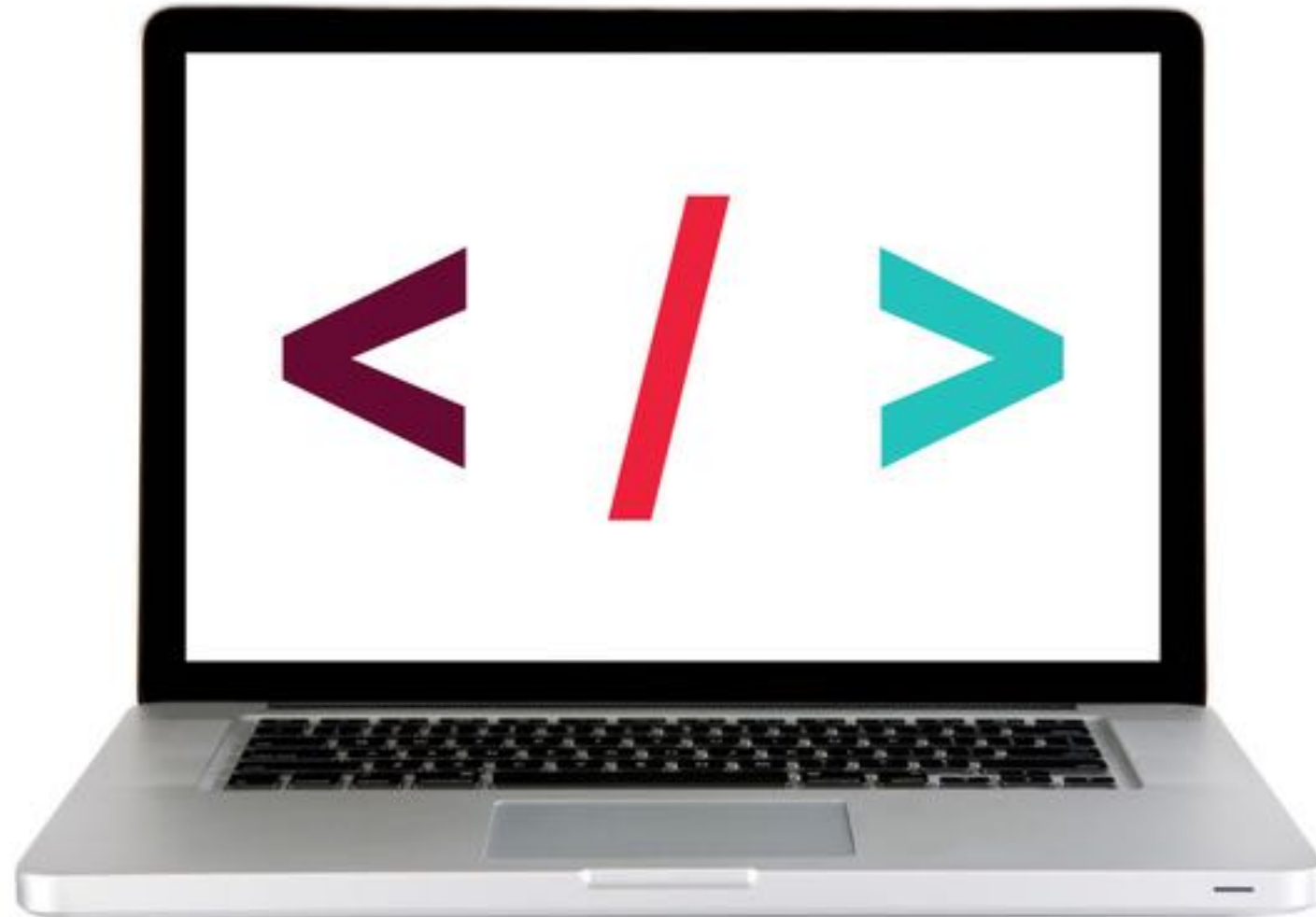
	DESCRIPTION	EXAMPLE
CHILD	Name of child folder + / + file name	<code></code> <code>About</code>

RELATIVE URLS — CHILD FOLDER



	DESCRIPTION	EXAMPLE
PARENT	../ + path	Home

LET'S TAKE A CLOSER LOOK



ACTIVITY



EXERCISE

KEY OBJECTIVE

- ▶ Practice adding relative URLs to a project

KEY OBJECTIVE

- ▶ Starter code > Background image

TIMING

4 min

1. With a partner add a background-image to the style.css file. You'll want to use the background-image property along with the background-size property.
2. Test in browser!

RELATIVE URLS

FOLDER FILE IS IN:	DESCRIPTION		EXAMPLE
	SAME	File name	info.html
	CHILD	Name of child folder + / + file name	people/index.html
	GRANDCHILD	Name of child folder + / + Name of grandchild folder + / + file name	people/culture/index.html
	PARENT	../ + path	../index.html
	GRANDPARENT	../.. / + path	../.. /index.html

Note that ../ means to go up one directory, and can be used repeatedly:
../.. / would go up two directories.

CSS SELECTORS

**LET'S CHAT ABOUT THE
CASCADING NATURE OF CSS**

MORE ABOUT CASCADING

GENERAL

STUDENTS

STUDENTS NAMED (FIRST NAME)

SPECIFIC

STUDENTS NAMED (FIRST + LAST NAME)



MORE ABOUT CASCADING — GENERAL TO MORE SPECIFIC

GENERAL

INHERITANCE

ELEMENT SELECTORS

CLASSES

IDS

SPECIFIC

NESTED SELECTORS



FEWD

INHERITANCE

INHERITANCE — SETTING BASE STYLES



INHERITANCE — SETTING BASE STYLES

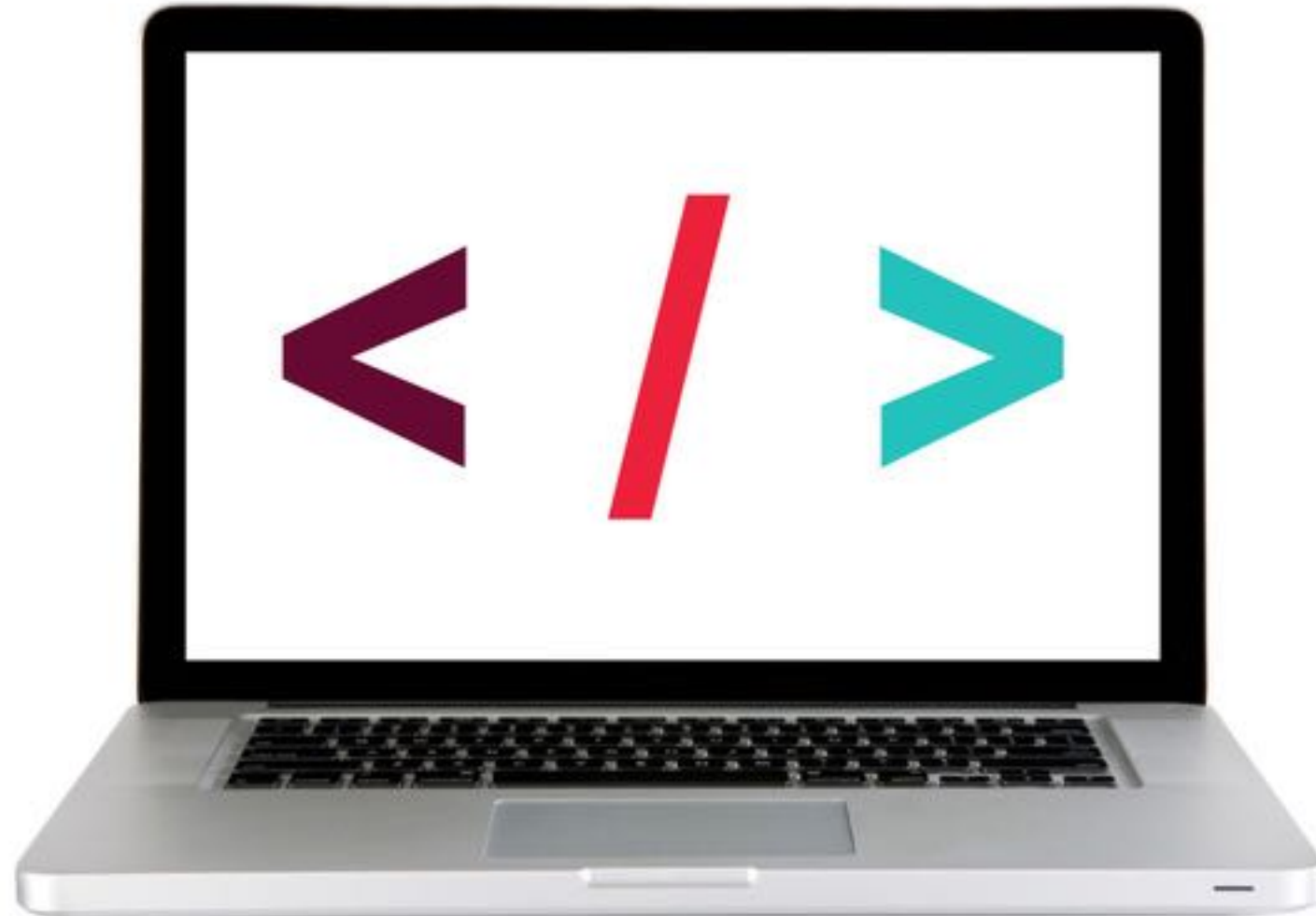


- Certain properties are passed on from a parent element down to its children
- If you specify the *font-family* or *color* properties on the body element, they will be inherited, or applied, to most child elements **unless there is a more specific rule that applies.**

Inherited properties you'll use in this course:

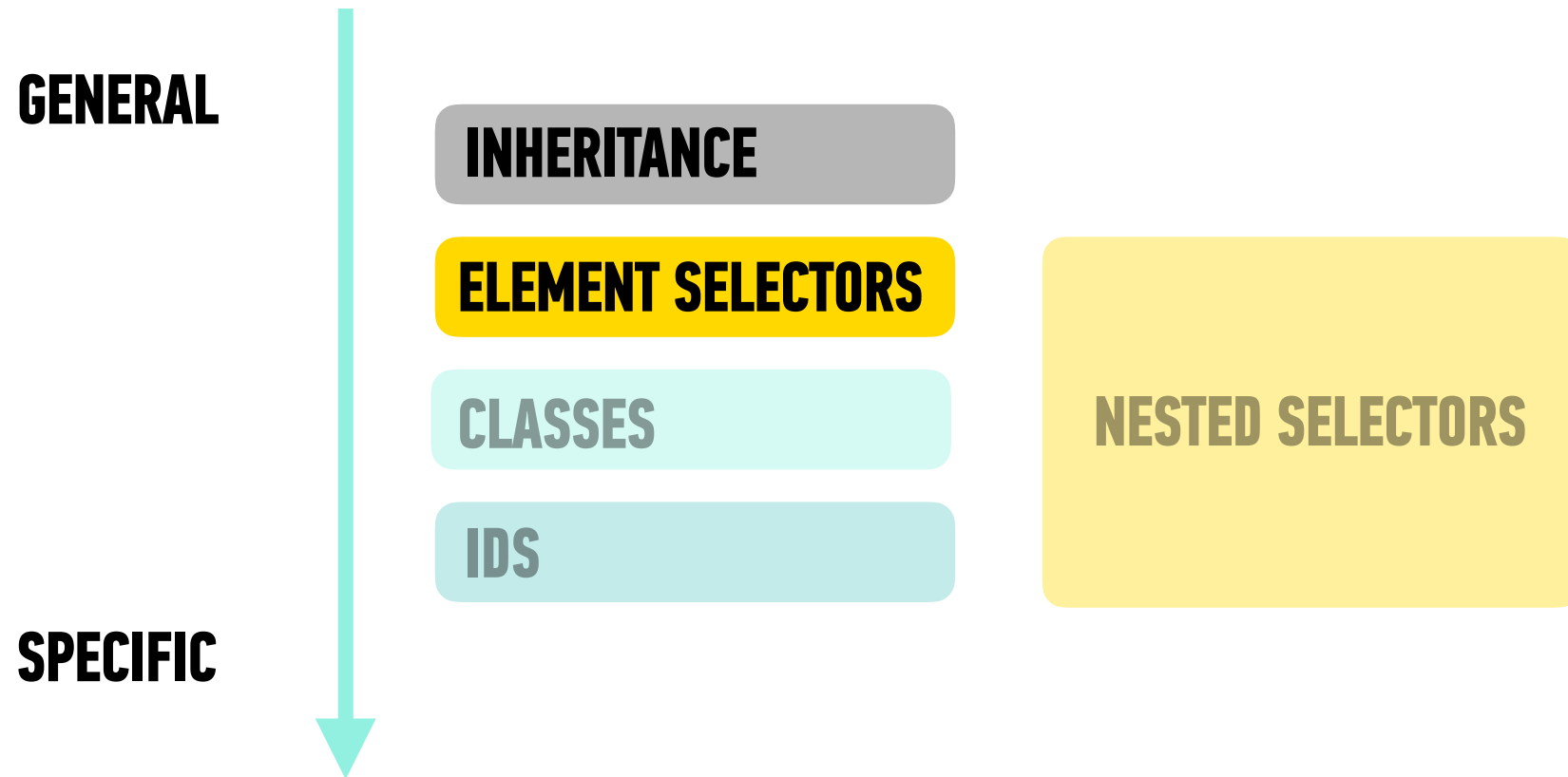
- | | | |
|---------------|------------------|------------------|
| ‣ color | ‣ font-weight | ‣ text-align |
| ‣ font-family | ‣ letter-spacing | ‣ text-indent |
| ‣ font-size | ‣ line-height | ‣ text-transform |
| ‣ font-style | ‣ list-style | ‣ word-spacing |

LET'S TAKE A CLOSER LOOK



MORE ABOUT CASCADING — GENERAL TO MORE SPECIFIC

- › CSS rules cascade downward until they are canceled out by another rule.



ACTIVITY



EXERCISE

KEY OBJECTIVE

- ▶ Explain inheritance in CSS. How can you use inheritance in your stylesheets to write less code in the long run?

TYPE OF ACTIVITY

- ▶ Turn and Talk

TASKS

1 min

1. Turn and talk to a partner

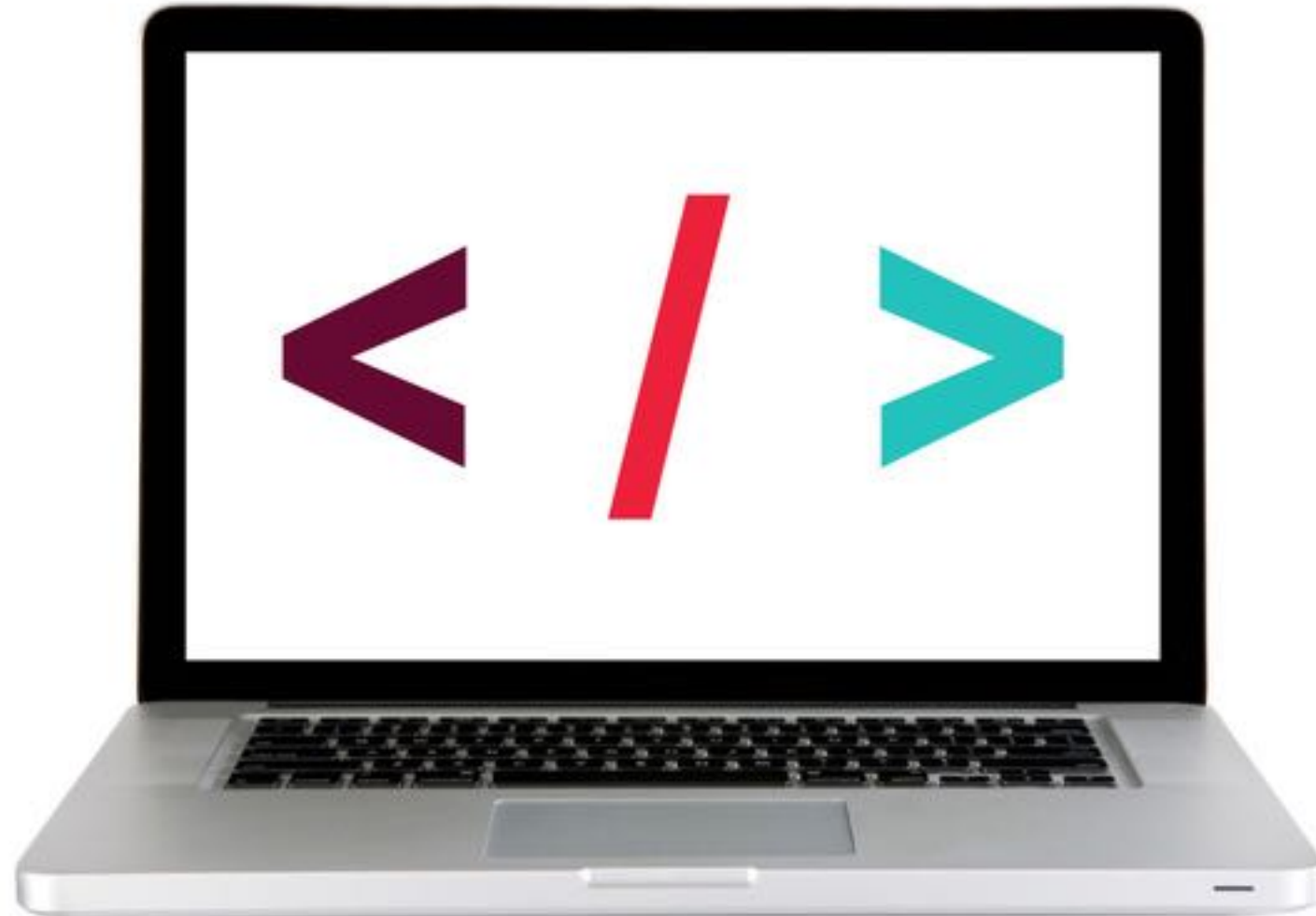
2 min

2. Pairs will share with the class

CSS SELECTORS

CLASSES AND IDS

LET'S TAKE A CLOSER LOOK

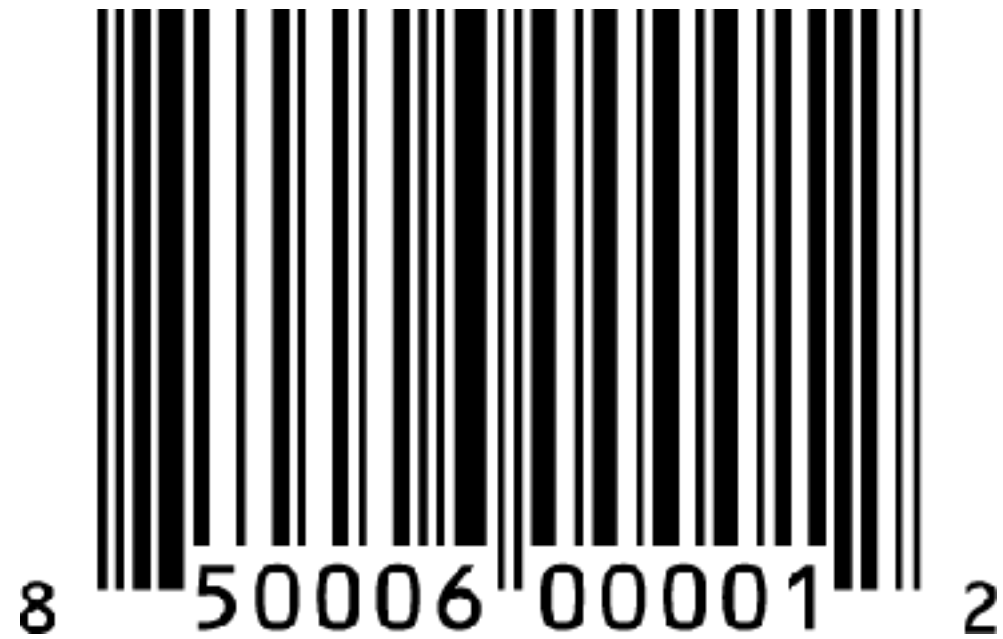


TARGETING SPECIFIC ELEMENTS



- Classes & IDs allow us to add 'labels' to elements so we can target them in our CSS.

TARGETING SPECIFIC ELEMENTS



CLASSES AND IDS

CLASSES

- Classes are used to group elements together
- Elements can have multiple classes

```
<li class="emphasis">Content</li>
```

```
.emphasis {  
  color: red;  
  font-size: 20px;  
}
```



CLASSES AND IDS

IDS

- Ids are used to target *one specific element*
- Each element can only have one id
- **Important:** two elements on the same page cannot have the same id

```
<nav id="main-nav">Content</nav>
```

```
#main-nav {  
  text-align: center;  
}
```

DCS-942L



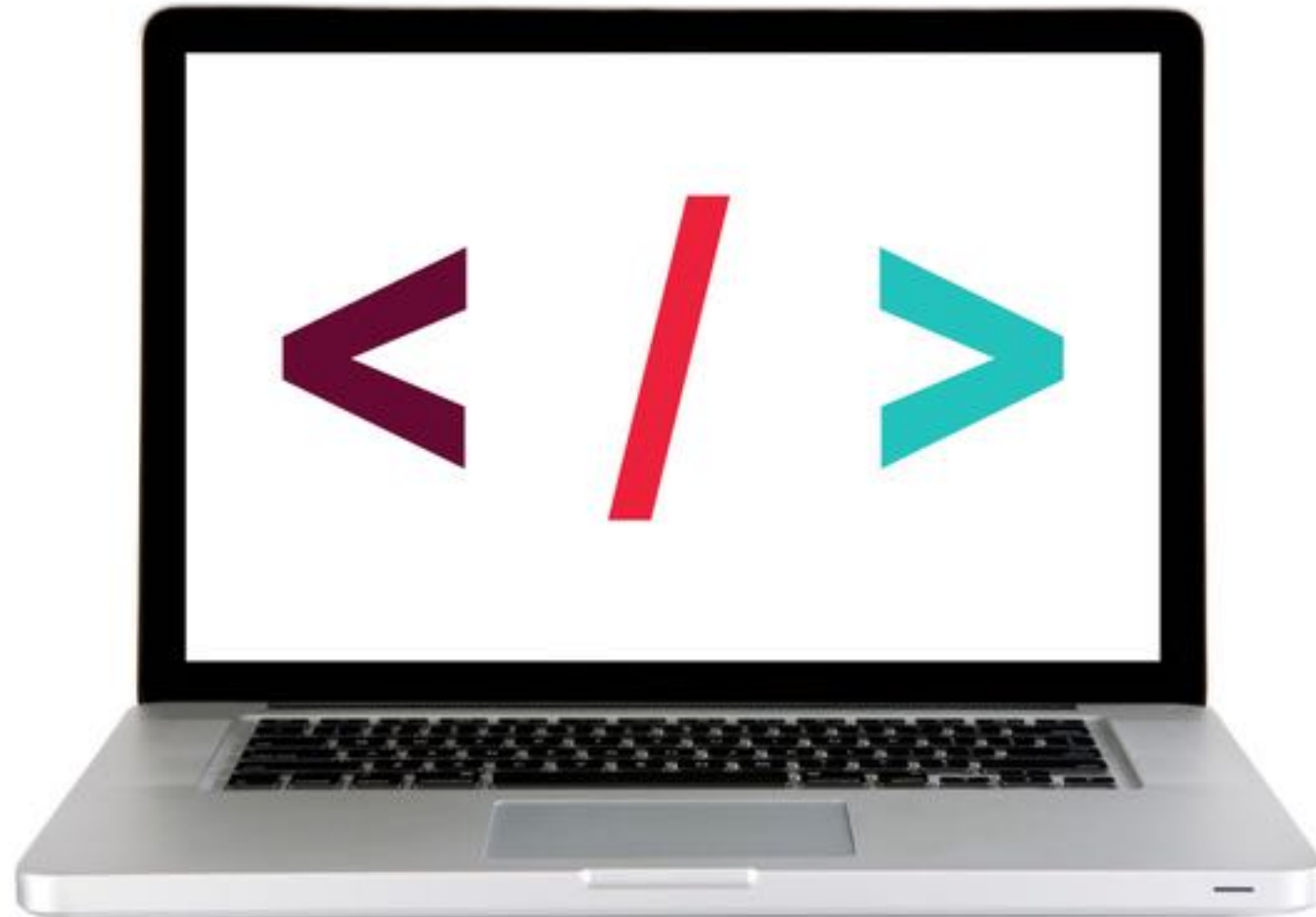
S/N: ABCD123456789



H/W Ver.:A1

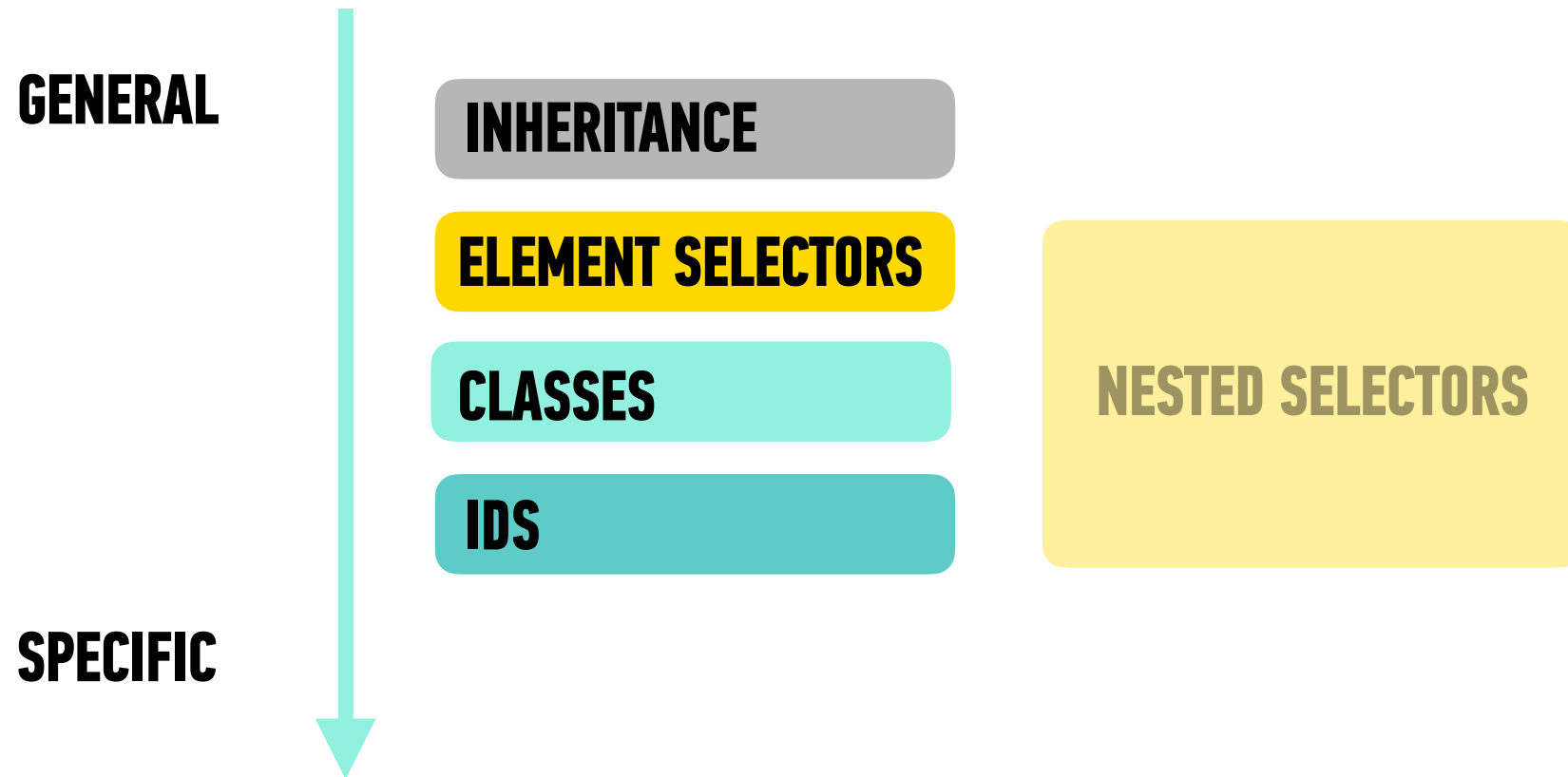
F/W Ver.:1.01

LET'S TAKE A CLOSER LOOK



MORE ABOUT CASCADING — GENERAL TO MORE SPECIFIC

- › CSS rules cascade downward until they are canceled out by another rule.



ACTIVITY



EXERCISE

LOCATION

- ▶ starter_code folder > classes_and_ids folder

KEY OBJECTIVE

- ▶ Use classes and IDs to target elements

TIMING

5 min

1. Follow the instructions under 'Now You Try'

CSS SELECTORS

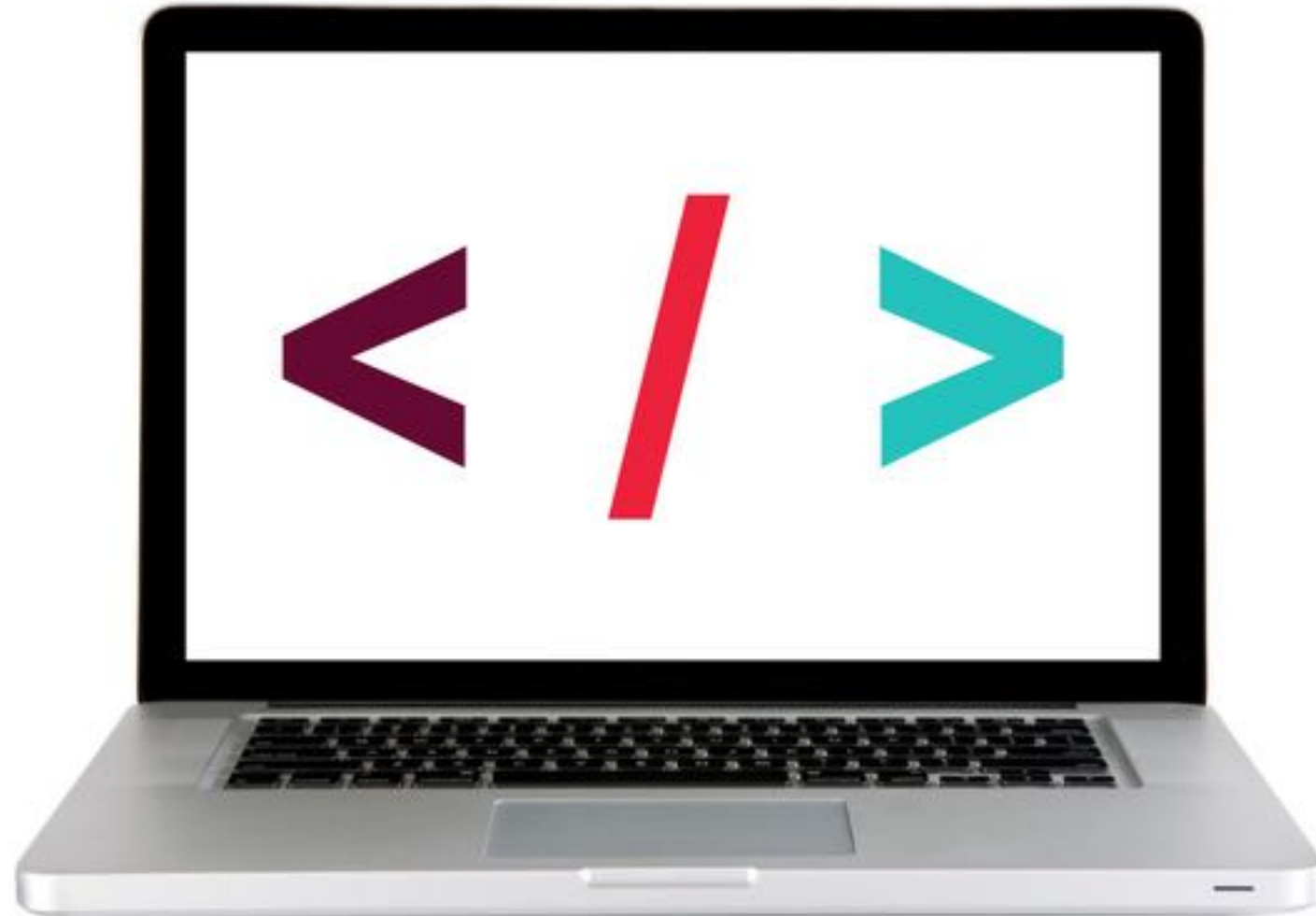
LEARNING OBJECTIVES

- Describe inheritance in CSS.
- Add classes and ids to HTML elements and apply CSS styles to elements based on class and id.
- Explain when you would use a class and when you would use an id.
- Apply CSS to elements based on their relationships.

FEWD

NESTED SELECTORS

LET'S TAKE A CLOSER LOOK



SELECTORS — MOST COMMON

SECTOR:	MEANING:		EXAMPLE:	
	TYPE	Selects an element		a {}
	DESCENDANT	Selects an element that is a descendent of another element		p a {}
	UNIVERSAL	Selects all elements in a document		* {}
	MULTIPLE	Select multiple elements		h1, h2 {}

SELECTORS

Which element here will be italic?

```
p a {  
    font-style: italic;  
}
```

SELECTORS

The last element in the selector string is always the one that we are styling



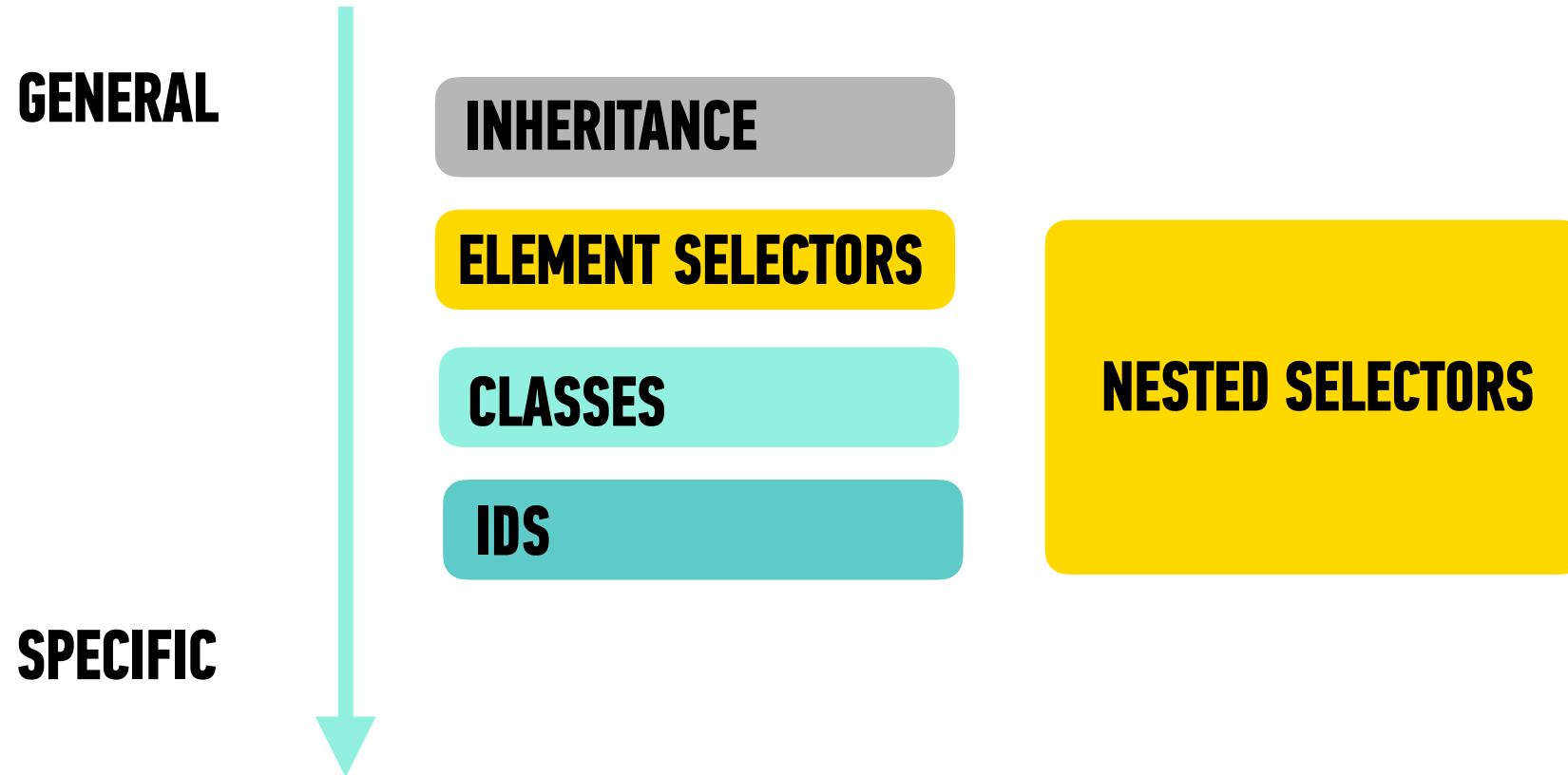
```
p a {  
    font-style: italic;  
}
```

NESTED SELECTORS

```
.error p a {  
  color: red;  
}
```

MORE ABOUT CASCADING

- › CSS rules cascade downward until they are canceled out by another rule.



CSS JOKES



```
#tower-of-pisa {  
  font-style: italic;  
}
```



CSS PUNS



```
#europe .country {  
border: none;  
}
```



CSS PUNS



```
#china {  
  border-top-style: solid;  
}
```



CSS SELECTORS

SPECIFICITY GAME!!!

CONFLICT!! — WHEN TWO RULES APPLY TO THE SAME ELEMENT

SPECIFICITY:

The *more specific rule* will take precedence over the more general rule

GENERAL

INHERITANCE

ELEMENT SELECTORS

CLASSES

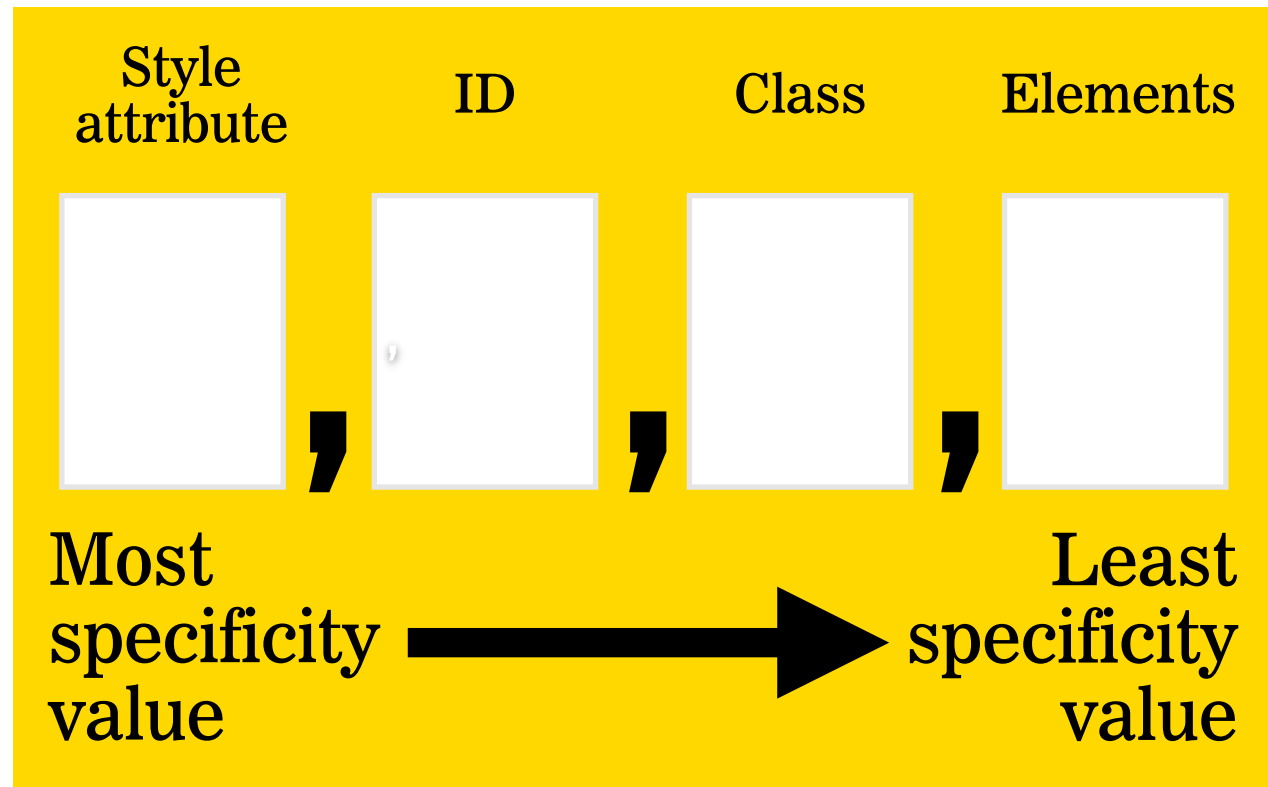
IDS

SPECIFIC

NESTED SELECTORS

CSS CASCADING — THE SPECIFICITY GAME

THE SPECIFICITY GAME!



CSS CASCADING — THE SPECIFICITY GAME

HTML:

```
<p>Visit my <a href="#">website</a></p>
```

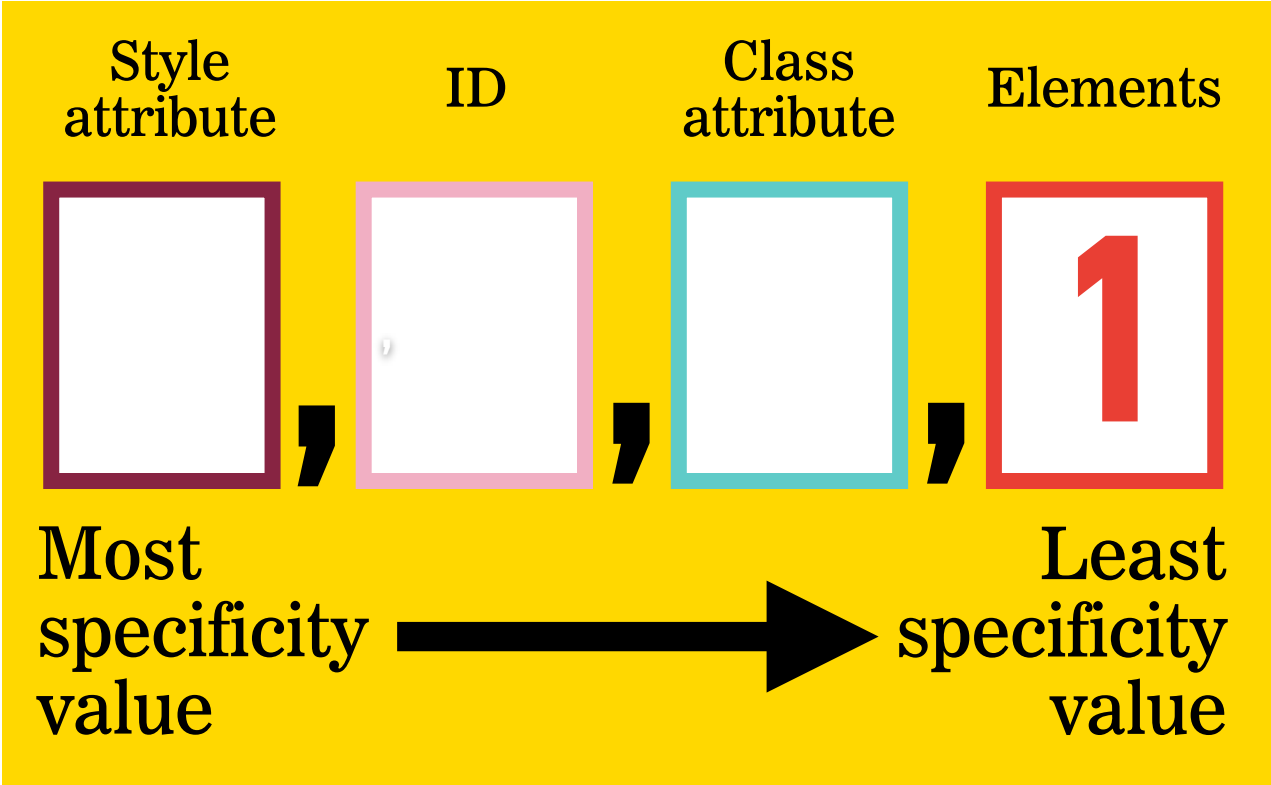
CSS:

```
p a {  
  font-size: 50px;  
}  
  
a {  
  font-size: 30px;  
}
```

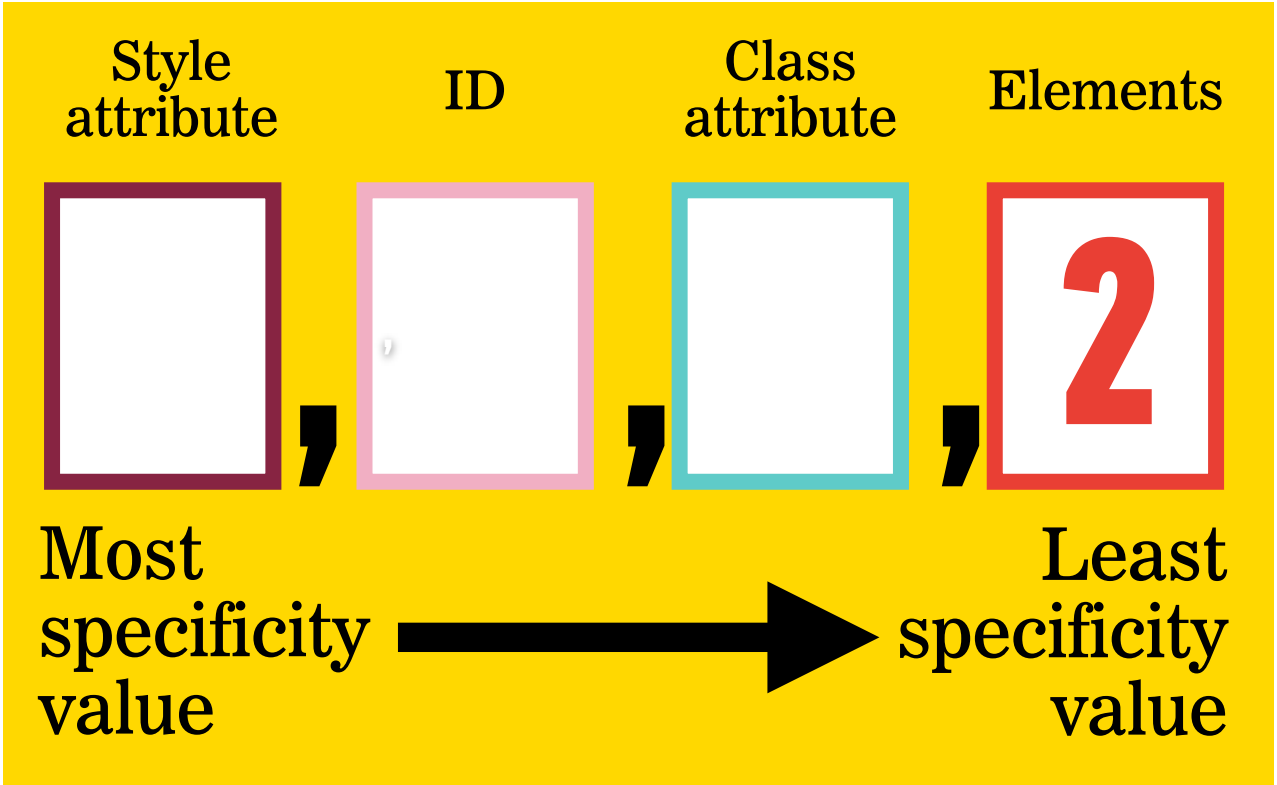
CSS CASCADING — THE SPECIFICITY GAME

SPECIFICITY

a



p a



CSS CASCADING — THE SPECIFICITY GAME

HTML:

```
<p>Visit my <a href="#">website</a></p>
```

CSS:

```
p a { /* Score: 2 */  
  font-size: 50px;  
}
```

```
a { /* Score: 1 */  
  font-size: 30px;  
}
```

CSS CASCADING — THE SPECIFICITY GAME

HTML:

```
<nav id="main-nav">
  <a href="" class="home">Home</a>
  <a href="">About</a>
  <a href="">Resume</a>
</nav>
```

CSS:

```
#main-nav a {
  color: pink;
}

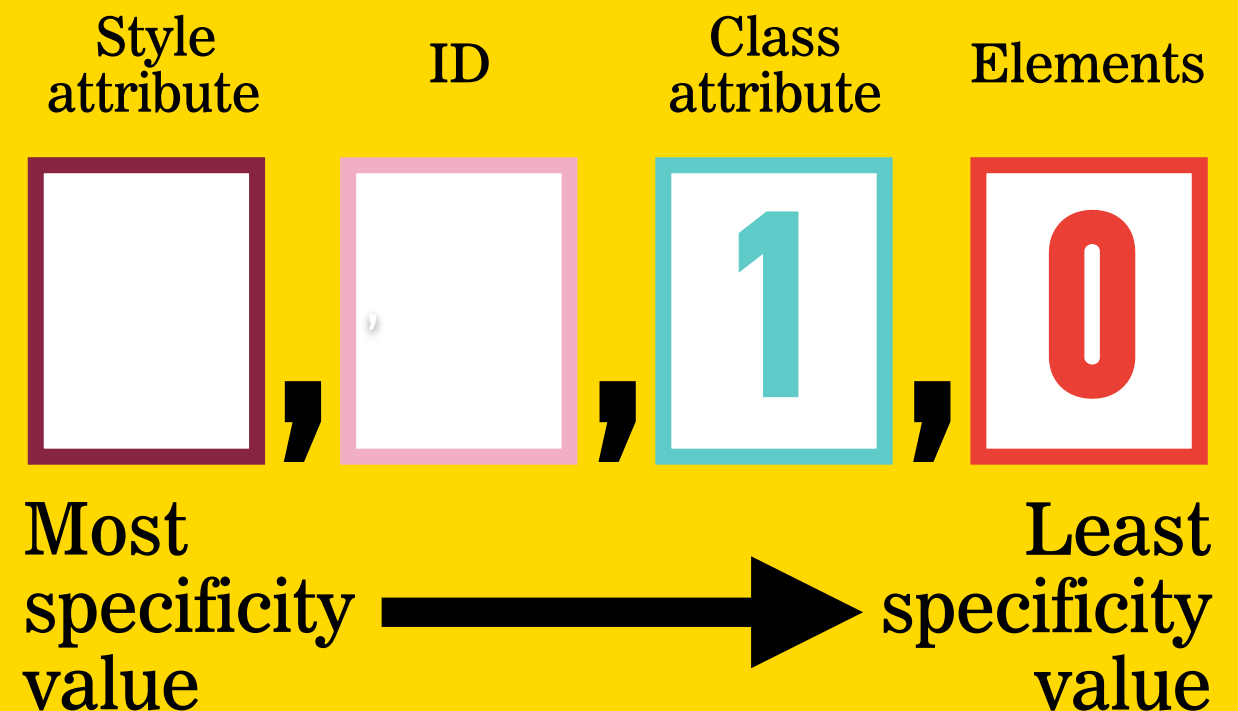
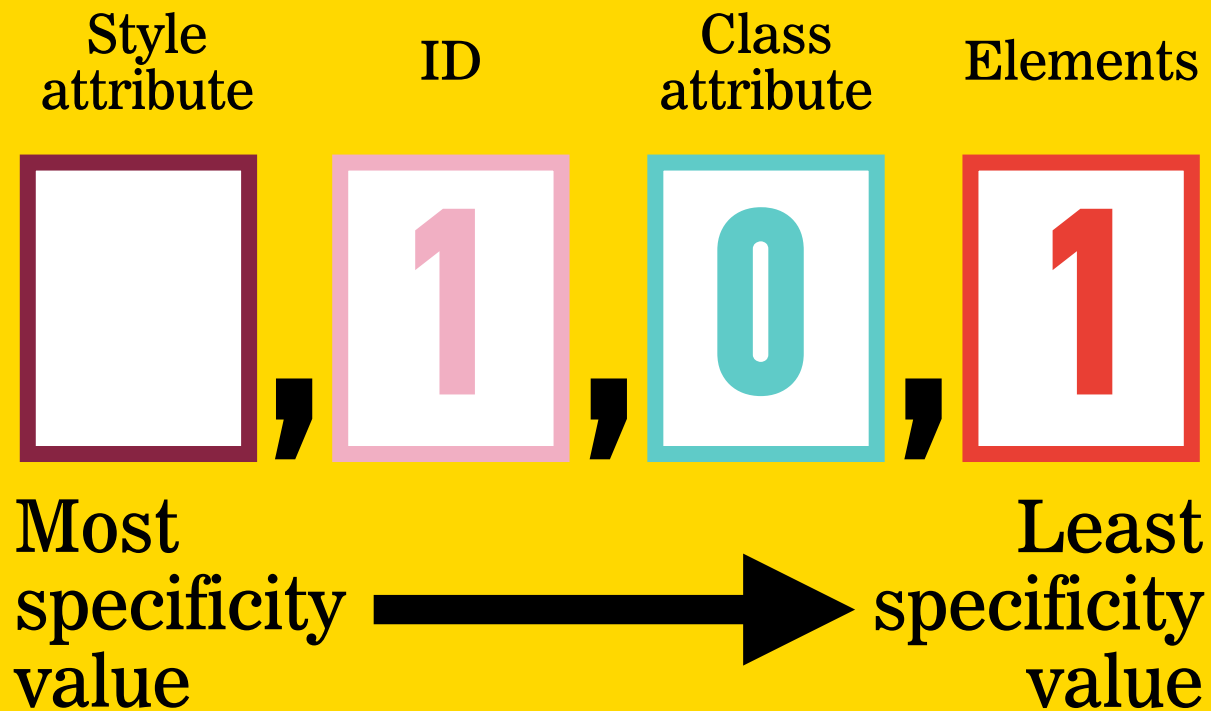
.home {
  color: blue;
}
```

CSS CASCADING

WINNER!

#main-nav a

.home



CSS CASCADING — THE SPECIFICITY GAME

HTML:

```
<nav id="main-nav">
  <a href="" class="home">Home</a>
  <a href="">About</a>
  <a href="">Resume</a>
</nav>
```

CSS:

```
#main-nav a { /* Score: 101 */
  color: pink;
}

.home { /* Score: 10 */
  color: blue;
}
```

CSS CASCADING — THE SPECIFICITY GAME

SPECIFICITY:

The *more specific rule*
will take precedence over
the more general rule

GENERAL

SPECIFIC

INHERITANCE

ELEMENT SELECTORS

CLASSES

IDS

NESTED SELECTORS



CSS SELECTORS

LAST RULE

CSS CASCADING — THE SPECIFICITY GAME

HTML:

```
<li>  
  <p>Visit this <a href="">Cool Site</a></p>  
</li>
```

CSS:

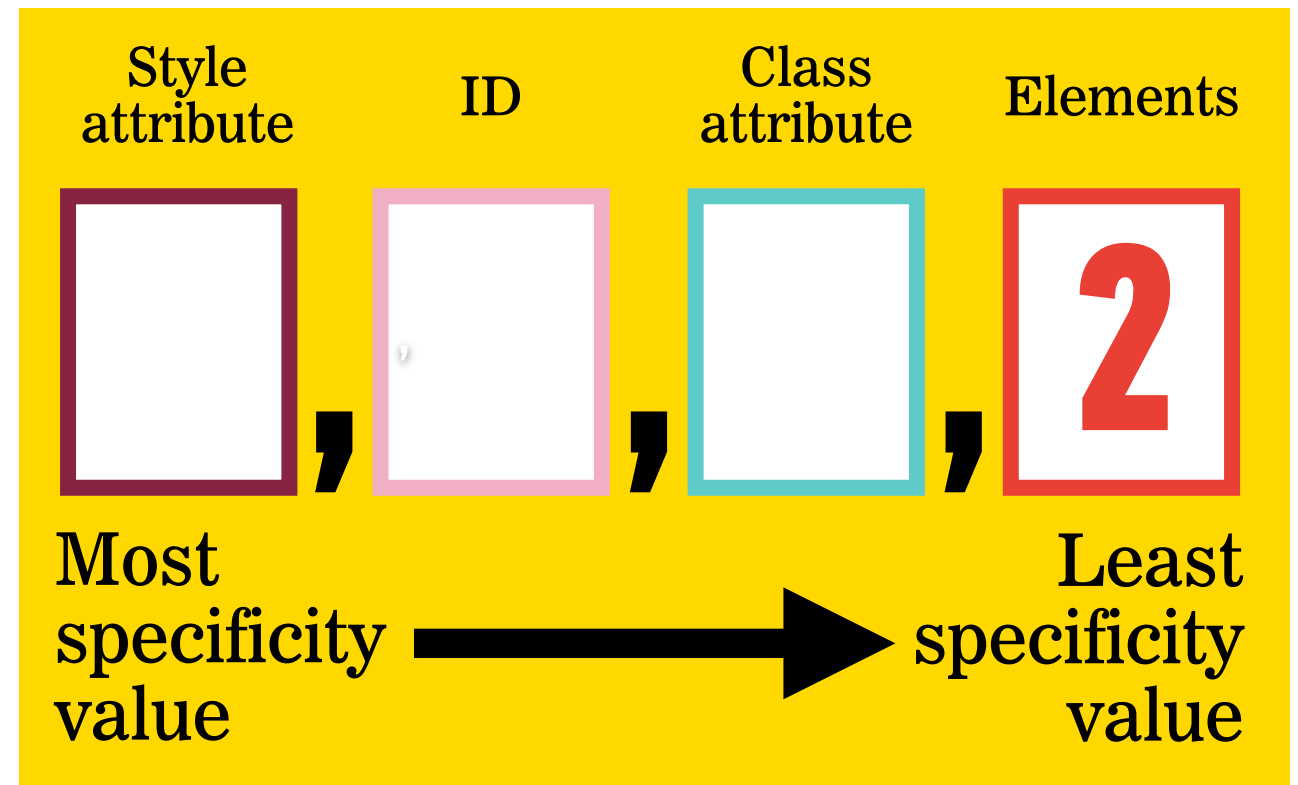
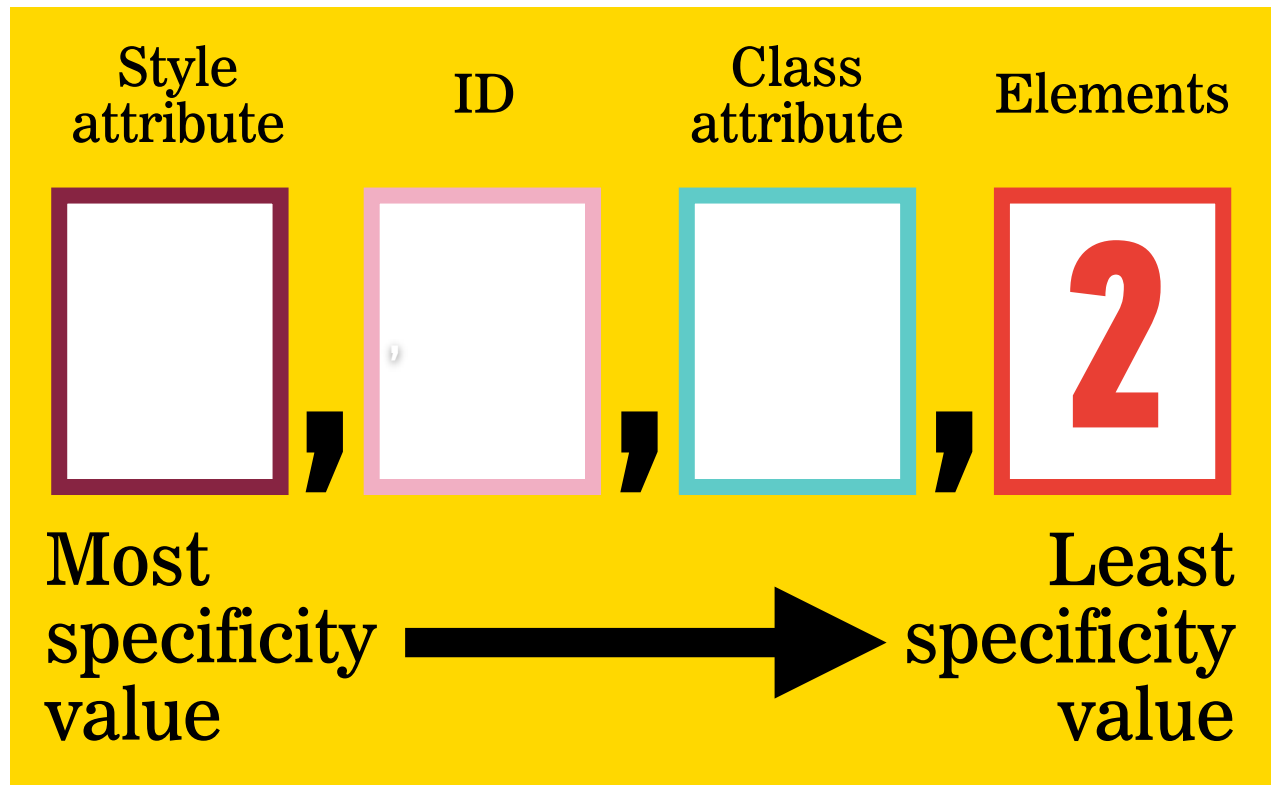
```
li a {  
  text-decoration: underline;  
}  
  
p a {  
  text-decoration: none;  
}
```

LAST RULE

TIE?!

li a

p a



CSS CASCADING — THE SPECIFICITY GAME

HTML:

```
<li>
  <p>Visit this <a href="">Cool Site</a></p>
</li>
```

CSS:

```
li a {
  text-decoration: underline;
}
```

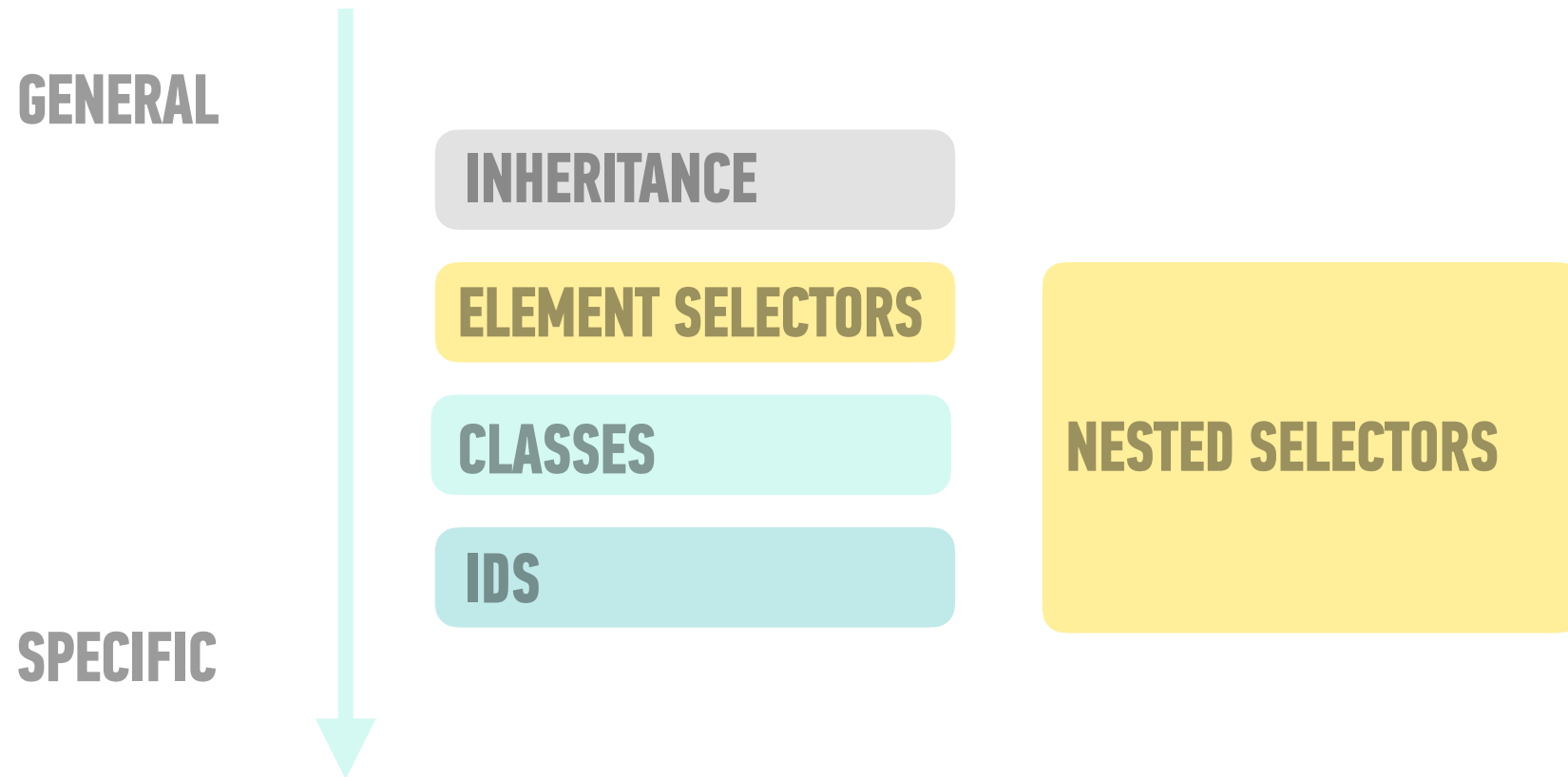
```
p a {
  text-decoration: none;
}
```

CONFLICT!! — WHEN TWO RULES APPLY TO THE SAME ELEMENT

If the two selectors have the same importance and specificity, the one that comes later in the stylesheet will take precedence.


MORE ABOUT CASCADING — GENERAL TO SPECIFIC

- ▶ CSS rules cascade downward until they are canceled out by another rule.



- ▶ CSS rules are able to override one another and cancel each other out, depending on their order.

CSS SELECTORS

THINGS YOU SHOULD USE IF YOU
WANT TO BE 

CSS SELECTORS

INLINE STYLES

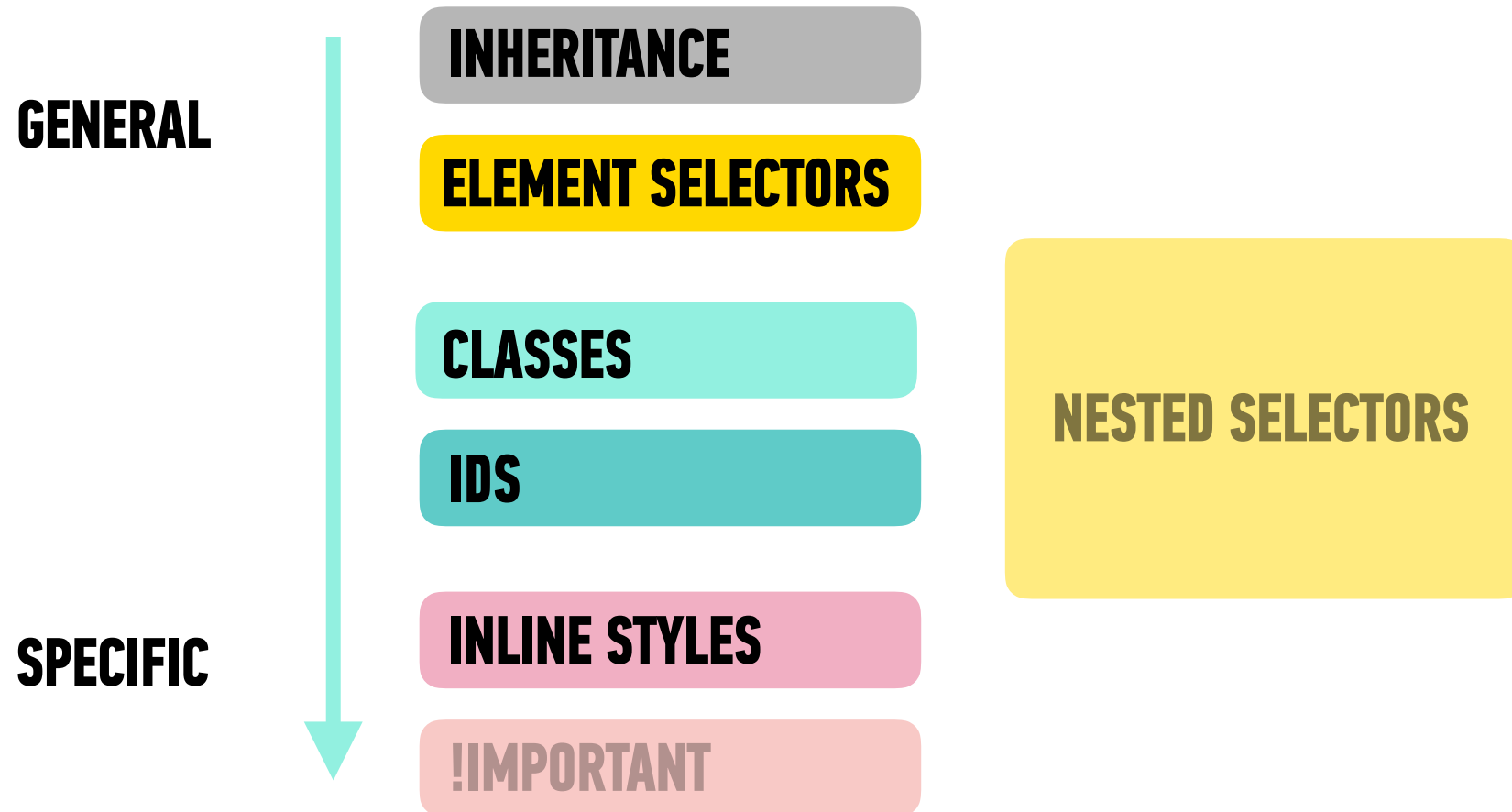
INLINE STYLES

```
<li style="color: red;">Content</li>
```

BAD!!!!

MORE ABOUT CASCADING

- › CSS rules cascade downward until they are canceled out by another rule.



- › CSS rules are able to override one another and cancel each other out, depending on their order.

CSS SELECTORS

IMPORTANCE

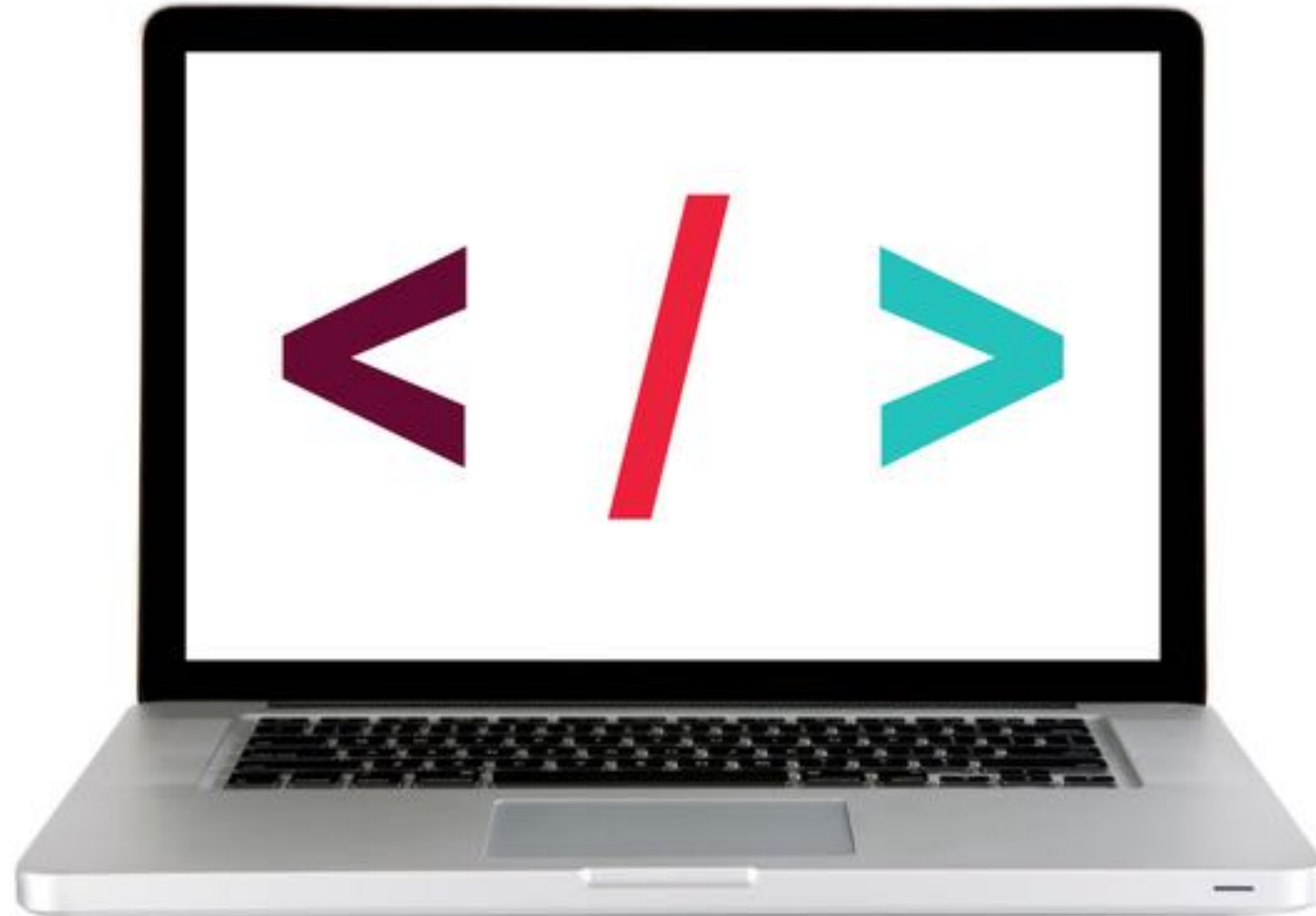
CSS IMPORTANCE

Adding **!important** after any property value indicates that it should be considered *more important than other rules that apply to the same element*.

```
li {  
  font-size: 100px !important;  
}
```

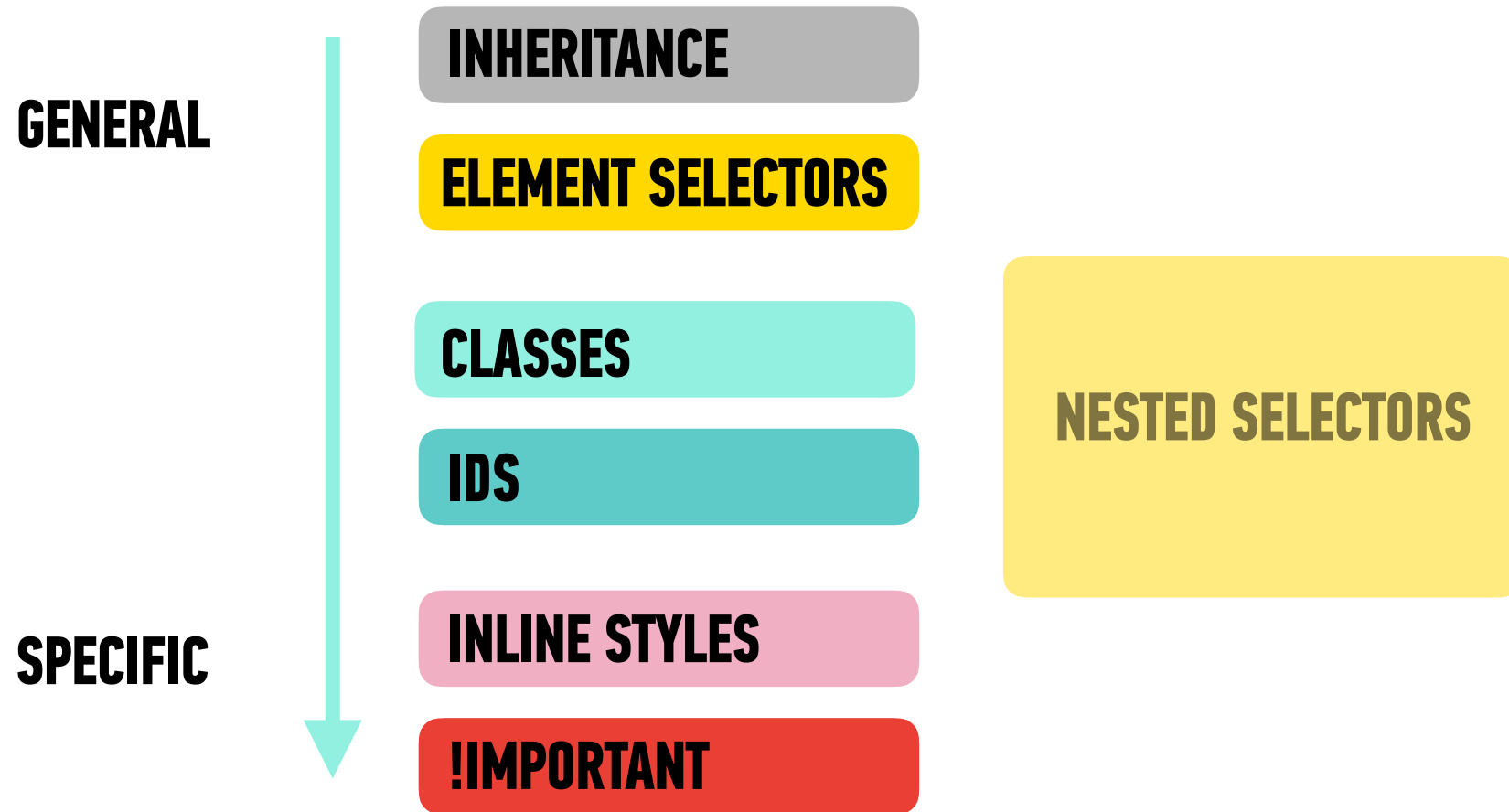
ONLY WHEN NECESSARY!!!
(Which is almost never)

LET'S TAKE A CLOSER LOOK



MORE ABOUT CASCADING

- › CSS rules cascade downward until they are canceled out by another rule.



- › CSS rules are able to override one another and cancel each other out, depending on their order.

CSS CASCADING — THE SPECIFICITY GAME

HTML:

```
<ul id="about">
  <li style="color: red">Wednesday</li>
</ul>
```

CSS:

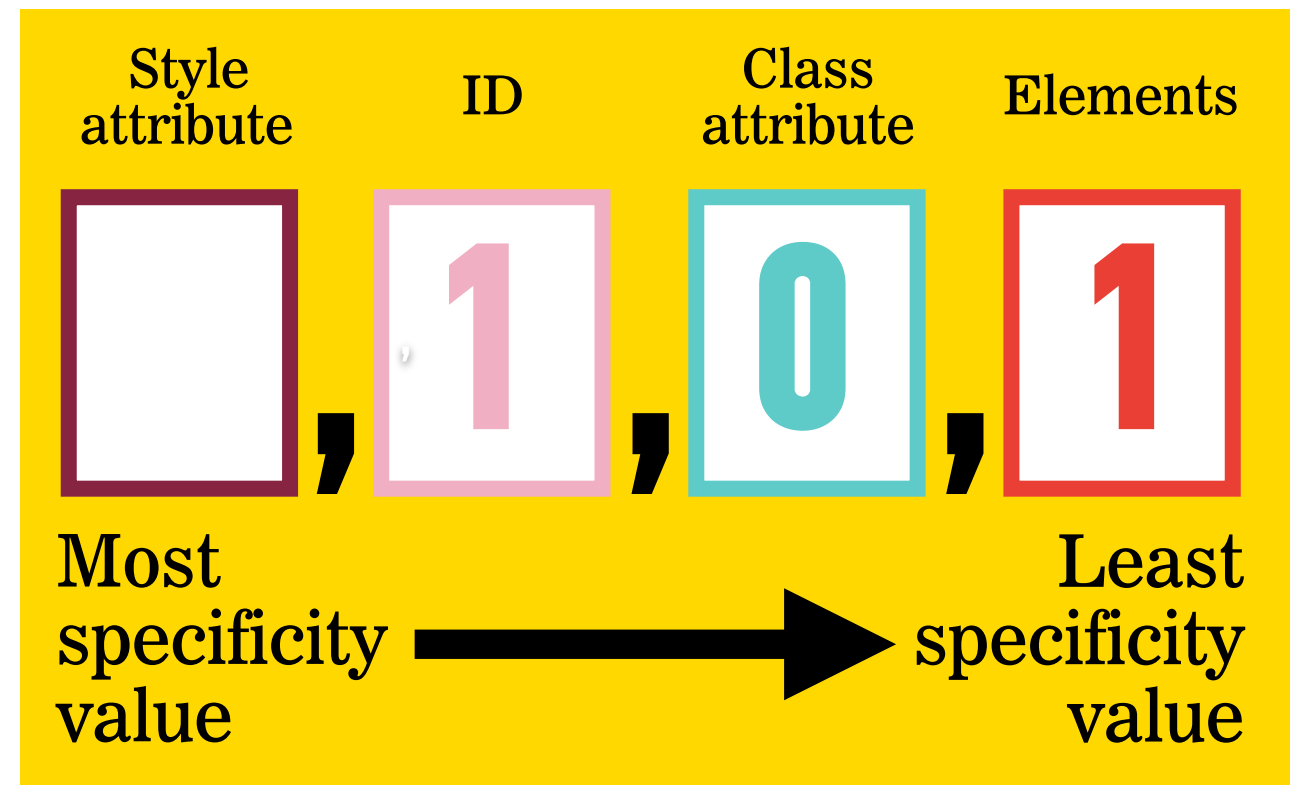
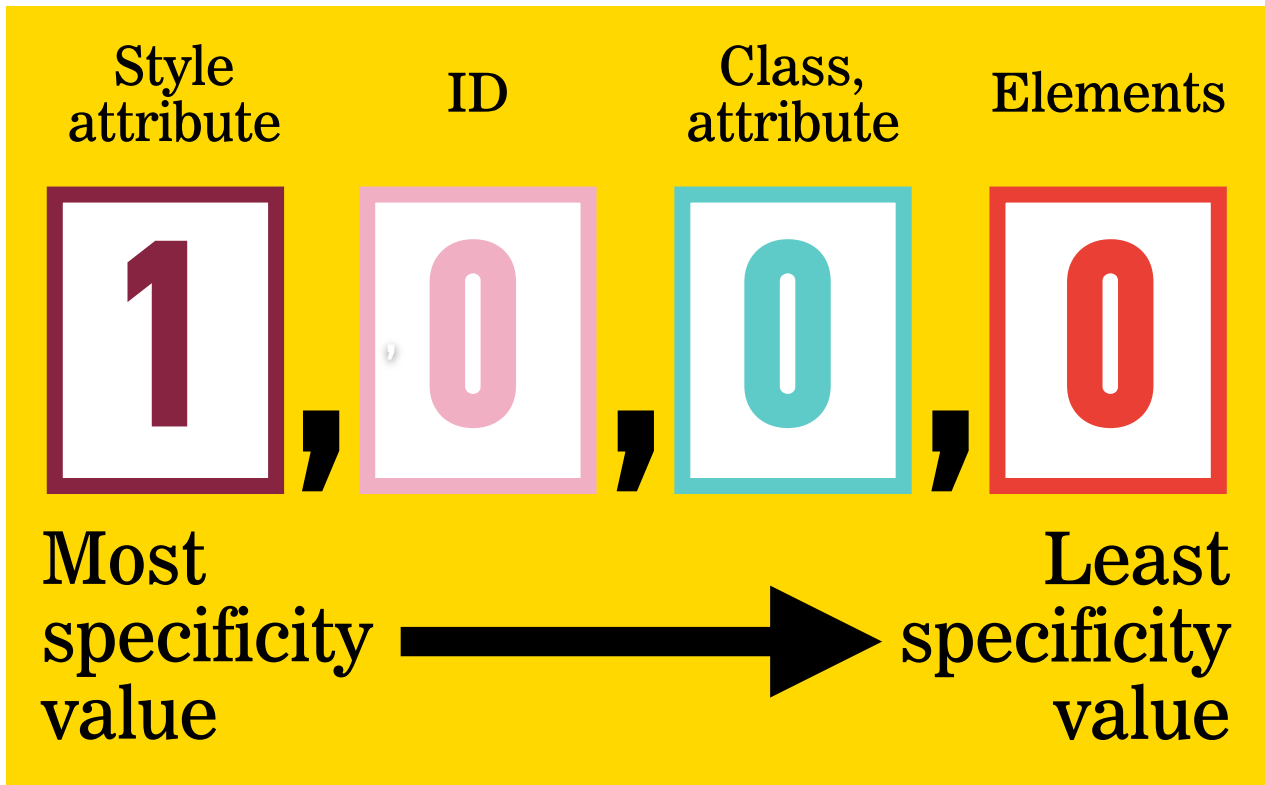
```
#about li {
  color: pink;
}
```

CSS CASCADING

WINNER!

`<li style="color: red">`

#about li



CSS CASCADING — THE SPECIFICITY GAME

HTML:

```
<ul id="about">  
  <li style="color: red">Wednesday</li> <!-- Score: 1000 -->  
</ul>
```

CSS:

```
#about li { /* Score: 101 */  
  color: pink;  
}
```

CSS CASCADING — THE SPECIFICITY GAME

!IMPORTANT

li {color: green *!important*;}

WINNER!

!important	Style attribute	ID	Class attribute	Elements
1	0	0	0	0
Trumps all!!				

!important can only be overridden by another !important

CSS CASCADING — THE SPECIFICITY GAME

```
li {  
  color: green !important;  
}
```

CSS CASCADING — THE SPECIFICITY GAME

SPECIFICITY:

The *more specific rule*
will take precedence over
the more general rule

GENERAL

SPECIFIC

INHERITANCE

ELEMENT SELECTORS

CLASSES

IDS


INLINE STYLES











!IMPORTANT

NESTED SELECTORS

CSS CASCADING — THE SPECIFICITY GAME

[illegible]


http://www.suffdandersons.co.uk/buylives/cas_specific_mars.html

 <p>a</p> <p>1 x element selector</p> <p>Sith: 0, 0, 1</p>	 <p>a a</p> <p>2 x element selectors</p> <p>Sith: 0, 0, 2</p>	 <p>.whatever</p> <p>1 x class selector</p> <p>Sith: 0, 1, 0</p>	 <p>a.whatever</p> <p>1 x element selector 1 x class selector</p> <p>Sith: 0, 1, 1</p>
 <p>p whatever</p> <p>2 x element selector 1 x class selector</p> <p>Sith: 0, 1, 2</p>	 <p>whatever.whatever</p> <p>2 x class selectors</p> <p>Sith: 0, 2, 1</p>	 <p>p.whatever a.whatever</p> <p>2 x element selectors 2 x class selectors</p> <p>Sith: 0, 2, 2</p>	 <p>#whatever</p> <p>1 x id selector</p> <p>Sith: 1, 0, 0</p>
 <p>a#whatever</p> <p>1 x element selector 1 x id selector</p> <p>Sith: 1, 0, 1</p>	 <p>whatever a.whatever</p> <p>1 x element selector 1 x class selector</p> <p>Sith: 1, 1, 1</p>	<p>.whatever .whatever #whatever</p> <p>2 x class selectors 1 x id selector</p> <p>Sith: 1, 2, 0</p>	<p>#whatever #whatever</p> <p>2 x id selectors</p> <p>Sith: 2, 0, 0</p>

ACTIVITY



EXERCISE

KEY OBJECTIVE

- ▶ Explain CSS "cascading"
- ▶ Summarize "specificity" — i.e. when multiple style rules apply to the same element, how can we figure out which one will be applied?
- ▶ Challenge question: How does the cascading nature of CSS allow us to write less CSS in the long run?

TYPE OF ACTIVITY

- ▶ Turn and Talk

TASKS

- | | |
|-------|---|
| 2 min | 1. Turn and talk to a partner |
| 2 min | 2. A couple pairs will share with the class |

CSS SELECTORS

USING CHROME DEV TOOLS

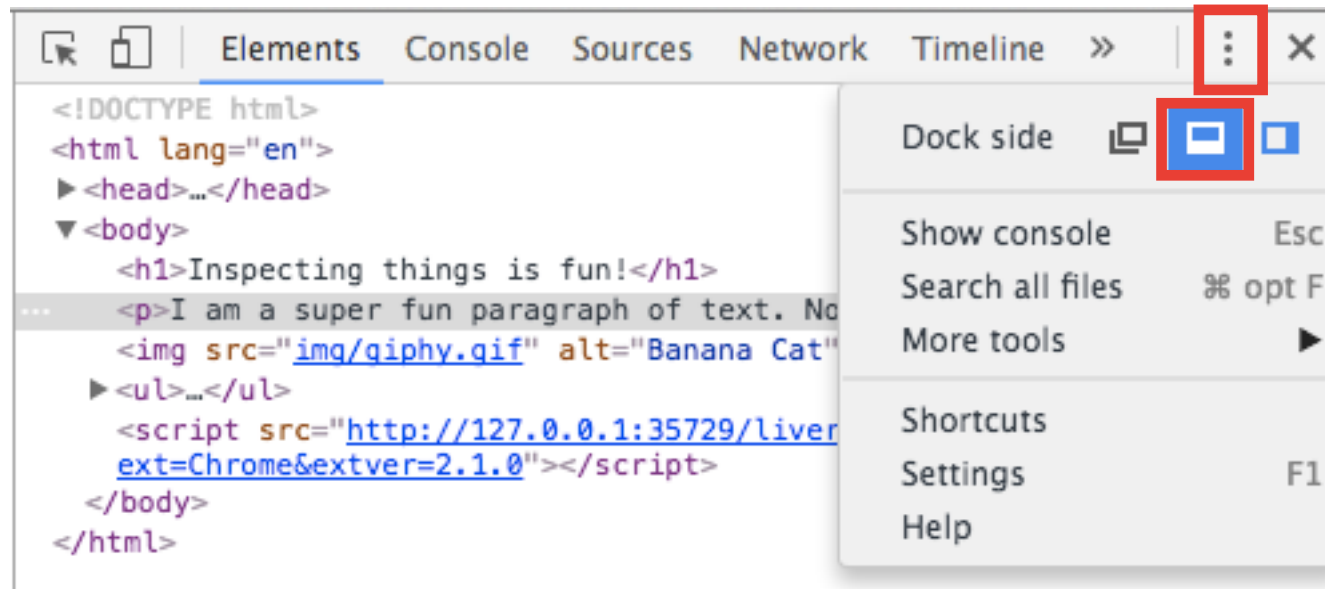
LET'S USE THE INSPECTOR!

There are several ways to open Chrome dev tools:

- ▶ Right click on an element and click "inspect"
- ▶ In Chrome, go to view > developer > Developer Tools
- ▶ Keyboard shortcut: Mac: *Cmd + Opt + I* Windows: *F12, Ctrl + Shift + I*

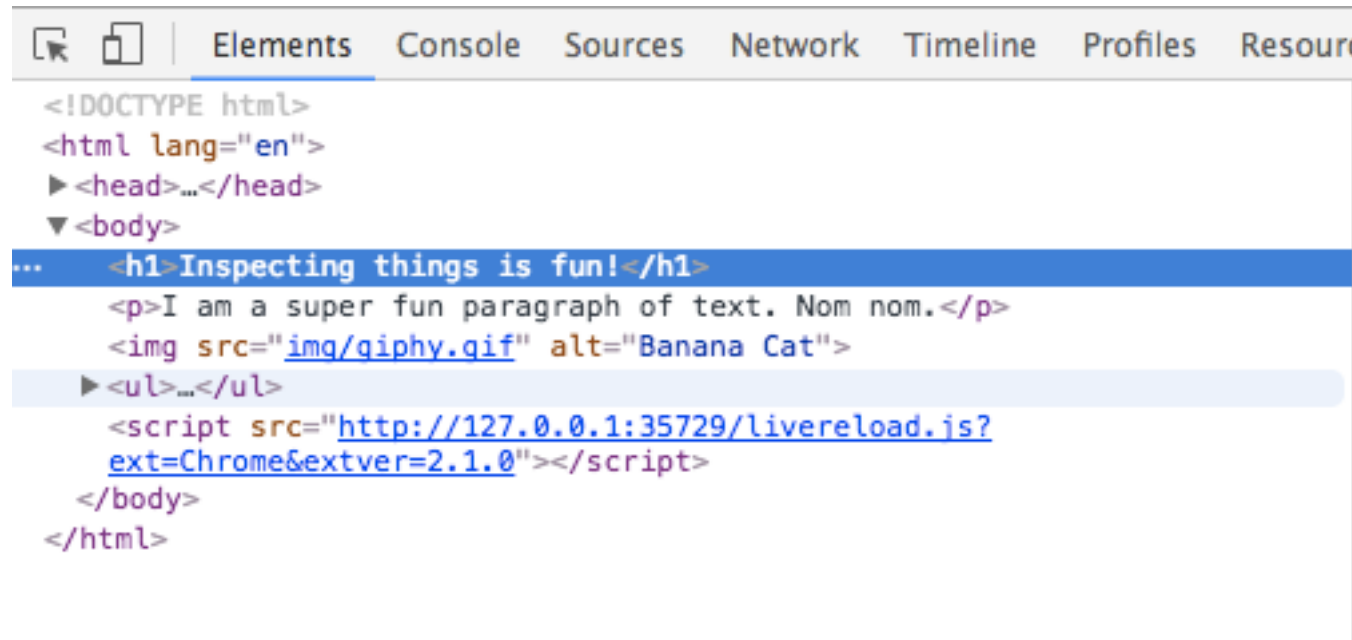
DOCK LOCATION

I find it easiest to move the dock to the bottom of the window.



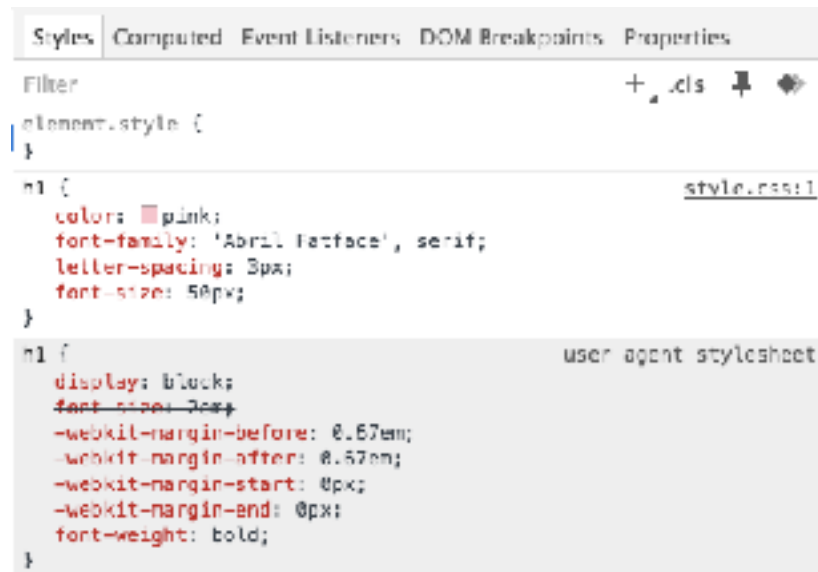
PICKING AN ELEMENT

Choose an element to inspect by clicking on the element in the "Elements" tab



SEEING STYLES AND EXPERIMENTING

You can see what styles you've added (and default styles added by the browser) to the element in the "styles" panel.



You can also experiment here!

```
✓ color: pink;
✓ font-family: 'Abril Fatface', serif;
✓ letter-spacing: 3px;
  font-size: 100px;
}
```

FINAL RENDERED STYLES AND DIMENSION

In the "computed" tab you can see all the styles that are being rendered on screen for an element. You can also see dimensions for an element including width, height, padding, margin and border.

StylesComputedEvent ListenersDOM BreakpointsProperties

margin67borderpadding932 x 270

FilterShow all

▶colorrgb(255, 192, 203)

▶displayblock

▶font-family'Abril Fatface', serif

▶font-size100px

▶font-weightbold

height270px

▶letter-spacing3px

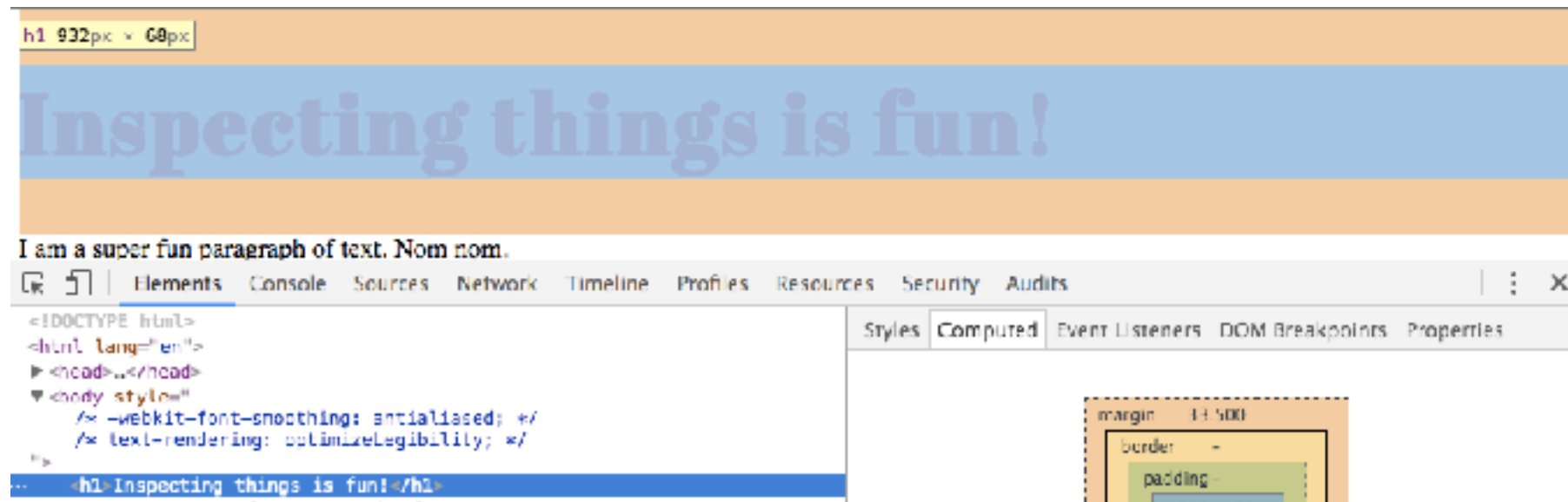
width932px

Rendered Fonts

Abril Fatface — 24 glyphs

VISUALIZING DIMENSIONS

One of the things I find most helpful when working through layout issues is to hover over different elements and see where everything is.



Orange: margin

Green: padding

Also notice width and height in a little yellow box by the element

LET'S USE THE INSPECTOR!



EXERCISE

LOCATION

▶ `starter_code_lesson_5 > inspect_element`

LAB SESSION

8 min

1. What color is the h1? Can you find the rgb value?
2. What is the width and height of the h1? How much margin does it have on each side?
3. Hover over the h1 to visualize these dimensions.
4. What is the margin-top of the p element? Margin-bottom? Are these styles added in our stylesheet or default styles given by the browser (in the user agent stylesheet)
5. What is the background-color for each li? How much padding and margin does each li have?
6. Hover over an li to visualize these dimensions.
7. What is the width/height of the img?

INSPECT ELEMENT



To access the elements panel (in Chrome): Right click > Inspect Element

CSS SELECTORS

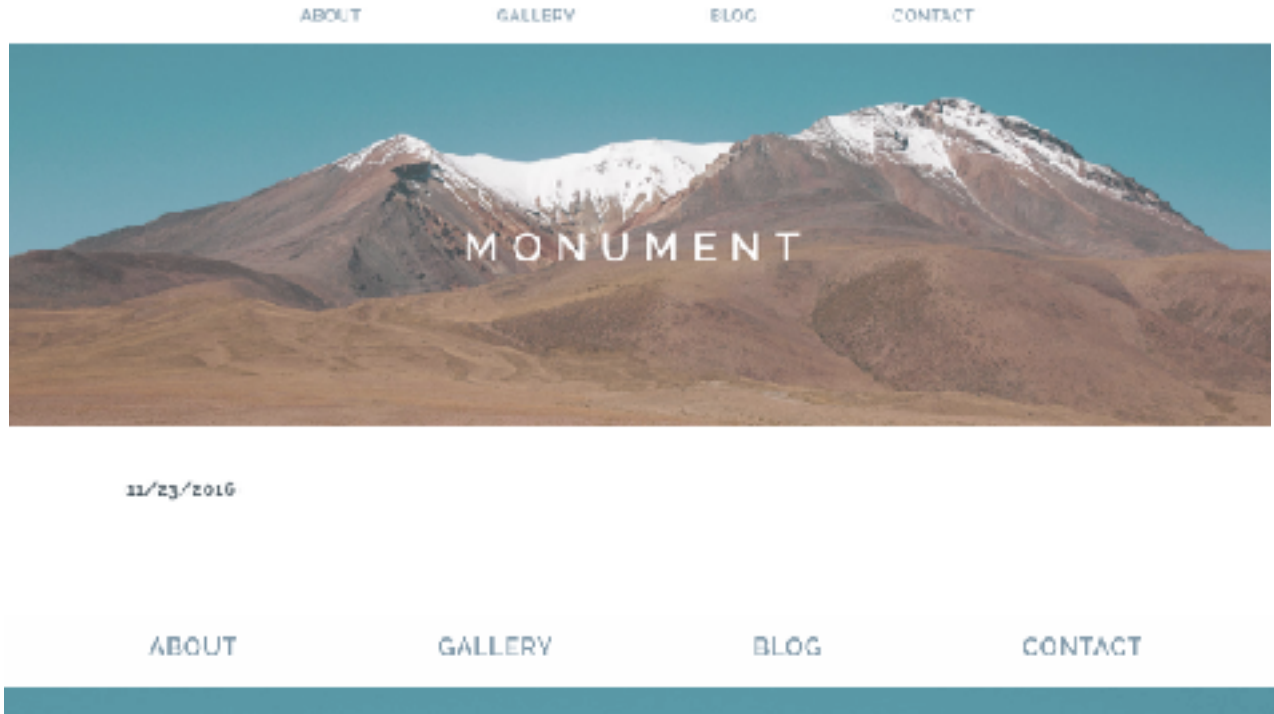
MONUMENT MAGAZINE

OVERVIEW

Congratulations! You have been hired as the developer for Monument Lifestyle Magazine. You are working closely with a designer and have been provided design mockups for the website. Your goal is to replicate these mockups as closely as possible.

You will be adding components to the blog page in the labs/ homework this week and will be working on building the landing page for the site during the lab sessions next week.

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ACTIVITY – DON'T FORGET YOUR HANDOUT!

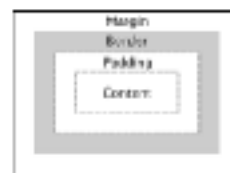


ADVANCED CSS

SELECTORS:

TYPE	<code>*</code>
DESCENDANT	<code>selector selector</code>
UNIVERSAL	<code>*</code>
MULTIPLE	<code>selector, selector</code>
DIRECT CHILD	<code>selector > selector</code>
ADJACENT SIBLING	<code>selector + selector</code>
GENERAL SIBLING	<code>selector ~ selector</code>

BOX MODEL:



CLASSES AND IDS:

ID: This is unique

```
HTML: <div id="about"></div> CSS: #about {}
```

Class: This can group elements

```
HTML: <div class="first-class second-class"></div> CSS: .first-class {}
```

CSS:

<code>margin</code> (vertical)	<code>margin-top</code> <code>margin-right</code> <code>margin-bottom</code> <code>margin-left</code>	<code>border</code> <code>border-top</code> <code>border-right</code> <code>border-bottom</code> <code>border-left</code>	<code>background-color</code> <code>border: 2px solid black;</code> <code>border-top: 2px solid black;</code> <code>border-right: 2px solid black;</code>
<code>padding</code> (vertical)	<code>padding-top</code> <code>padding-right</code> <code>padding-bottom</code> <code>padding-left</code>	<code>width</code> <code>width: 200px;</code>	<code>padding</code> <code>padding: 10px;</code> <code>padding-top: 10px;</code>

ACTIVITY – KEEP THE INSPECT ELEMENT PANEL OPEN AT ALL TIMES!



To access the elements panel (in Chrome): Right click > Inspect Element

ACTIVITY



EXERCISE

KEY OBJECTIVE

- ▶ Recreate the Monument Magazine site, using monument_blog.png as a reference

TASKS

1. Look through the provided markup and note new elements (article, aside, footer, nav). We'll be covering these next lesson, but look them up if you're wondering what they are used for.
2. Add a webfont (fonts/weights are listed in monument_blog.png)
3. Add styles! Start general and only get more specific when you need to. **You should not need to add any classes/ids in blog.html.**
4. **Google and implement a background-image in the header**
5. **Bonus 1:** Google and implement social icons in the footer using FontAwesome (image supplied)
6. **Bonus 2:** Add a hover effect to links

CSS SELECTORS

LEARNING OBJECTIVES

- Describe inheritance in CSS.
- Add classes and ids to HTML elements and apply CSS styles to elements based on class and id.
- Explain when you would use a class and when you would use an id.
- Apply CSS to elements based on their relationships.

WEEKLY OVERVIEW

WEEK 1

HTML Basics / CSS Basics

WEEK 2

CSS Selectors / Layout

WEEK 3

Lab / Refactor & Lab

NEXT CLASS:



00000000

A VISUAL GUIDE TO THE SOUTHWEST

[illegible][illegible]

ABOUT US

Lexis ipsa dolere potest,
confecta adspiciens hic, Verum
fugit illa nec quod incidit
accusare cupit, sed hic talis
ex illa est, accusamus, dolere
debent ut loqui non possint

Explicit connectitur tempore
participio et adverbio tempore,
corpora et prout quibusque
eventus: ita ut nominibus etiam ad
adjectiva, eorumque participia
descriptis sententia est: Insuper
expressa assumuntur, namque
exceptum et subagendum Explicit.



RECENT ISSUES

- June Nineteen – Emerging
- June Eighteen – Peak
- June Twentieth – Dip
- June Nineteen – Ebb
- June Twenty – Ebb
- June Twenty – Ebb

EXIT TICKETS!