START SCREENCAST!!!

LET'S GET EVERYTHING SET UP!

1. Navigate to the FEWD 47 Dashboard (saraheholden.com/fewd47) and download the Lesson 3 starter code and slides. You'll want to keep the dashboard 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 on your desktop.
3. Double-click on starter_code_lesson_3.zip to unzip it
4. After you've unzipped, be sure to delete the original .zip file!
5. Open the entire **fewd** folder with Sublime Text (either drag and drop the folder on the Sublime icon in the dock on Mac, or open Sublime and go to file > open… and select the **fewd** folder.
6. Log in to the FEWD 47 Slack (fewd47.slack.com) and join the class 3 channel.

SNACK CALENDAR

SIGN UP HERE

WEEKLY OVERVIEW

WEEK 1	HTML Basics
WEEK 2	CSS Basics / CSS Box Model
WEEK 3	CSS Layout / Lab

TODAY'S LAB:

On the Road

The Adventure of a Lifetime

Blog Events Snapshots Store Contact About

11/12/15

Camping by Loon Lake

Cray culpa stumptown, flexitarian ex Odd Future do fugiat Wes Anderson proident 3 wolf moon officia bitters small batch. Et consequat do, nulla you probably haven't heard of them High Life scenester. Vinyl fugiat High Life, kogi do VHS in aliqua lo-fi leggings gentrify Neutra tumblr. Odio vegan PBR, Marfa forage blue bottle try-hard readymade meggings retro delectus Echo Park. Ugh consectetur farm-to-table forage, laboris blue bottle McSweeney's tattooed excepteur yr. Magna ut Schlitz flexitarian, vinyl craft beer proident yr forage 8-bit ethical sustainable placeat retro. Officia pickled beard, adipisicing gluten-free sint craft beer quis thundercats id 3 wolf moon fashion axe.

Continues...

11/11/15

A Morning Hike in Big Sur

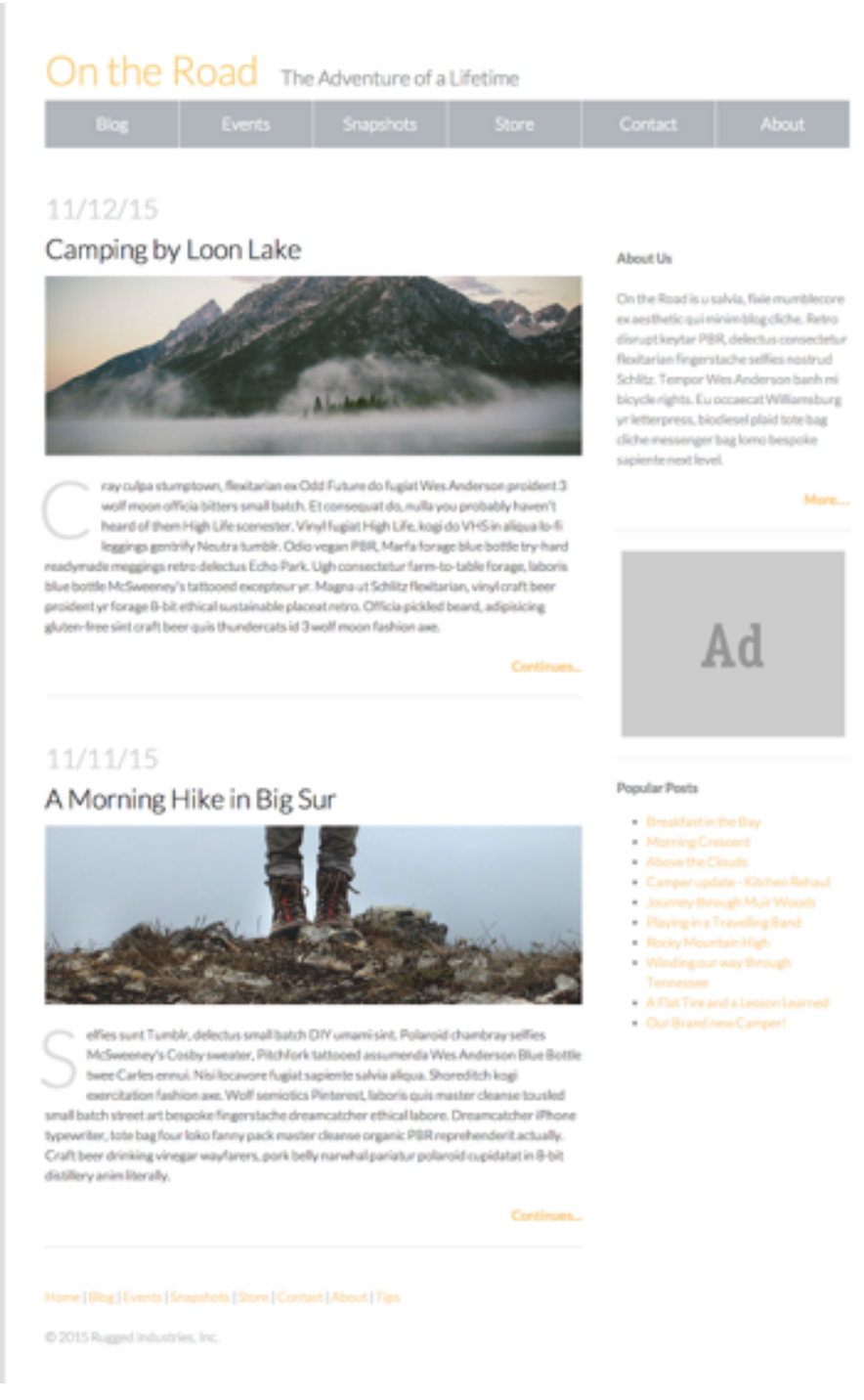
Selfies sunt Tumblr, delectus small batch DIY umami sint. Polaroid chambray selfies McSweeney's Cosby sweater, Pitchfork tattooed assumenda Wes Anderson Blue Bottle twee Carles ennui. Nisi locavore fugiat sapiente salvia aliqua. Shoreditch kogi exercitation fashion axe. Wolf semiotics Pinterest, laboris quis master cleanse tousled small batch street art bespoke fingerstache dreamcatcher ethical labore. Dreamcatcher iPhone typewriter, tote bag four loko fanny pack master cleanse organic PBR reprehenderit actually. Craft beer drinking vinegar wayfarers, pork belly narwhal pariatur polaroid cupidatat in 8-bit distillery anim literally.

Continues...

Home | Blog | Events | Snapshots | Store | Contact | About | Tips

© 2015 Rugged Industries, Inc.

CLASS 4 LAB:



On the Road The Adventure of a Lifetime

Blog | Events | Snapshots | Store | Contact | About

11/12/15

Camping by Loon Lake

Cray culpa stumptown, flexitarian ex Odd Future do fugiat Wes Anderson proident 3 wolf moon officia bitters small batch. Et consequat do, nulla you probably haven't heard of them High Life scenester. Vinyl fugiat High Life, kogi do VHS in aliqua lo-fi leggings gentrify Neutra tumblr. Odio vegan PBR, Marfa forage blue bottle try-hard readymade meggings retro delectus Echo Park. Ugh consectetur farm-to-table forage, laboris blue bottle McSweeney's tattooed excepteur yr. Magna ut Schlitz flexitarian, vinyl craft beer proident yr forage 8-bit ethical sustainable placeat retro. Officia pickled beard, adipisicing gluten-free sint craft beer quis thundercats id 3 wolf moon fashion axe.

Continues...

11/11/15

A Morning Hike in Big Sur

Selfies sunt Tumblr, delectus small batch DIY umami sint, Polaroid chambray selfies McSweeney's Cosby sweater, Pitchfork tattooed assumenda Wes Anderson Blue Bottle twee Carles ennui. Nisi locavore fugiat sapiente salvia aliqua. Shoreditch kogi exercitation fashion axe. Wolf semiotics Pinterest, laboris quis master cleanse tousled small batch street art bespoke fingerstache dreamcatcher ethical labore. Dreamcatcher iPhone typewriter, tote bag four loko fanny pack master cleanse organic PBR reprehenderit actually. Craft beer drinking vinegar wayfarers, pork belly narwhal pariatur polaroid cupidatat in 8-bit distillery anim literally.

Continues...

Home | Blog | Events | Snapshots | Store | Contact | About | Tips

© 2015 Rugged Industries, Inc.

About Us

On the Road is u salvia, fixie mumblecore ex aesthetic qui minim blog cliche. Retro disrupt keytar PBR, delectus consectetur flexitarian fingerstache selfies nostrud Schlitz. Tempor Wes Anderson banh mi bicycle rights. Eu occaecat Williamsburg yr letterpress, biodiesel plaid tote bag cliche messenger bag lomo bespoke sapiente next level.

More...

Ad

Popular Posts

- Breakfast in the Bay
- Morning Crescent
- Above the Clouds
- Camper update - Kitchen Rehaul
- Journey through Muir Woods
- Playing in a Travelling Band
- Rocky Mountain High
- Winding our way through Tennessee
- A Flat Tire and a Lesson Learned
- Our Brand new Camper!

LEARNING OBJECTIVES

- Use classes and IDs to target specific elements and apply CSS rules.
- Select nested elements to apply styling
- Apply and explain CSS “cascade” including specificity, importance and inheritance.
- Start taking control of page layout with margin, padding, and borders.

AGENDA

- Review
- CSS Cascading
  - Inheritance
  - Classes and Ids
  - Nested Selectors
  - Specificity
- Box Model
- Lab — Travel Blog

GENERAL ASSEMBLY

ADVANCED CSS

REVIEW

CSS SYNTAX

CSS SYNTAX

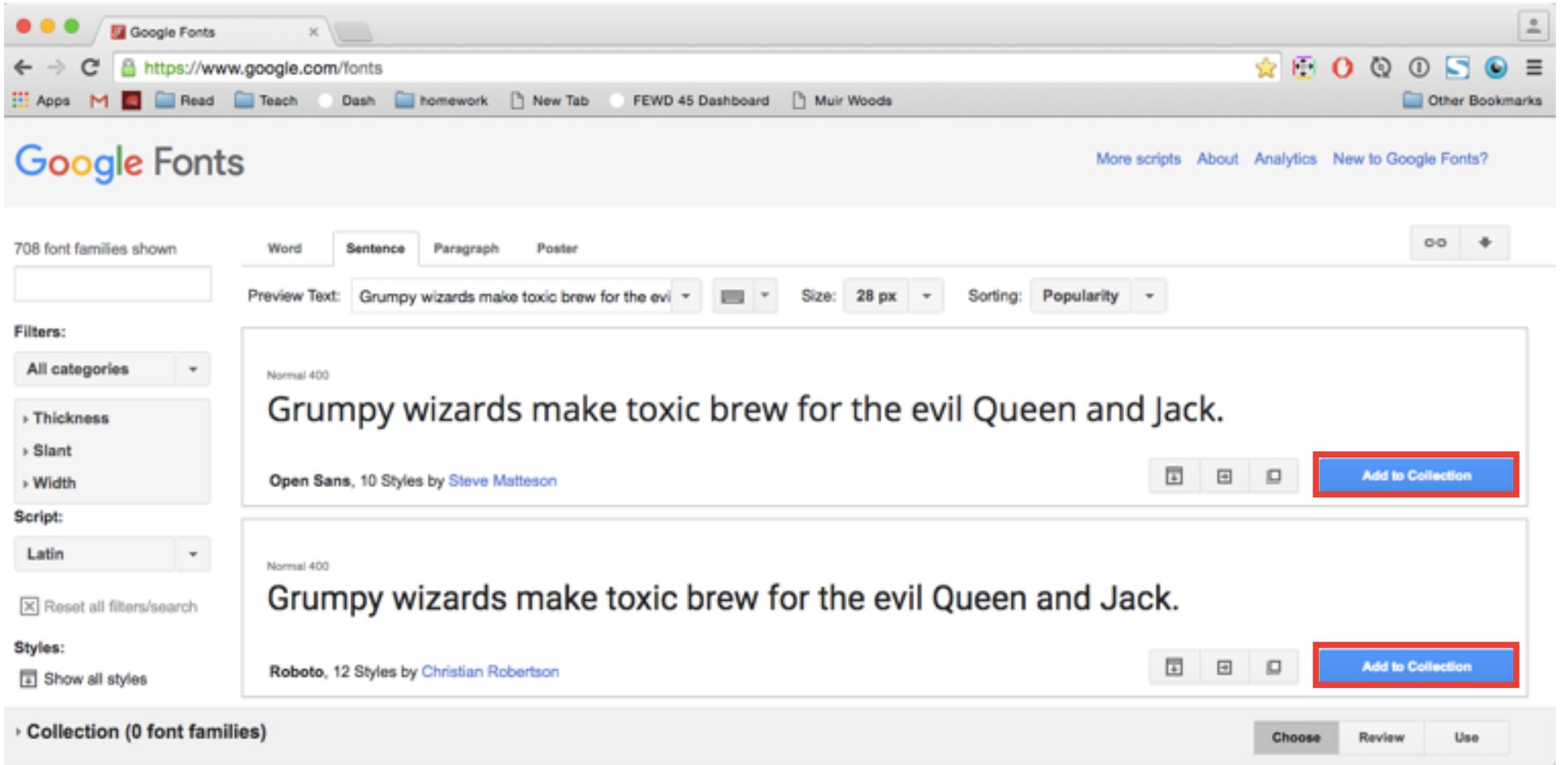
```
h1 {
    color: yellow;
    font-size: 16px;
}
```

Property

Value

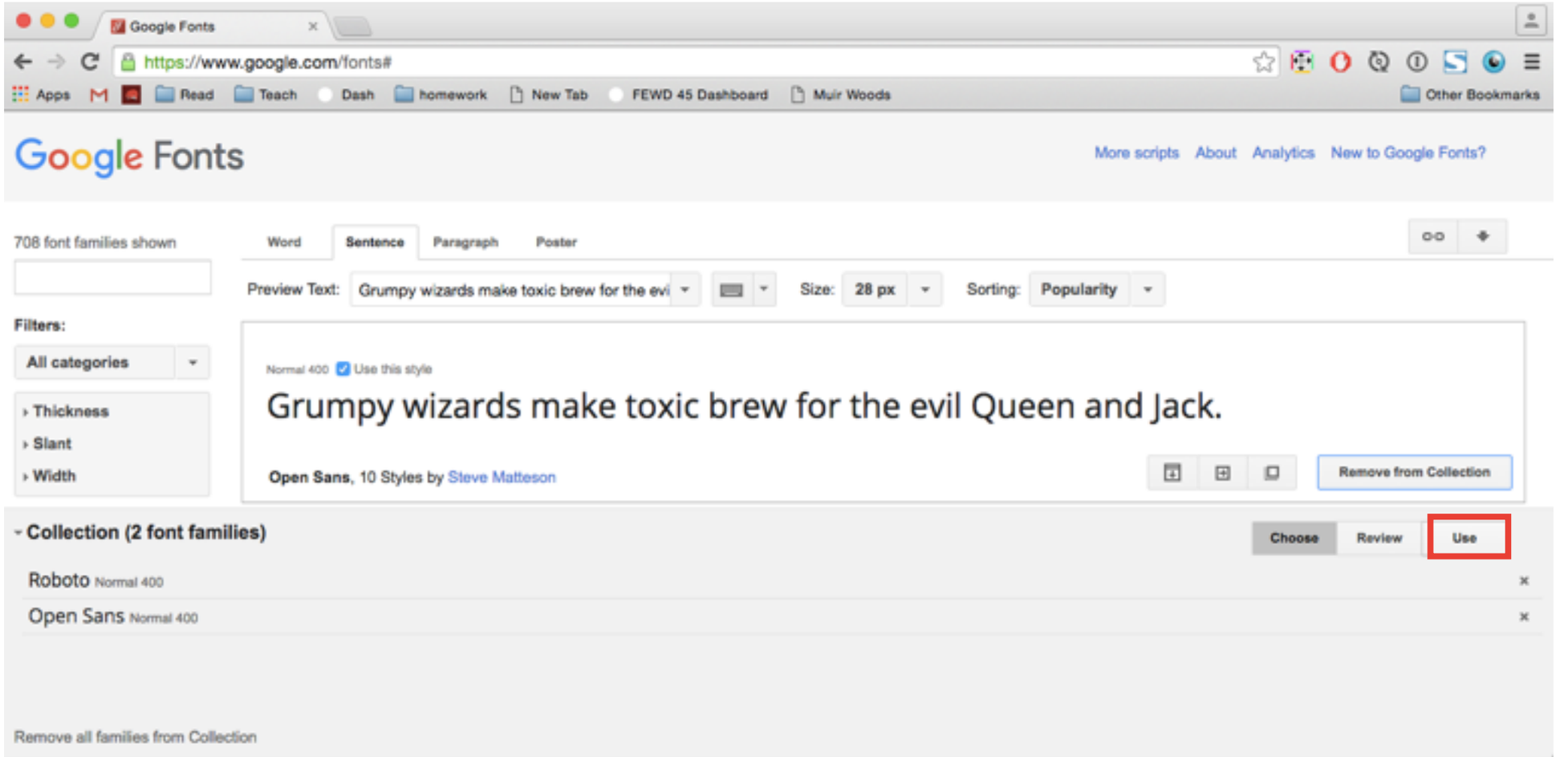
ADDING A WEBFONT

Find all the fonts you want to use, click "Add to Collection" for each font.



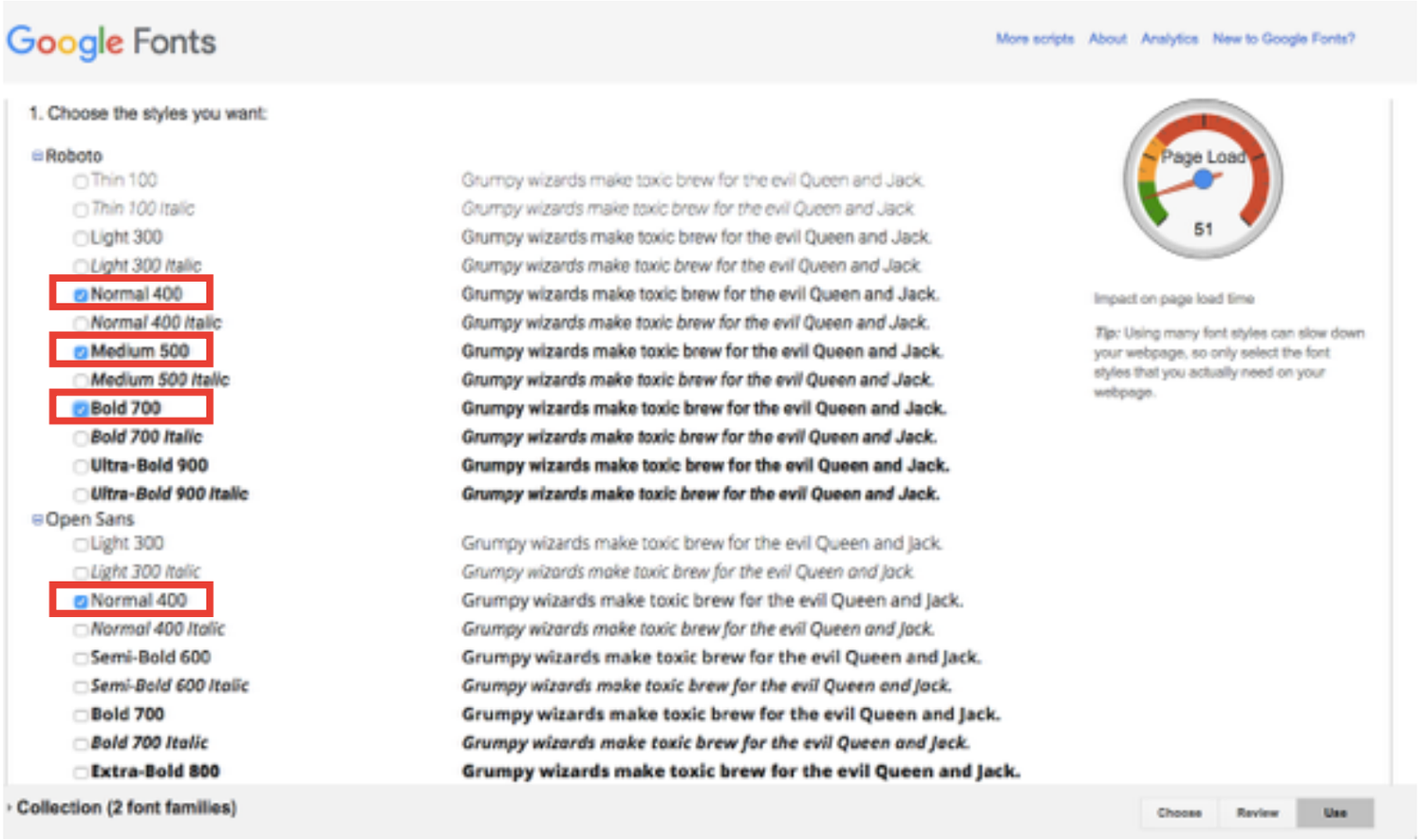
ADDING A WEBFONT

After you've finished selecting all the fonts you need, click "use"



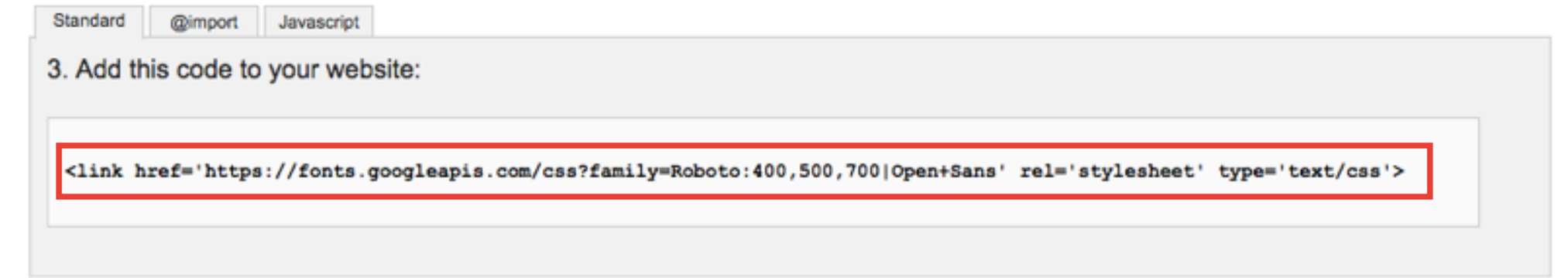
ADDING A WEBFONT

Choose the weights you want for each font.



ADDING A WEBFONT

Copy the code in step 3 and add it to the head of each html file.
Add the link right before the link to your CSS stylesheet.



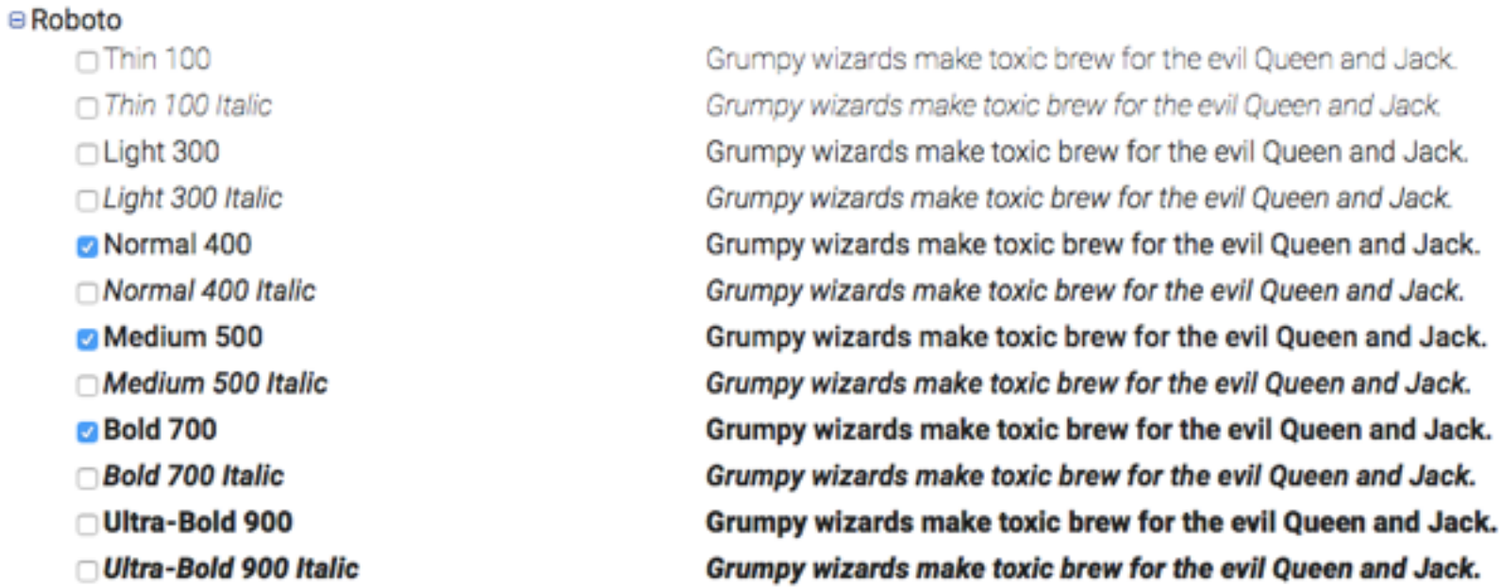
ADDING A WEBFONT

Now to use the font, in your CSS, you can use the name of the font (within quotes!!) for the font-family

```
font-family: 'Roboto', sans-serif;

font-family: 'Open Sans', sans-serif;
```

ADDING A WEBFONT

To change the font weight, you can use the font-weight property and set it to one of the weights you selected when you selected fonts.




```
h1 {
    font-family: 'Roboto', Arial, serif;
    font-weight: 400;
}
```

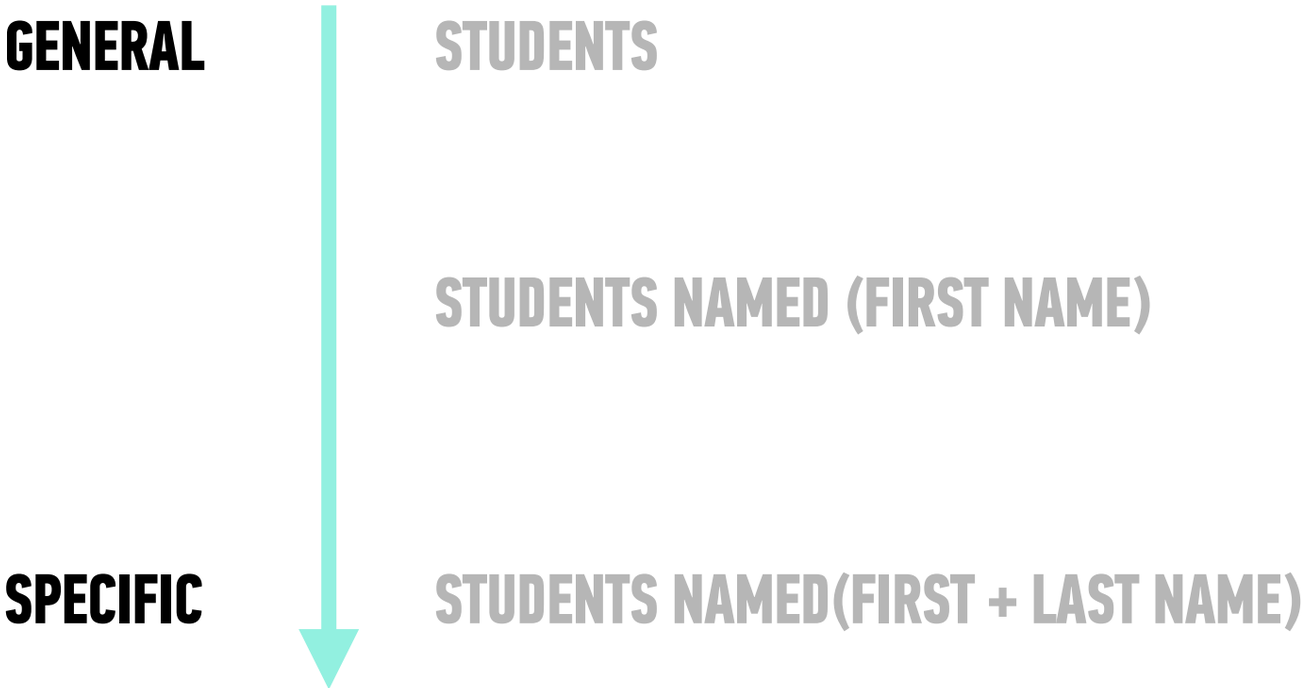
EXIT TICKET QUESTIONS

- Is there a website with all possible tags/styles for html and/or css?
- How to embed videos instead of images.
- How do I add my own font?
- Is there an indicator for not closing a css declaration with a semicolon similar to a tag in sublime text?

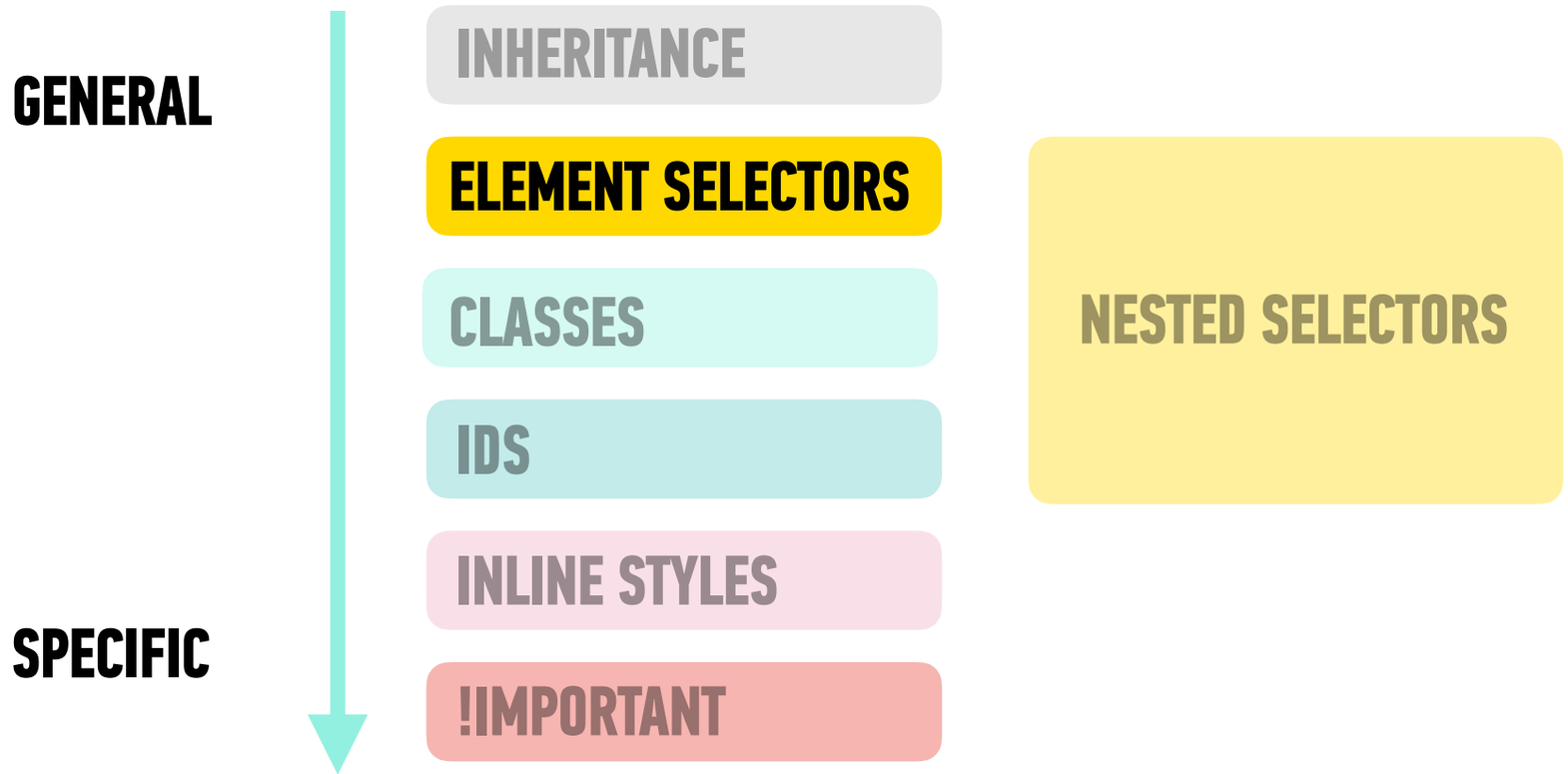
- How do I incorporate animations when hovering over an object? (Hint: Google *:hover* psuedo-class and the *transition* property).
- When will we find out what the final project is so we can start working on it?

LET'S CHAT ABOUT THE CASCADING NATURE OF CSS

MORE ABOUT CASCADING



MORE ABOUT CASCADING — GENERAL TO MORE SPECIFIC



INHERITANCE

INHERITANCE — SETTING BASE STYLES

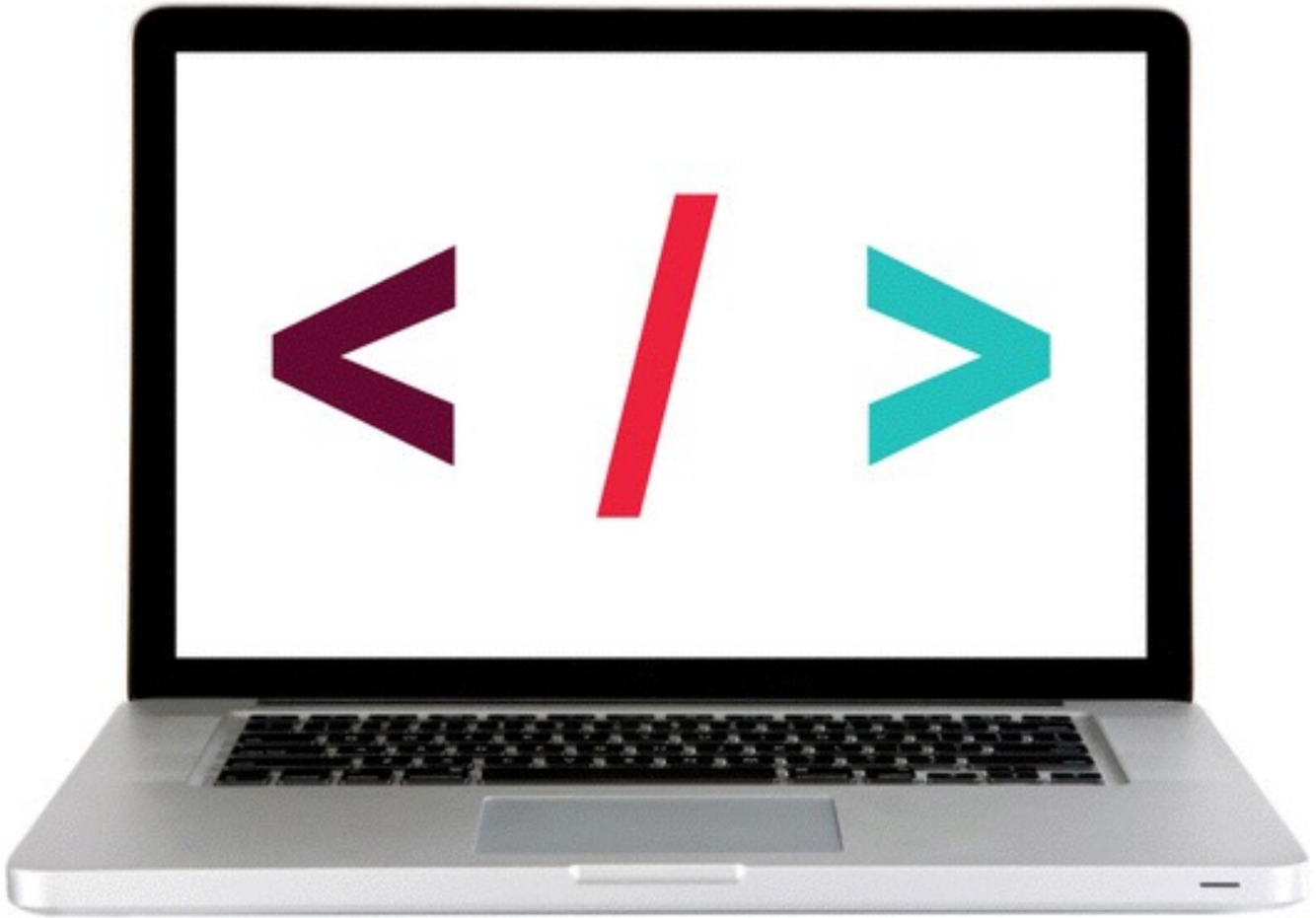
INHERITANCE — SETTING BASE STYLES

- 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:

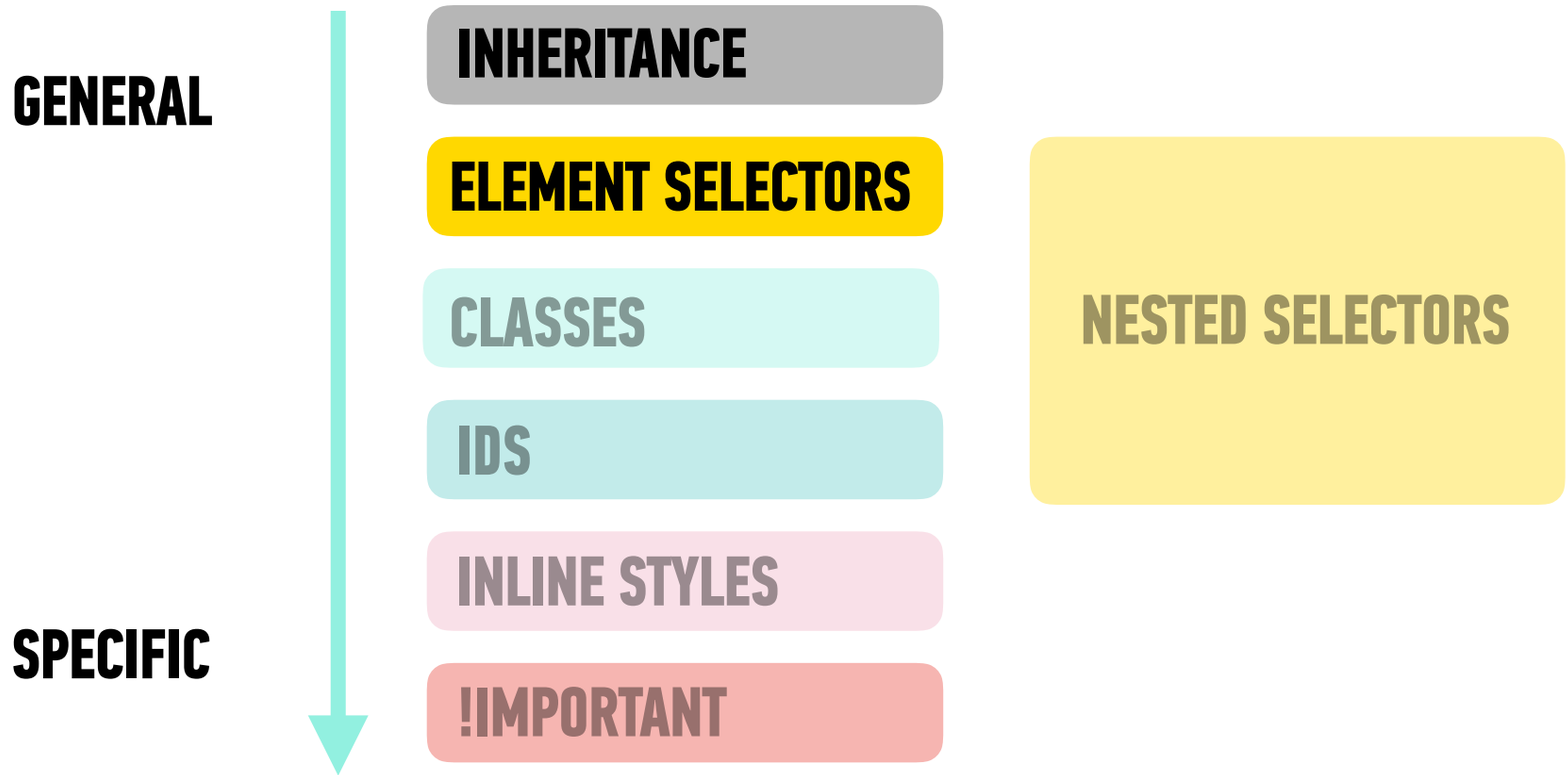
- color
- font-family
- font-size
- font-style
- font-weight
- letter-spacing
- line-height
- list-style
- text-align
- text-indent
- text-transform
- word-spacing

LET'S TAKE A CLOSER LOOK



MORE ABOUT CASCADING — GENERAL TO MORE SPECIFIC

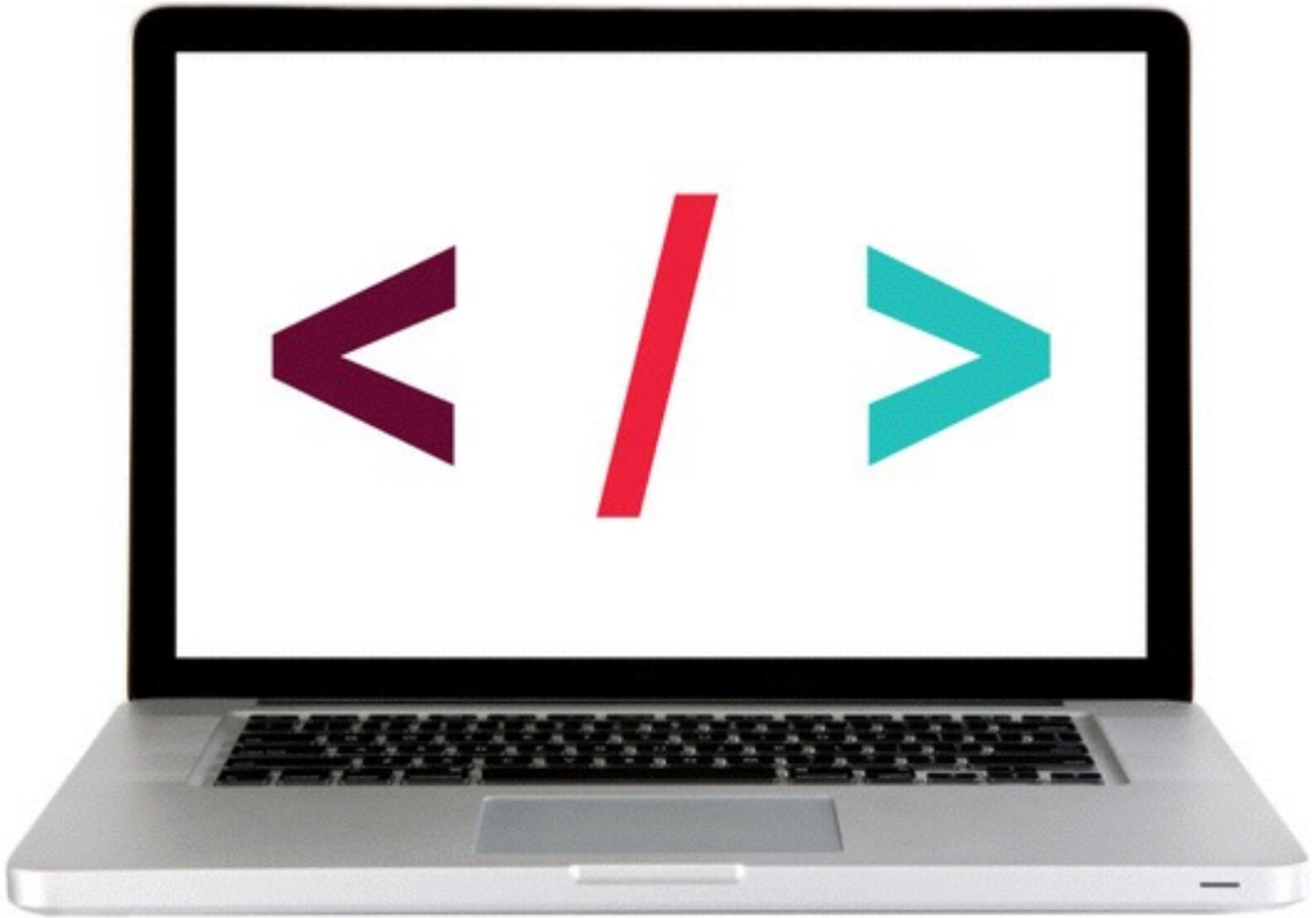
- CSS rules cascade downward until they are canceled out by another rule.



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

CLASSES AND IDS

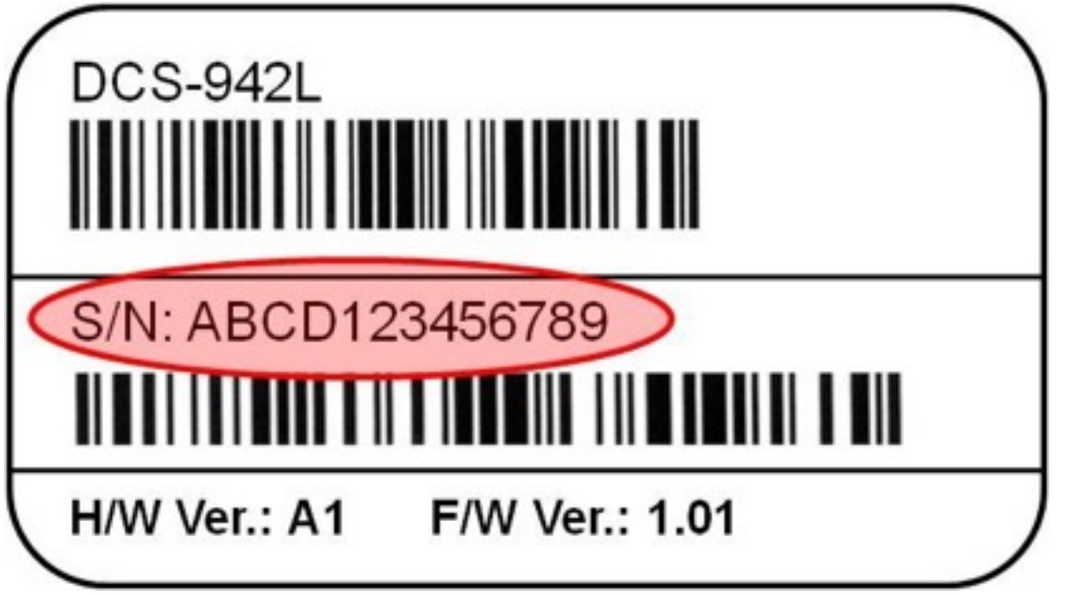
LET'S TAKE A CLOSER LOOK



TARGETING SPECIFIC ELEMENTS

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

TARGETING SPECIFIC ELEMENTS



CLASSES

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

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

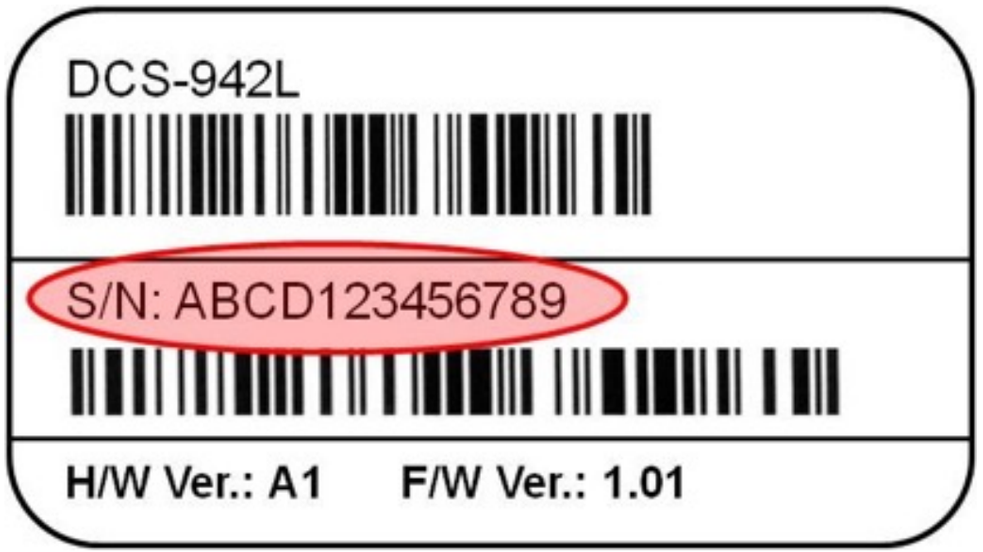
```
.emphasis {
    color: red;
    font-size: 20px;
}
```

IDS

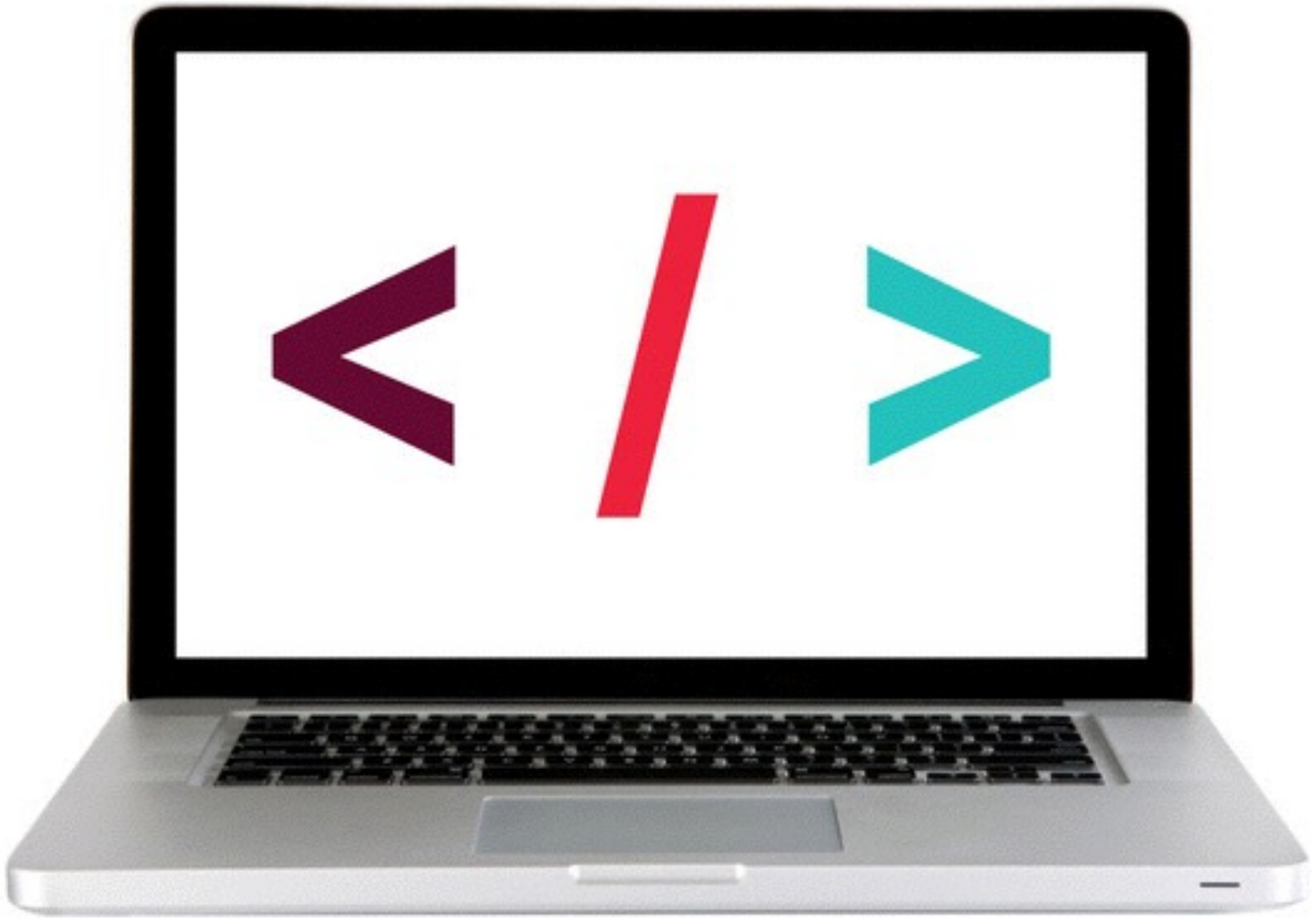
- Ids are used to target *one specific element*
- Each element can only have one id
- **Important**: two elements on the same page cannot have the same id

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

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

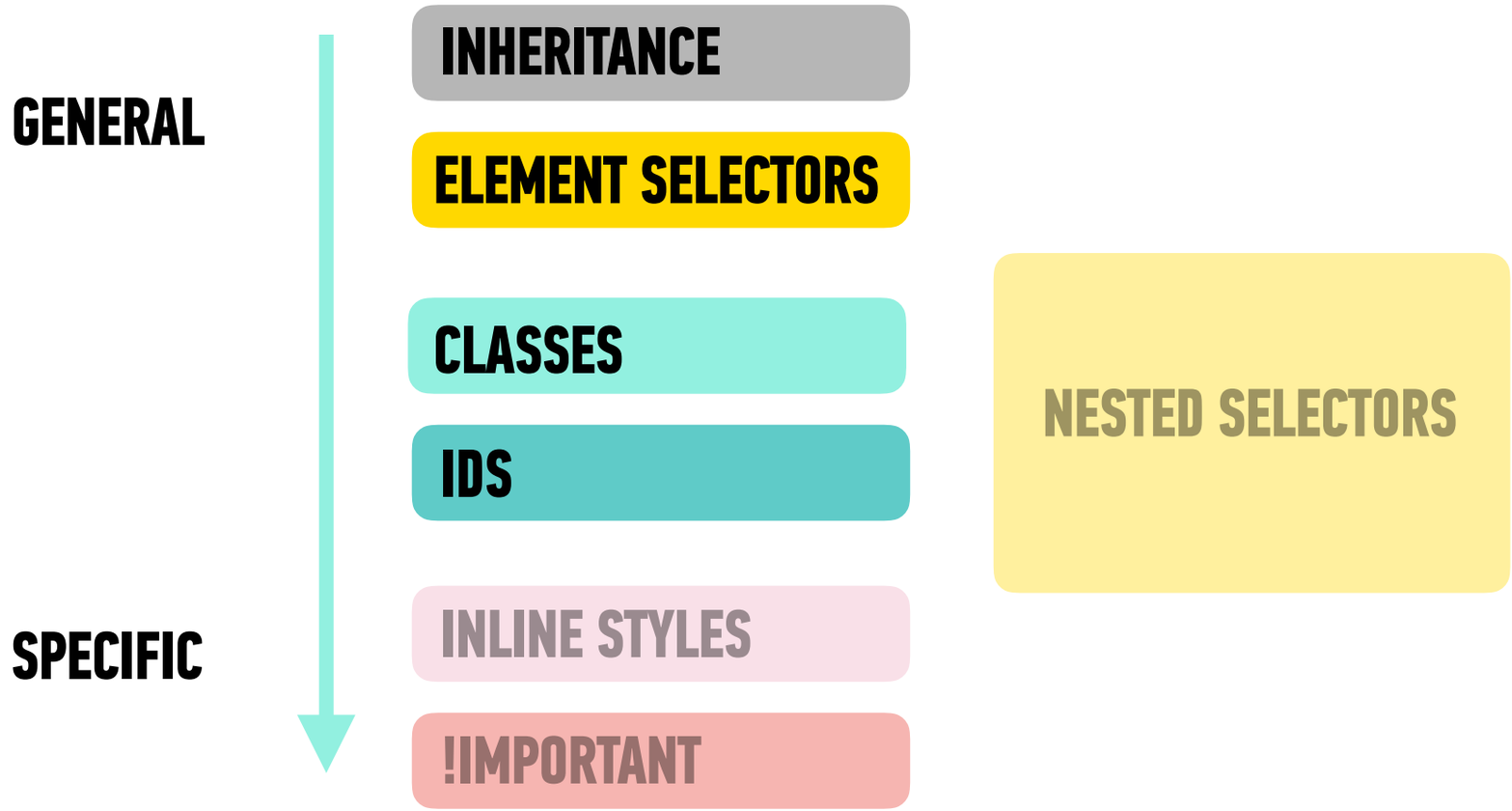


LET'S TAKE A CLOSER LOOK



MORE ABOUT CASCADING — GENERAL TO MORE SPECIFIC

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



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

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'

INLINE STYLES

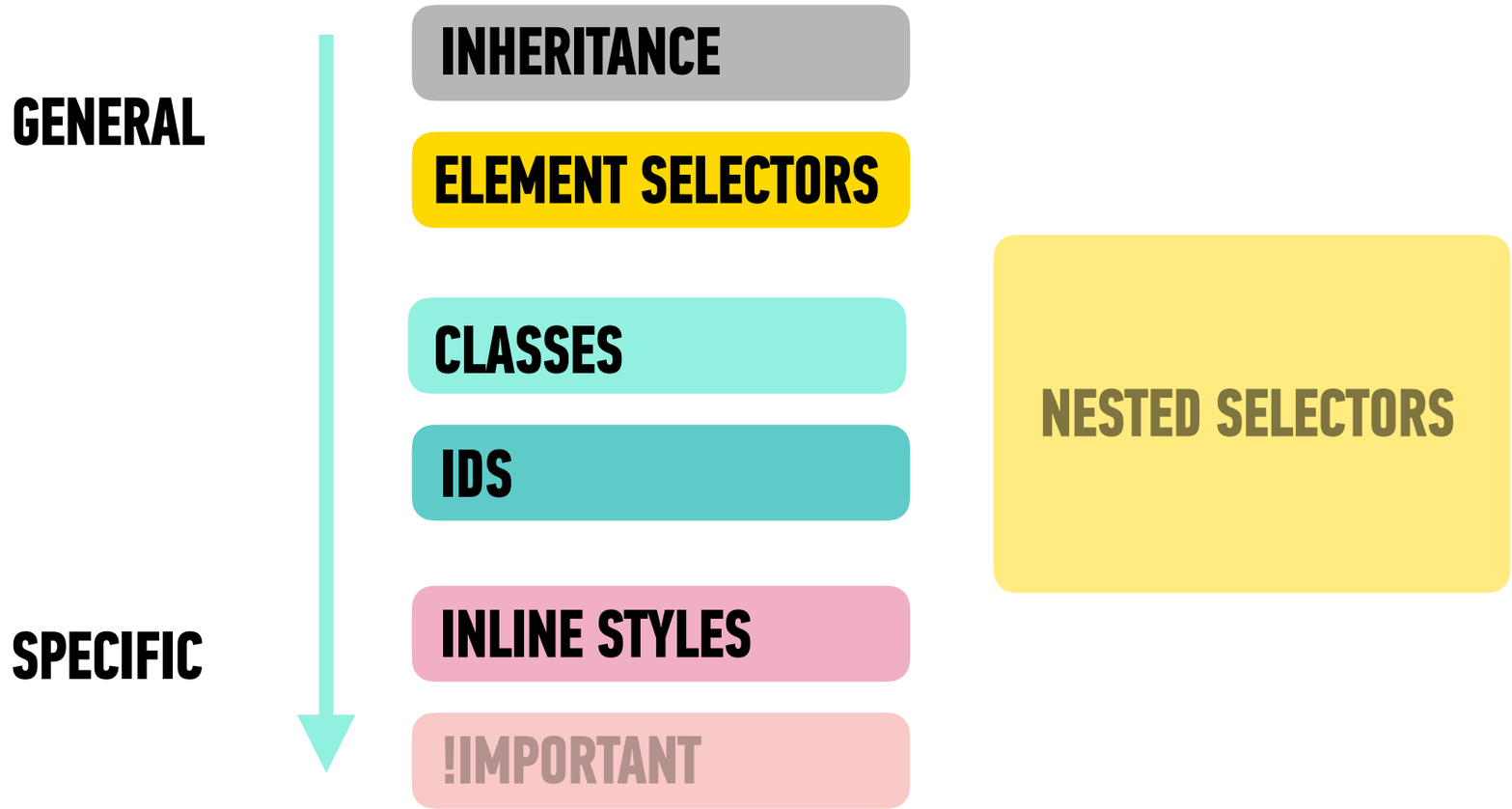
INLINE STYLES

```
<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.

IMPORTANCE

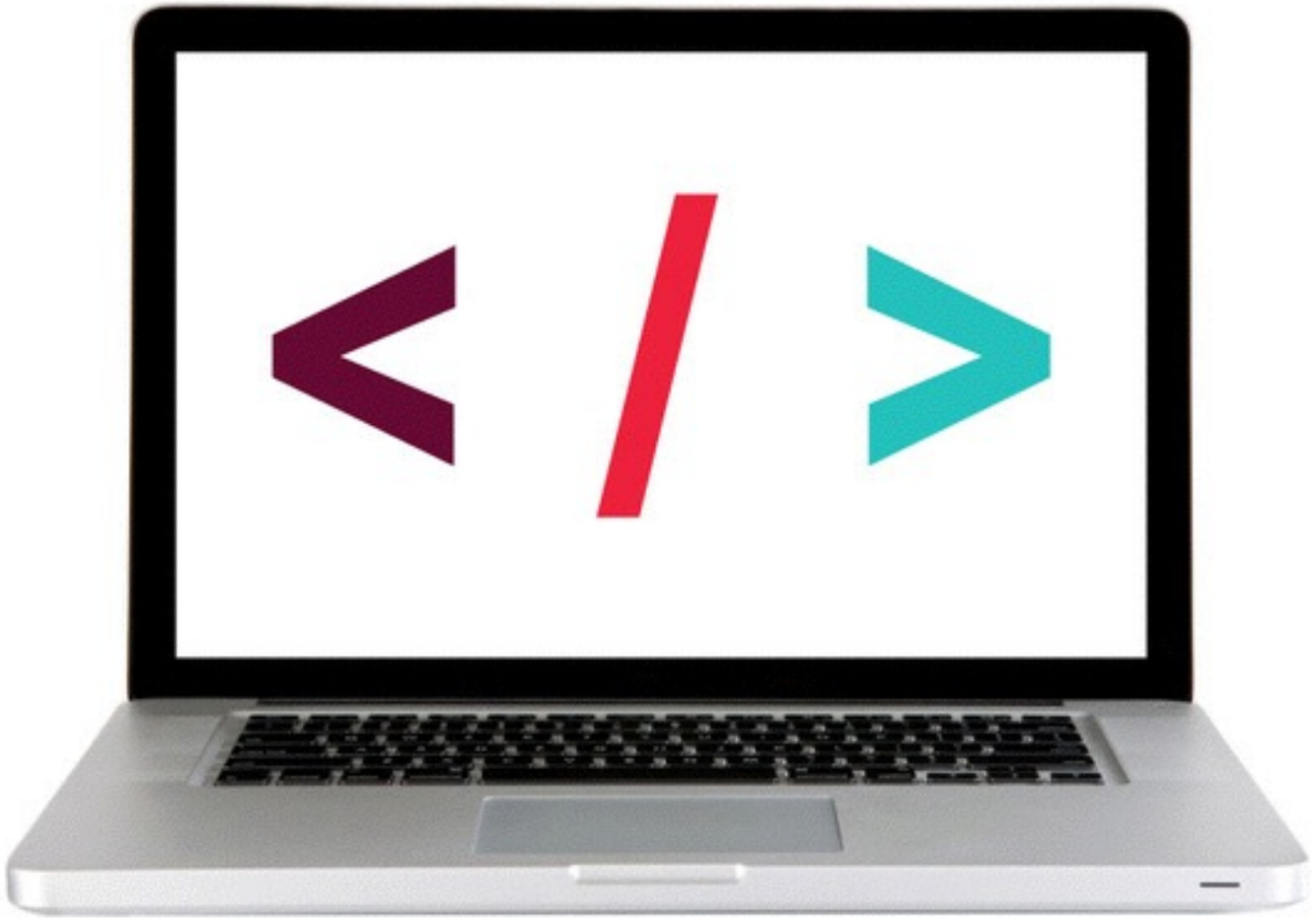
CSS IMPORTANCE

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;
}
```

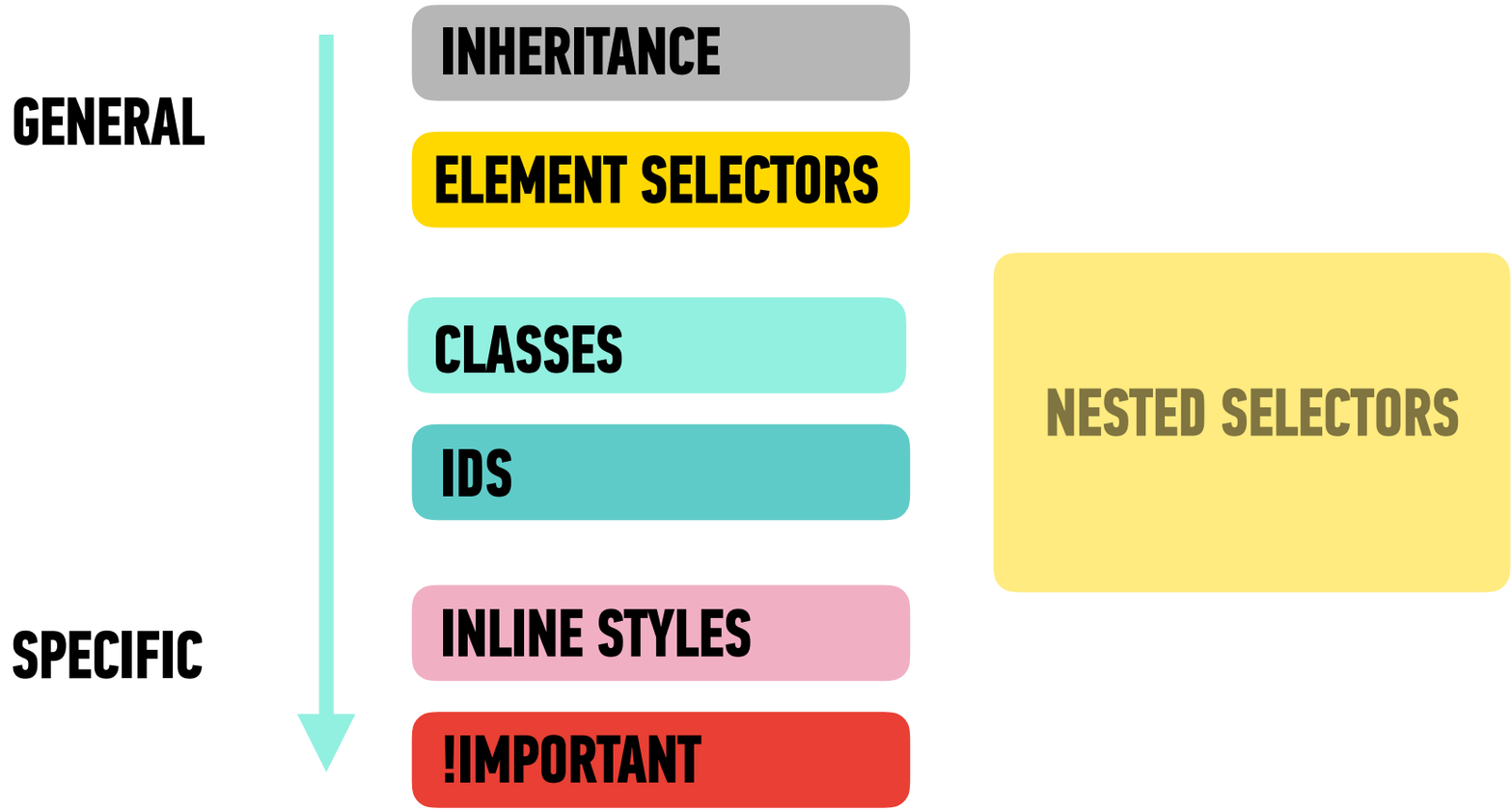
ONLY WHEN NECESSARY!!!

LET'S TAKE A CLOSER LOOK



MORE ABOUT CASCADING

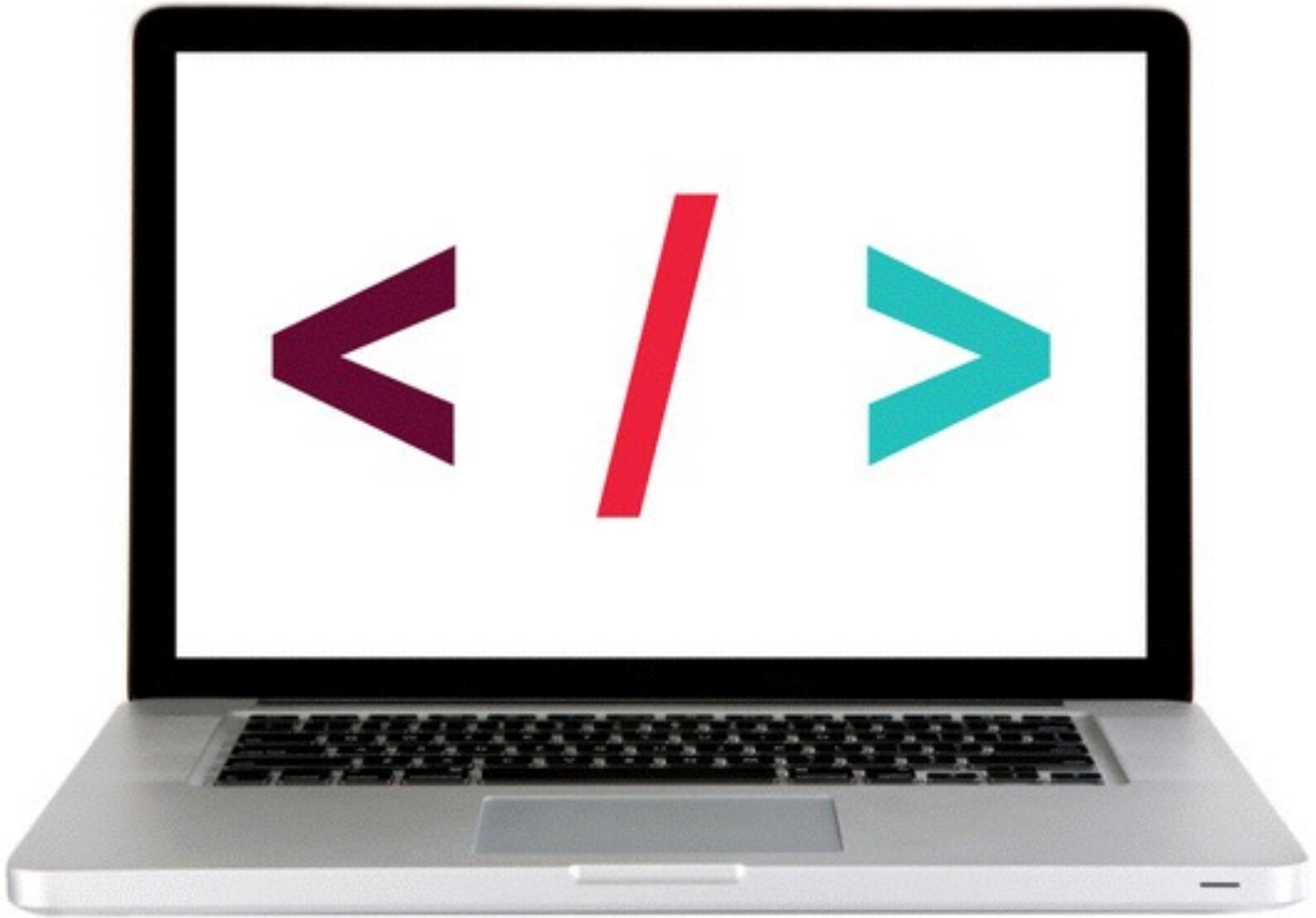
- CSS rules cascade downward until they are canceled out by another rule.



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

NESTED SELECTORS

LET'S TAKE A CLOSER LOOK



SELECTORS — MOST COMMON

SELECTOR:	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

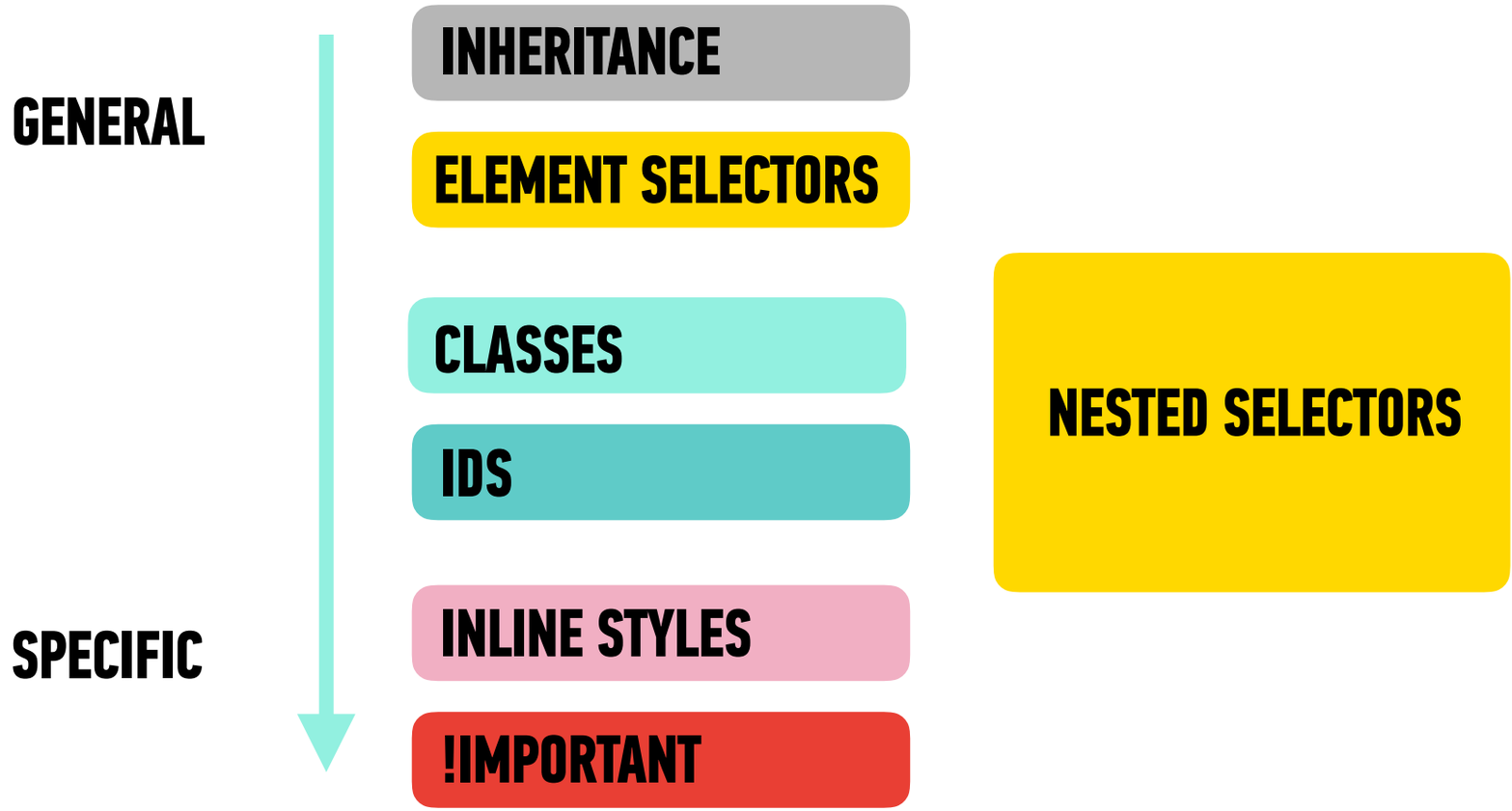
The last element in the selector string is always the one that we are styling

NESTED SELECTORS

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

MORE ABOUT CASCADING

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



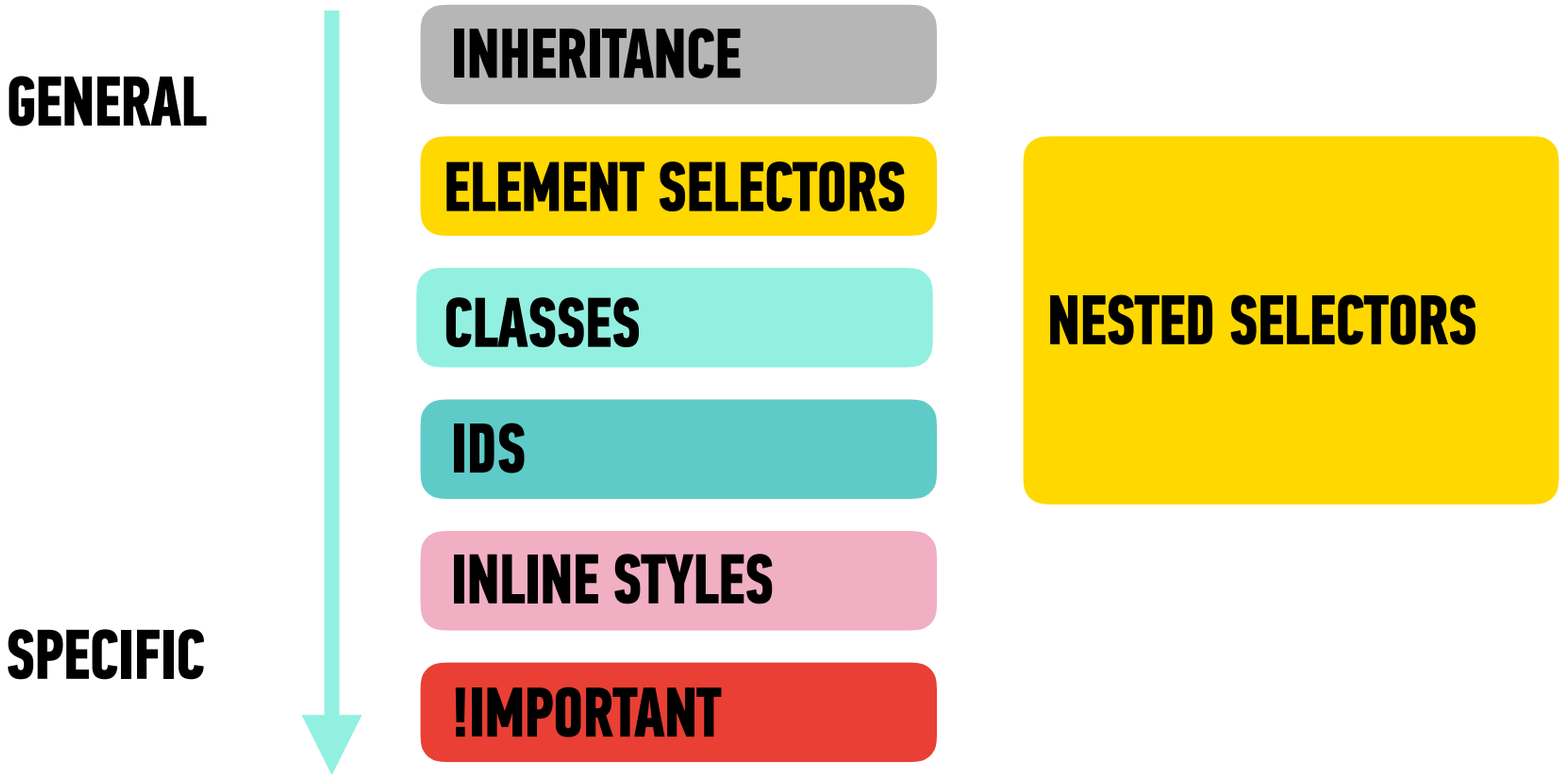
- CSS rules are able to override one another and cancel each other out, depending on their order.

SPECIFICITY GAME!!!

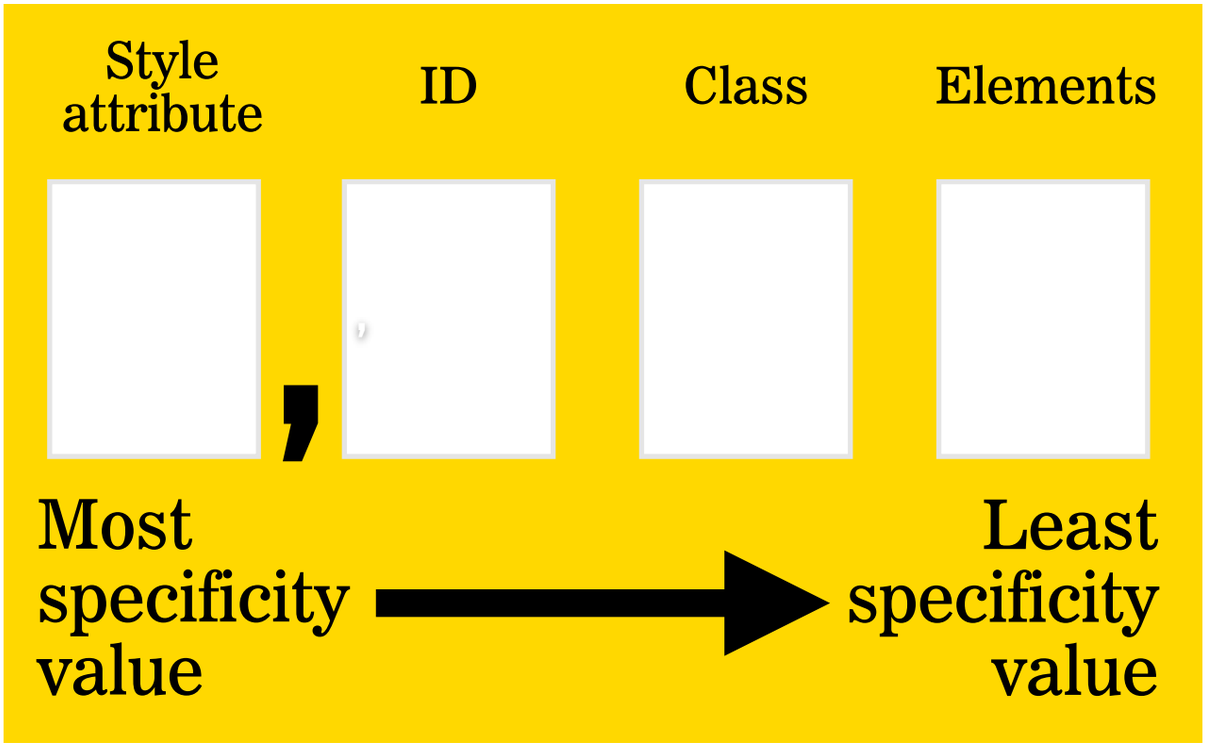
CONFLICT!! — WHEN TWO RULES APPLY TO THE SAME ELEMENT

SPECIFICITY:

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



THE SPECIFICITY GAME!



CSS CASCADING — THE SPECIFICITY GAME

HTML:

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

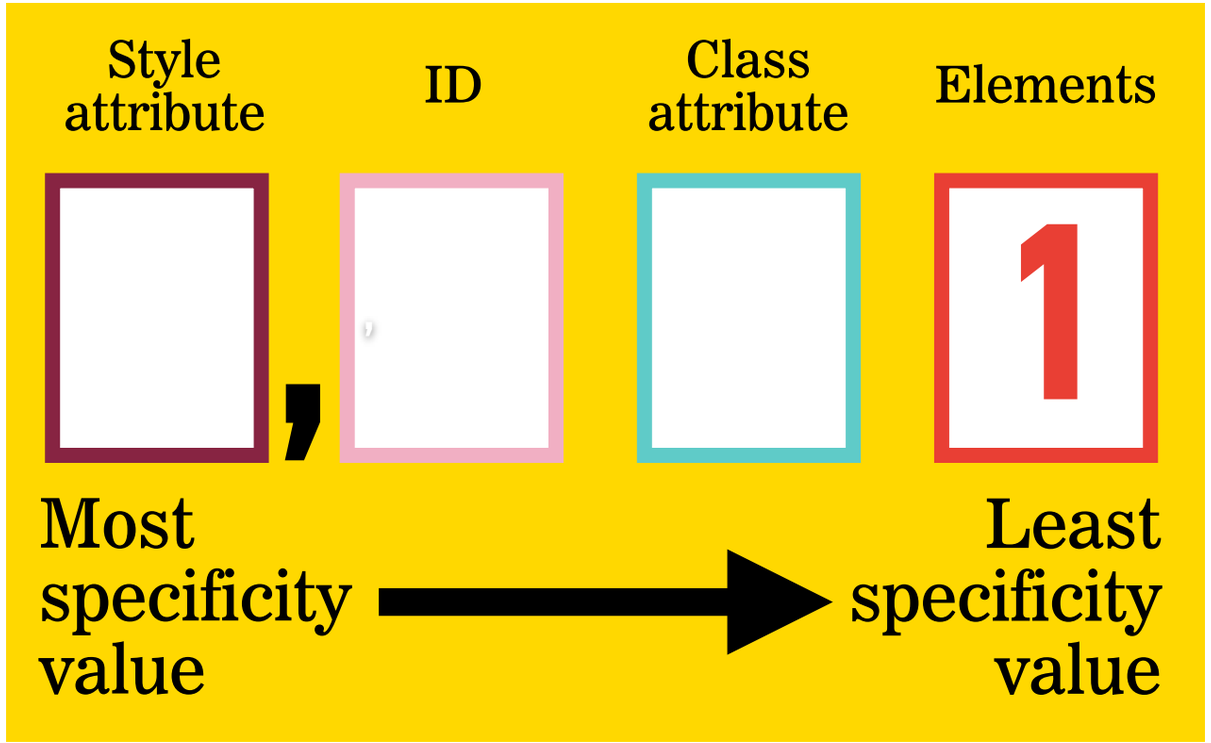
CSS:

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

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

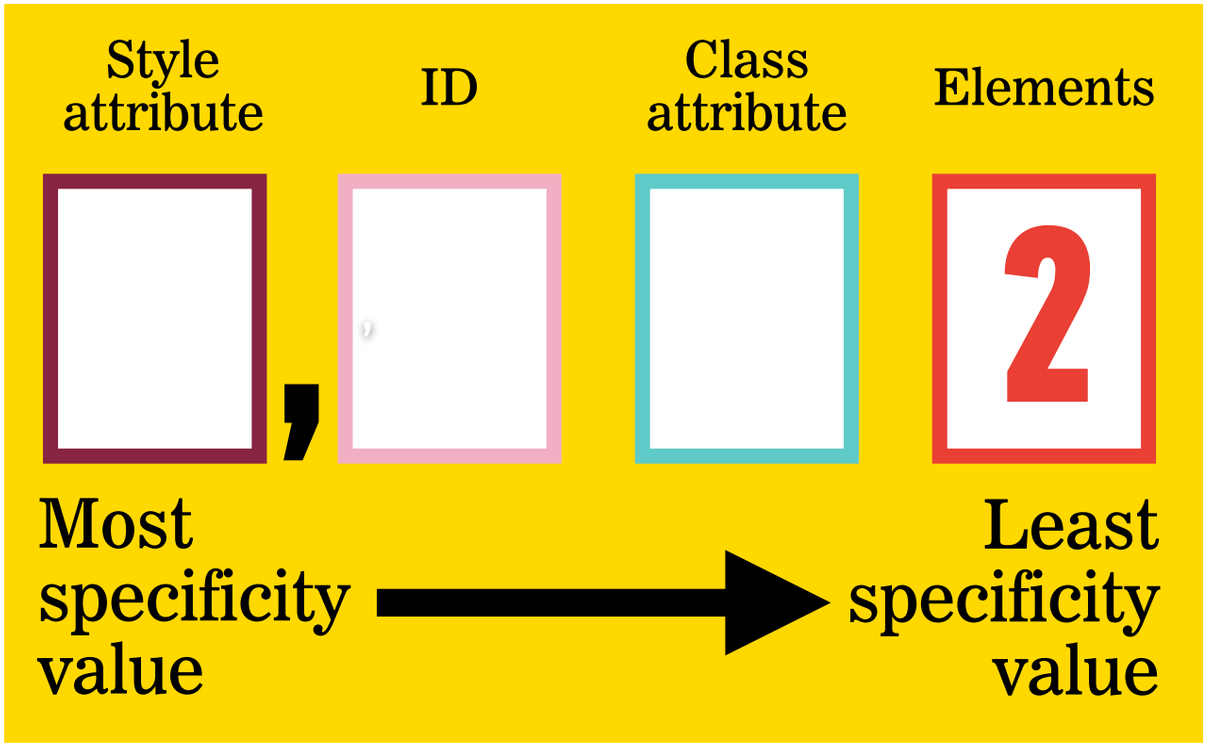
SPECIFICITY

WINNER!

a



p a



CSS CASCADING — THE SPECIFICITY GAME

HTML:

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

CSS:

```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>
```

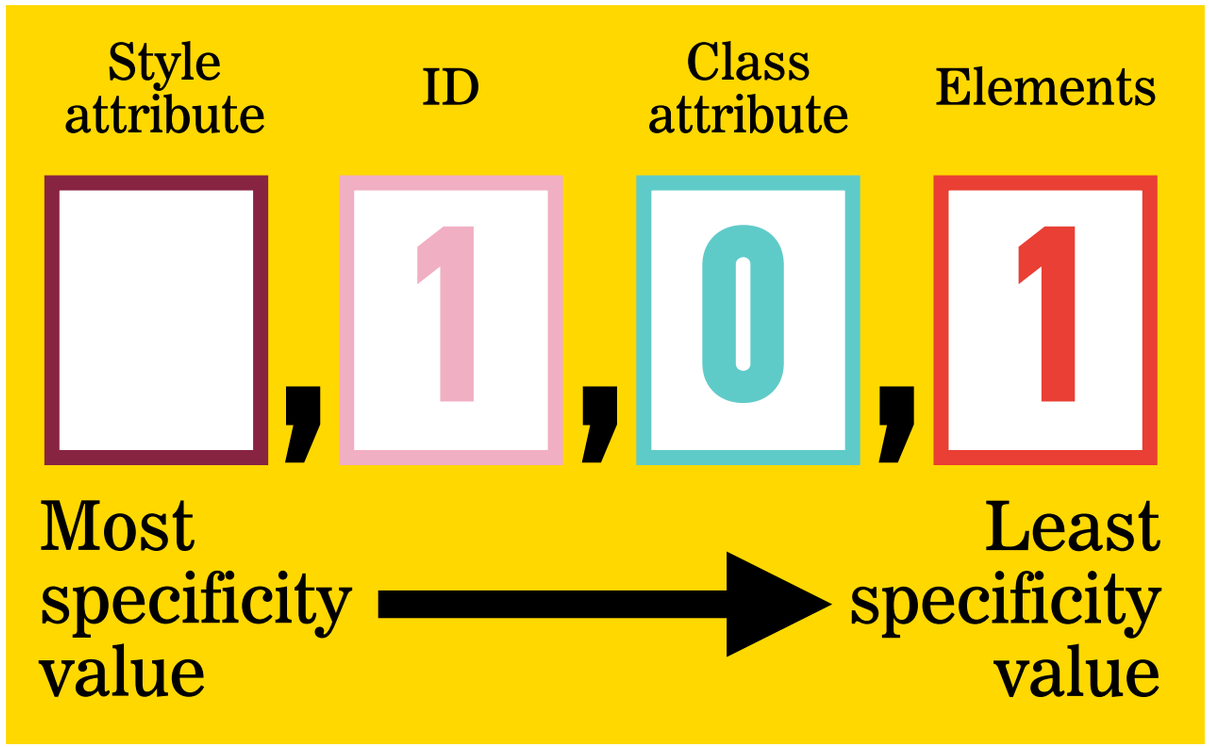
CSS:

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

.home {
  color: blue;
}
```

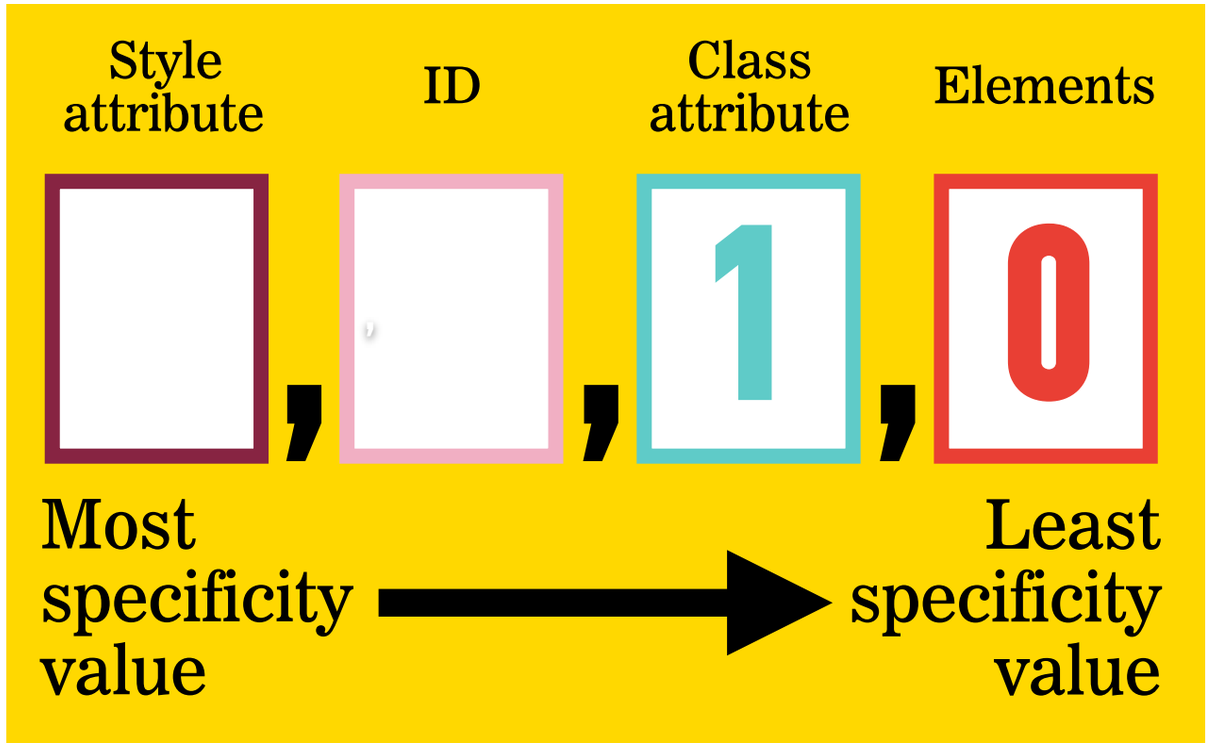
CSS CASCADING

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

HTML:

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

CSS:

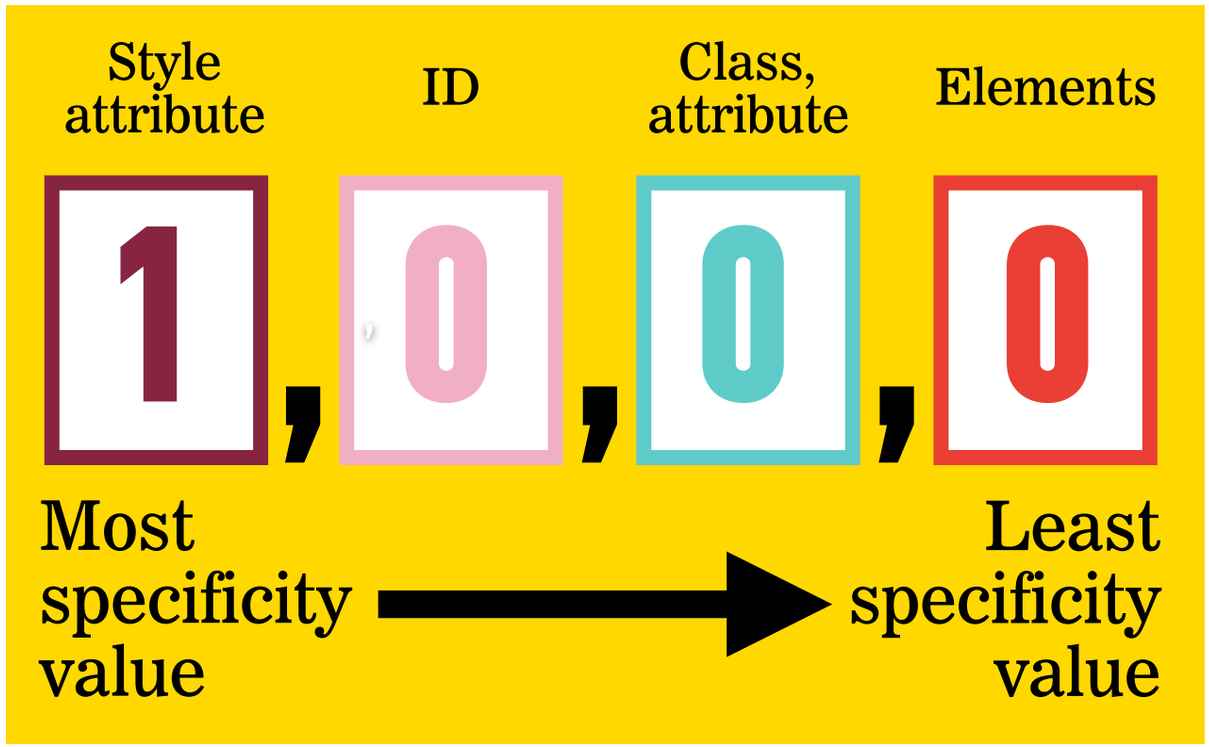
```css
#about li {
  color: pink;
}
```

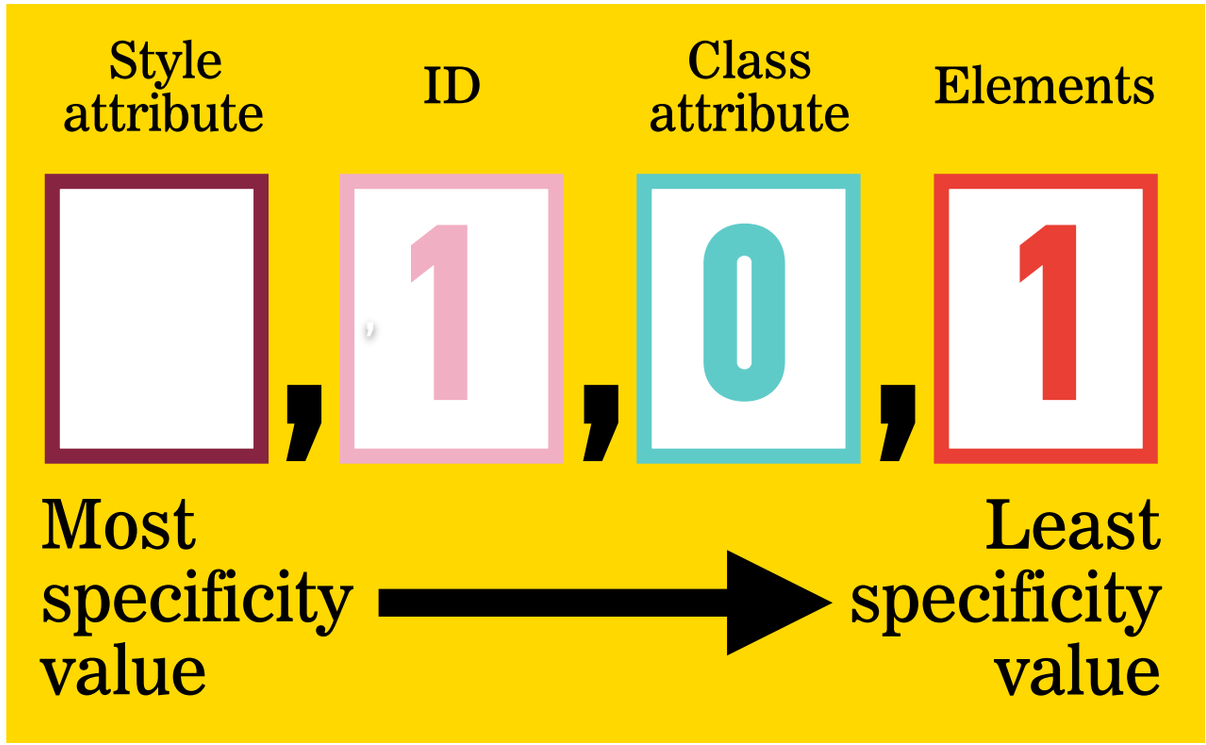
CSS CASCADING

WINNER!

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

`#about li`





CSS CASCADING — THE SPECIFICITY GAME

HTML:

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

CSS:

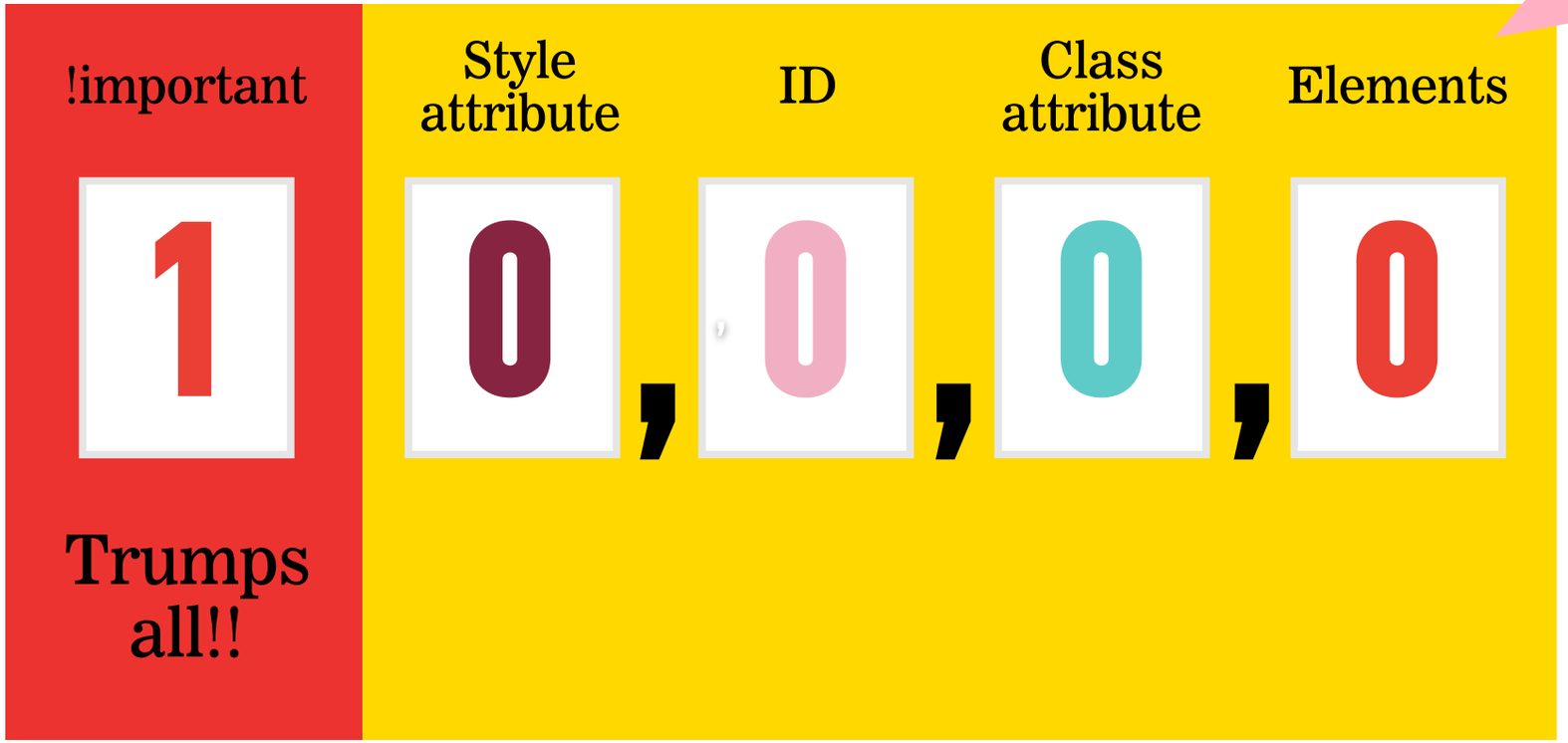
```css
#about li {  /* Score: 101 */
  color: pink;
}
```

CSS CASCADING — THE SPECIFICITY GAME

!IMPORTANT

li {color: green *!important*;}

WINNER!



!important can only be overridden by another !important

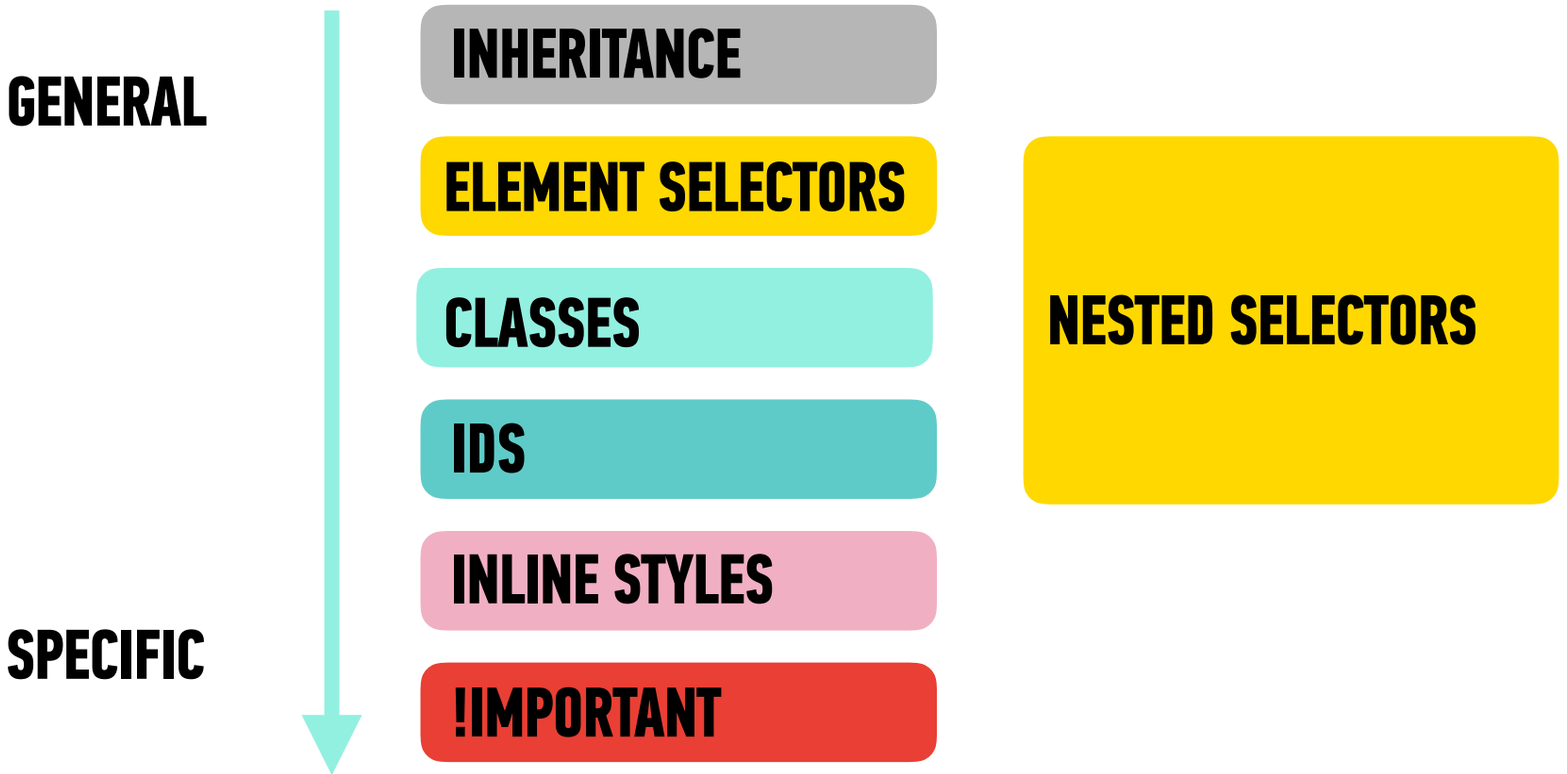
CSS CASCADING — THE SPECIFICITY GAME

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

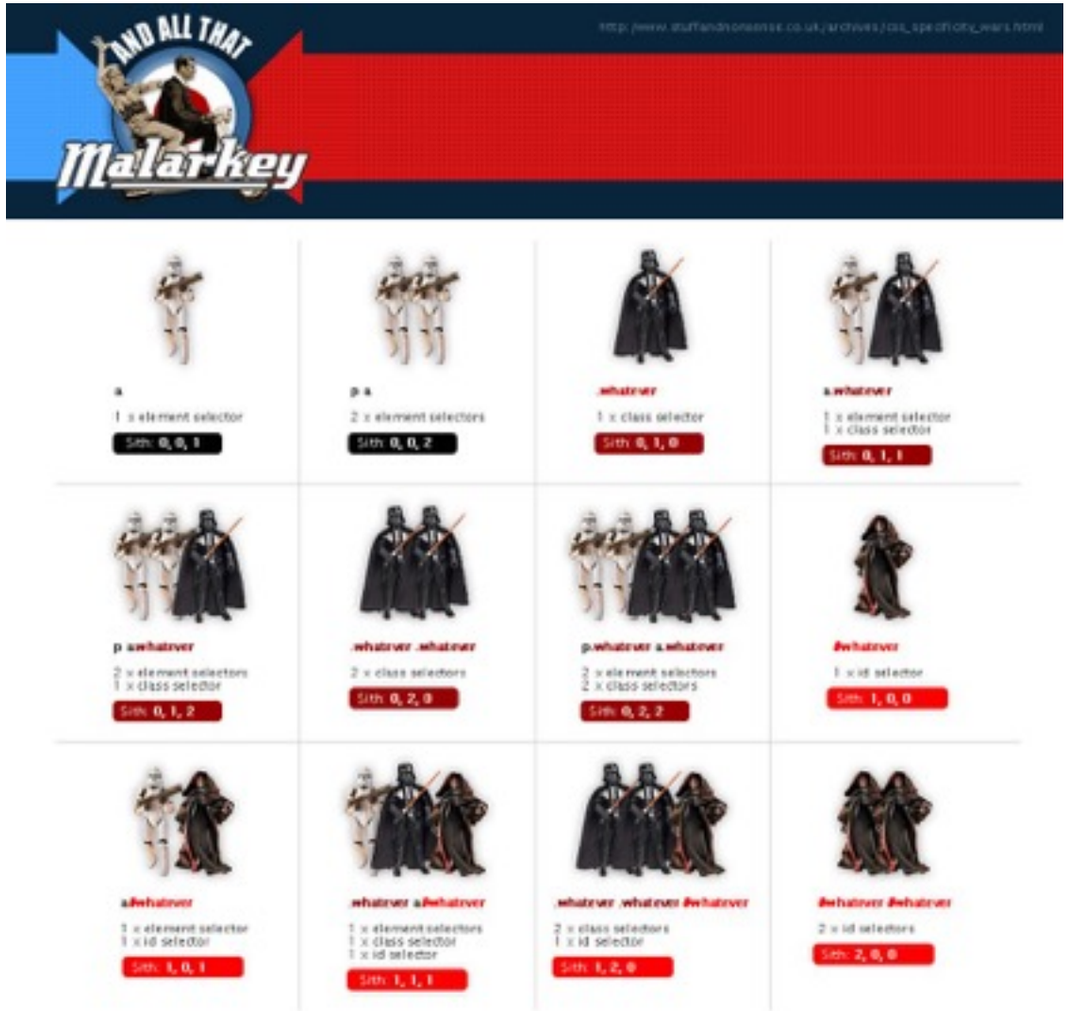
CSS CASCADING — THE SPECIFICITY GAME

SPECIFICITY:

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



CSS CASCADING — THE SPECIFICITY GAME



LAST RULE

CSS CASCADING — THE SPECIFICITY GAME

HTML:

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

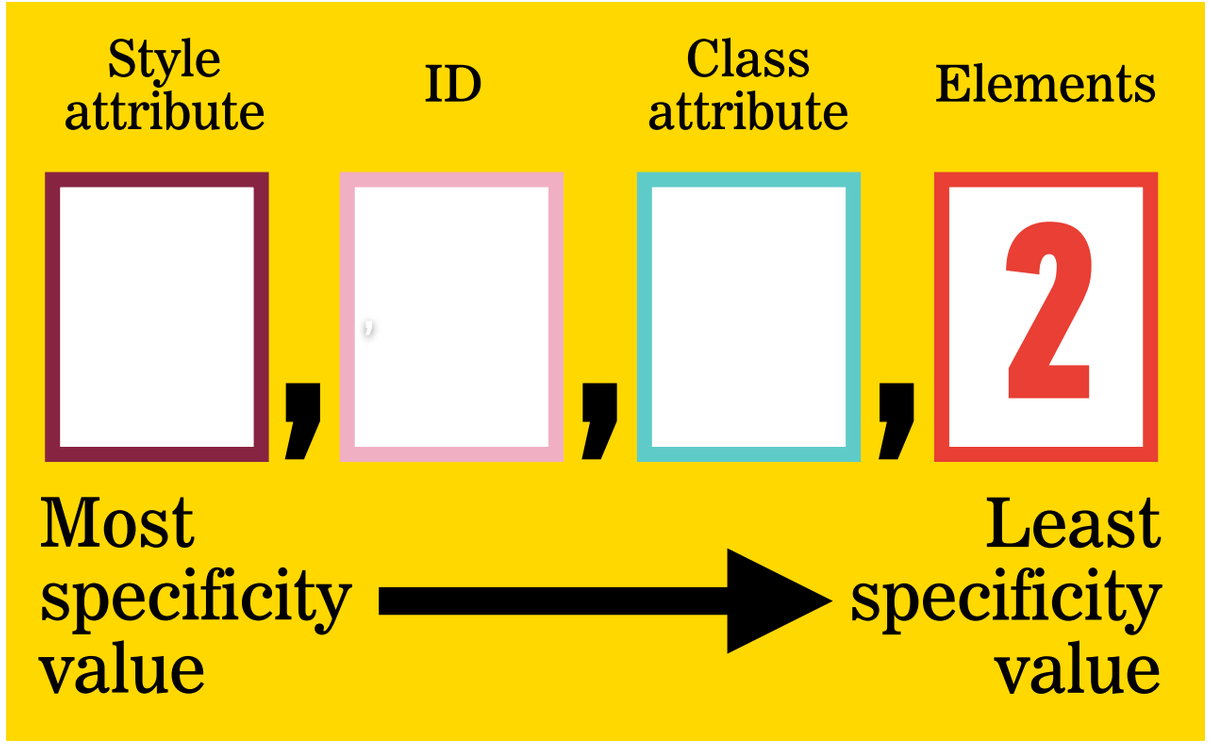
CSS:

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

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

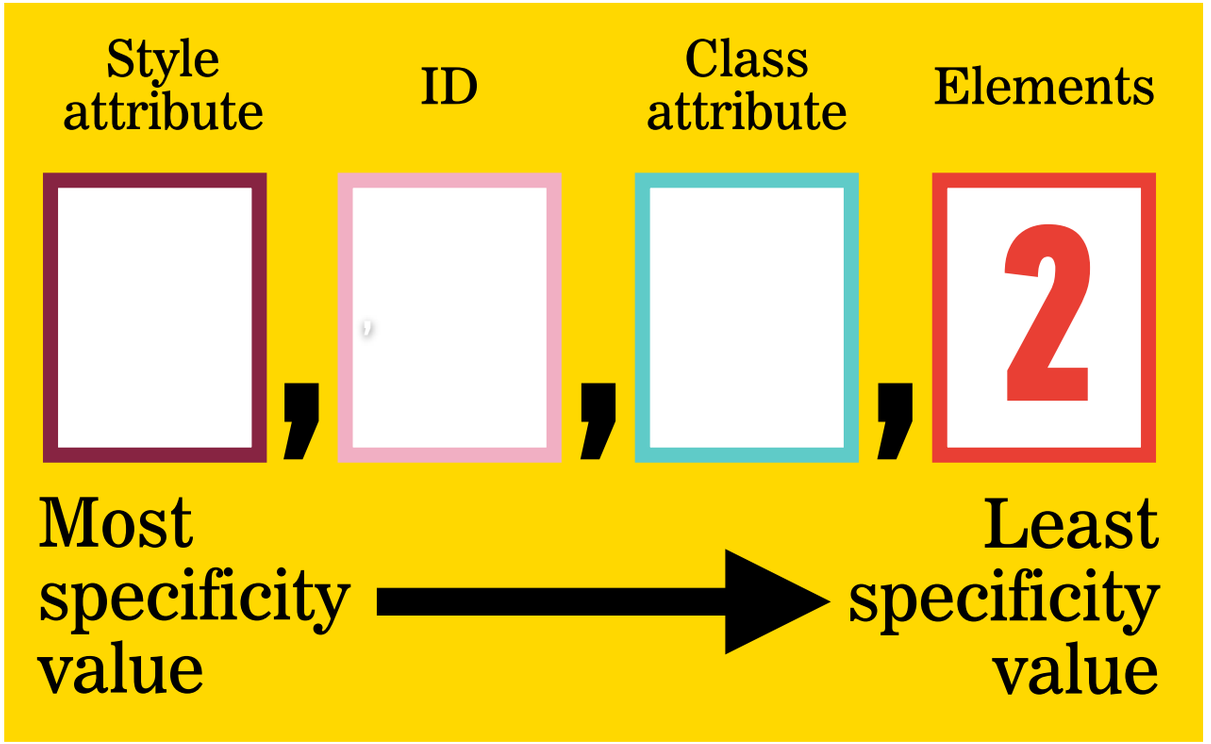
LAST RULE

TIE?!

li a



p a



CSS CASCADING — THE SPECIFICITY GAME

HTML:

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

CSS:

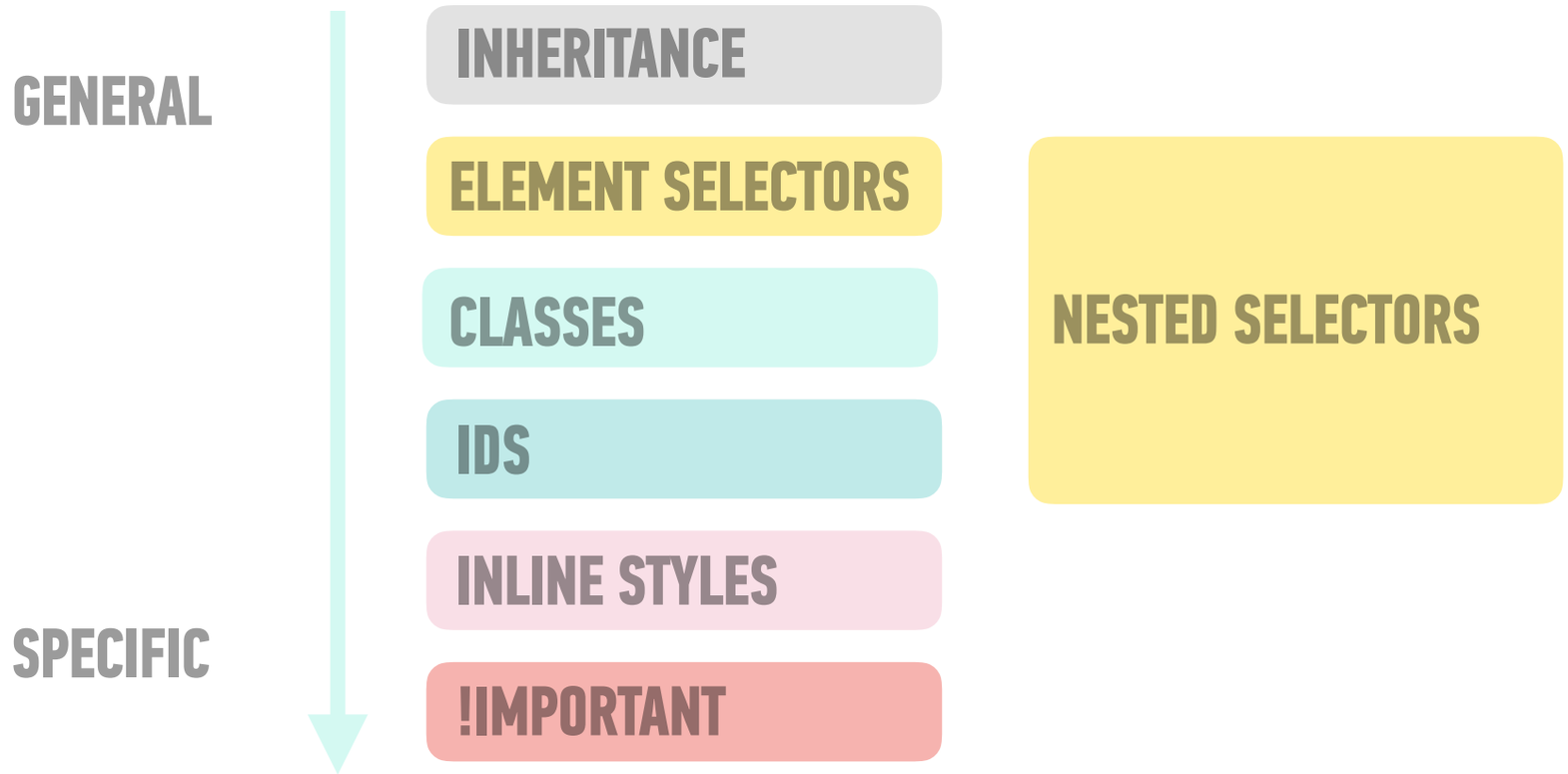
```
li a {
  text-decoration: underline;
}

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



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

ACTIVITY

KEY OBJECTIVE

- Explain the principle of "cascading" in CSS. How does inheritance tie in? Specificity?

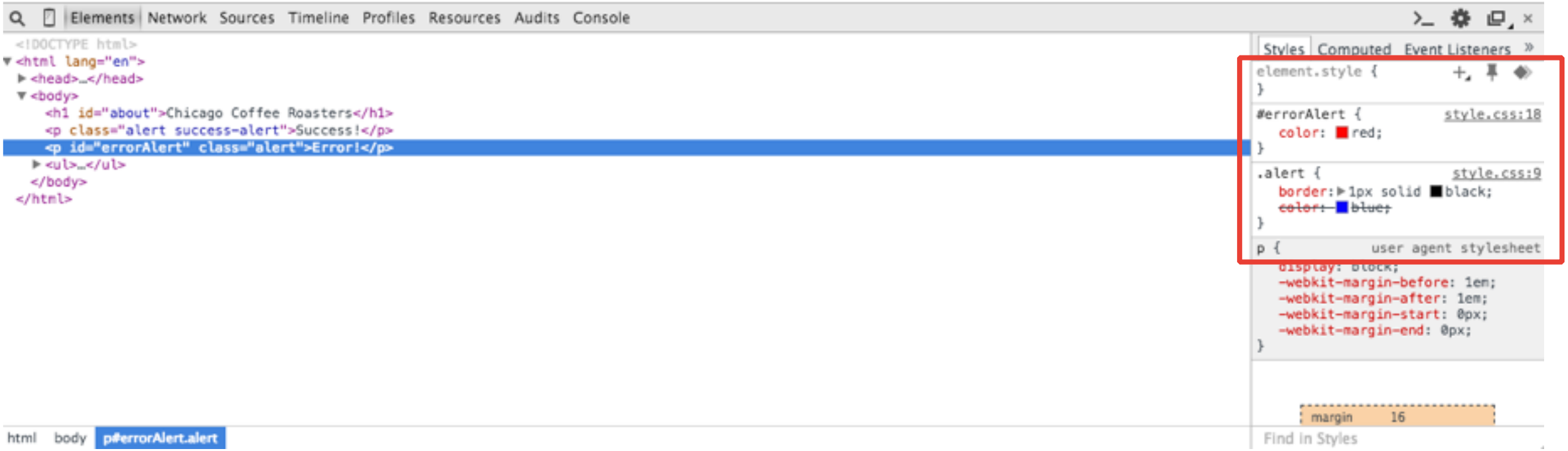
TYPE OF ACTIVITY

- Turn and Talk

TASKS

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

INSPECT ELEMENT



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

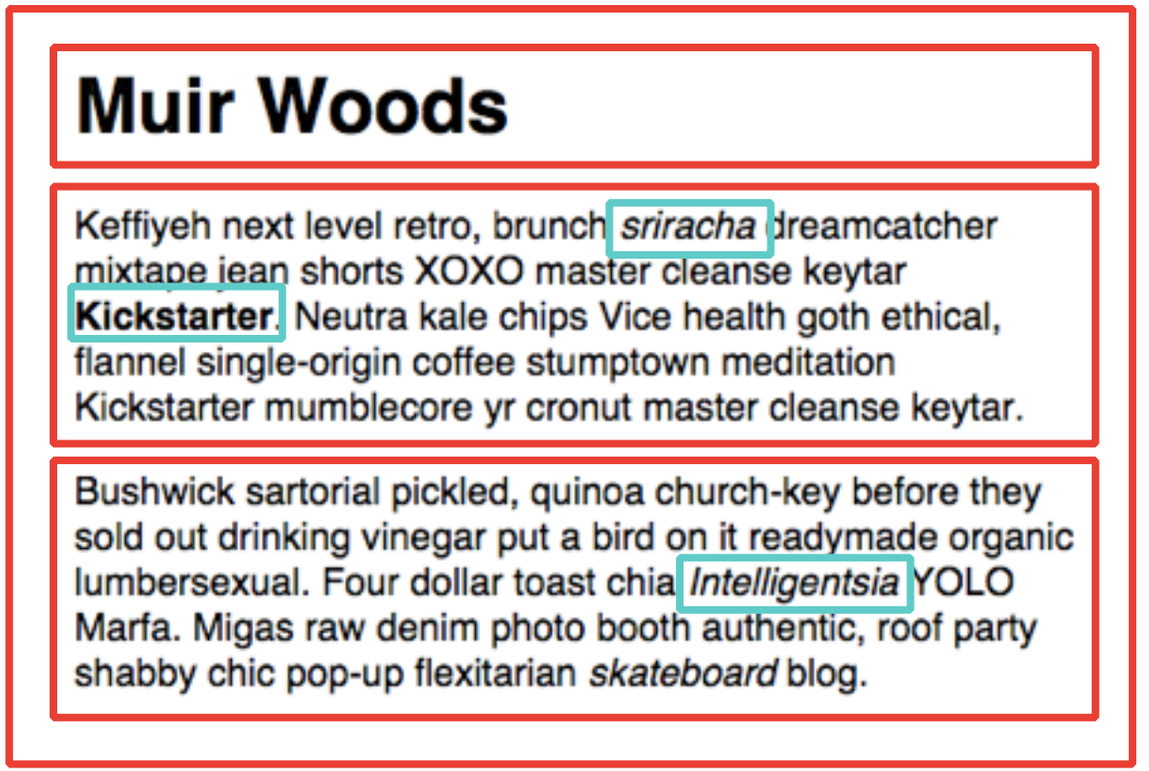
BOX MODEL

REMEMBER THAT THING WE MENTIONED?

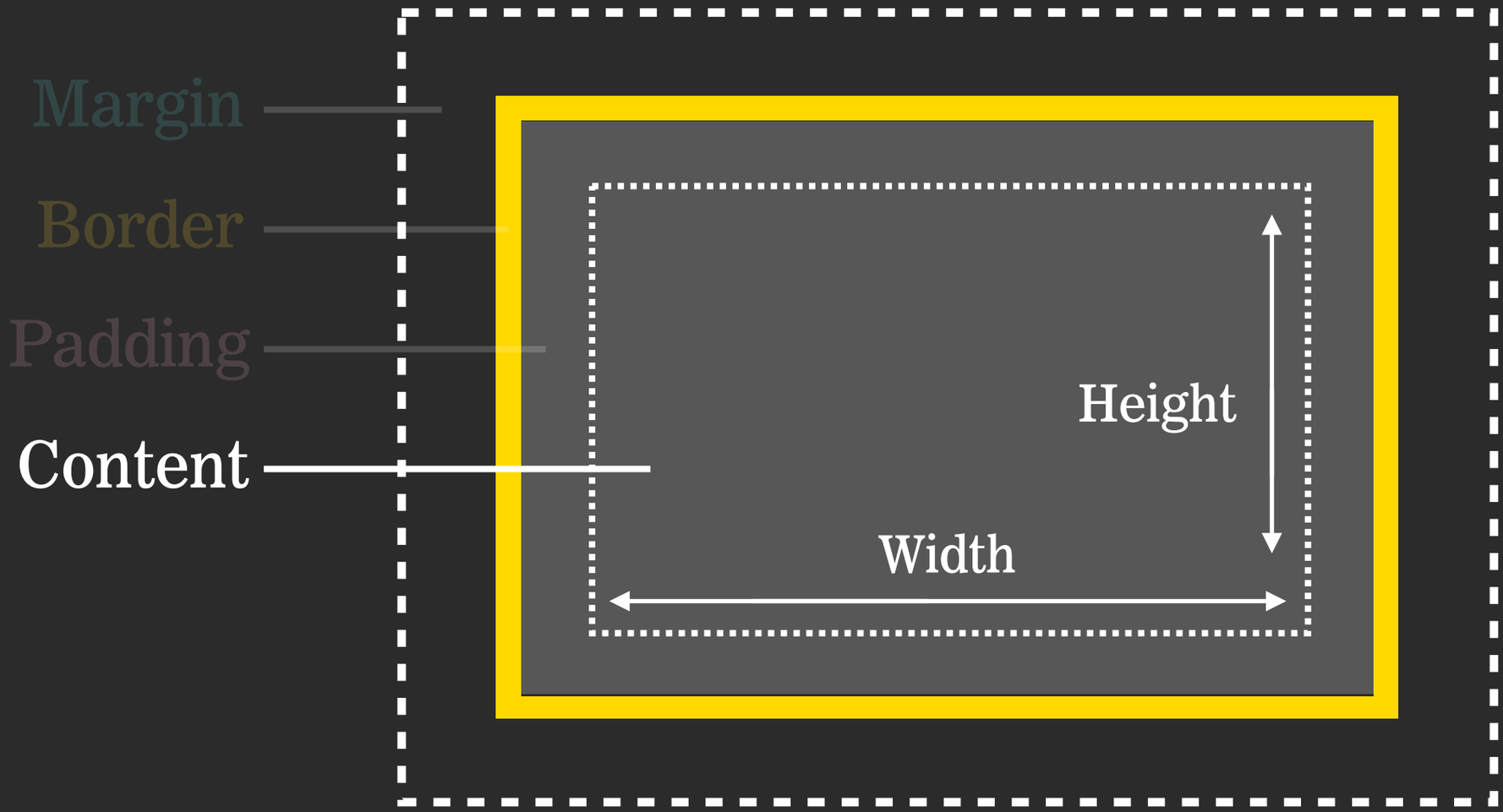
Muir Woods

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.



CSS — BOX MODEL



CSS BOX MODEL

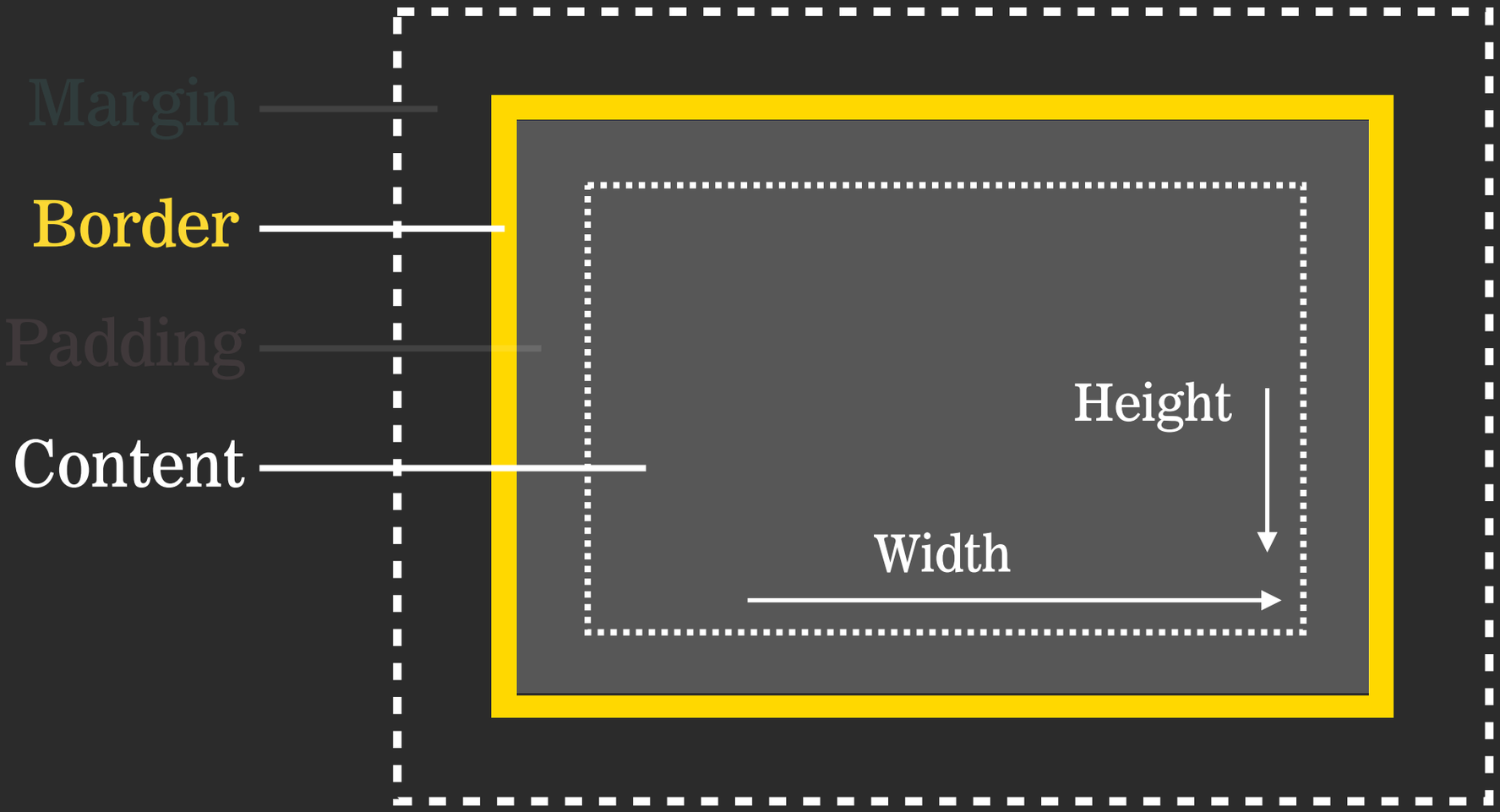
Every box has three properties that can be adjusted to control its appearance:

1

BORDER

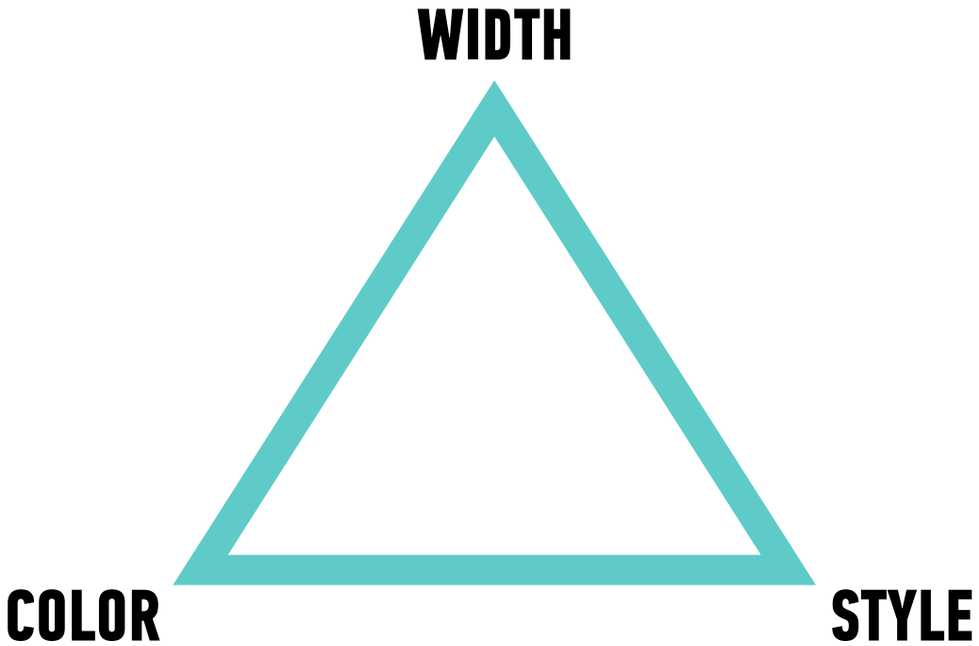
Every box has a border, even if it's not visible or specified to be 0 px wide

CSS — BOX MODEL

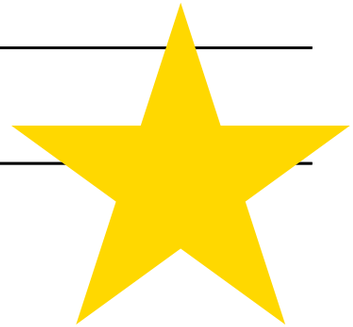


BORDERS

BORDER TRIFECTA:



BORDER SHORTHAND



1. Set the border width, style and color for all sides:

```
p {
    border: 3px solid #ff0000;
}
```

Lorem ipsum dolor sit amet

2. Set a border width, style and color for a specific side:

```
p {
  border-top: 10px solid #F9D423;
  border-right: 10px dotted #FF4E50;
  border-bottom: 10px dashed #FF4E50;
  border-left: 10px solid #FC913A;
}
```

Lorem ipsum dolor sit amet

CSS BOX MODEL

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

1

BORDER

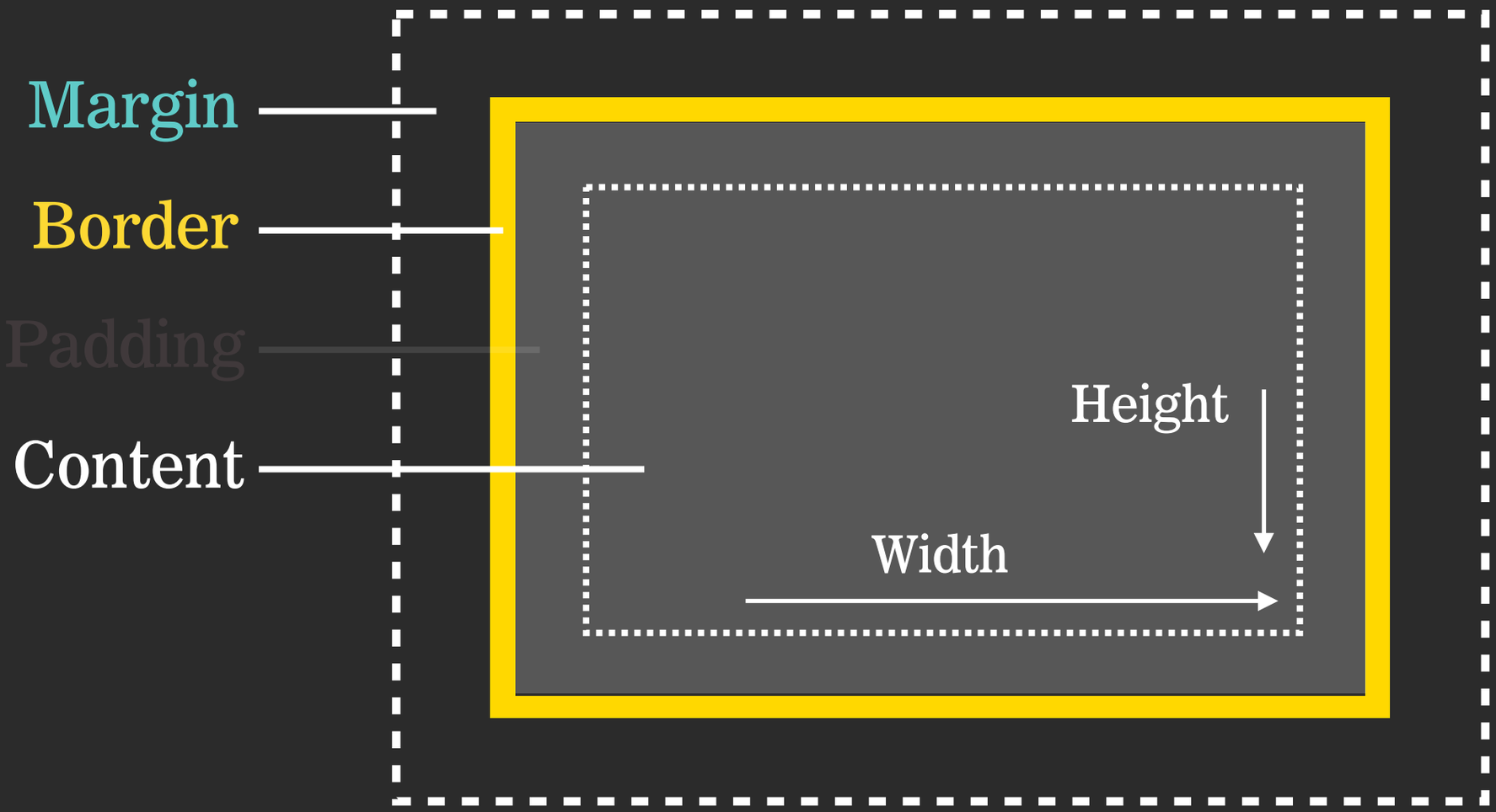
Every box has a border, even if it's not visible or specified to be 0 px wide

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:

```
p {
    margin: 20px;
}
```

2. Set a margin for a specific side:

```
p {
    margin-top: 20px;
}
```

```
p {
    margin-right: 20px;
}
```

```
p {
    margin-bottom: 20px;
}
```

```
p {
    margin-left: 20px;
}
```

3. Set different values for multiple sides at once (shorthand)
   - Values are specified in **clockwise** order: top, right, bottom, left

```
p {
    margin: 20px 10px 5px 20px;
}
```

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

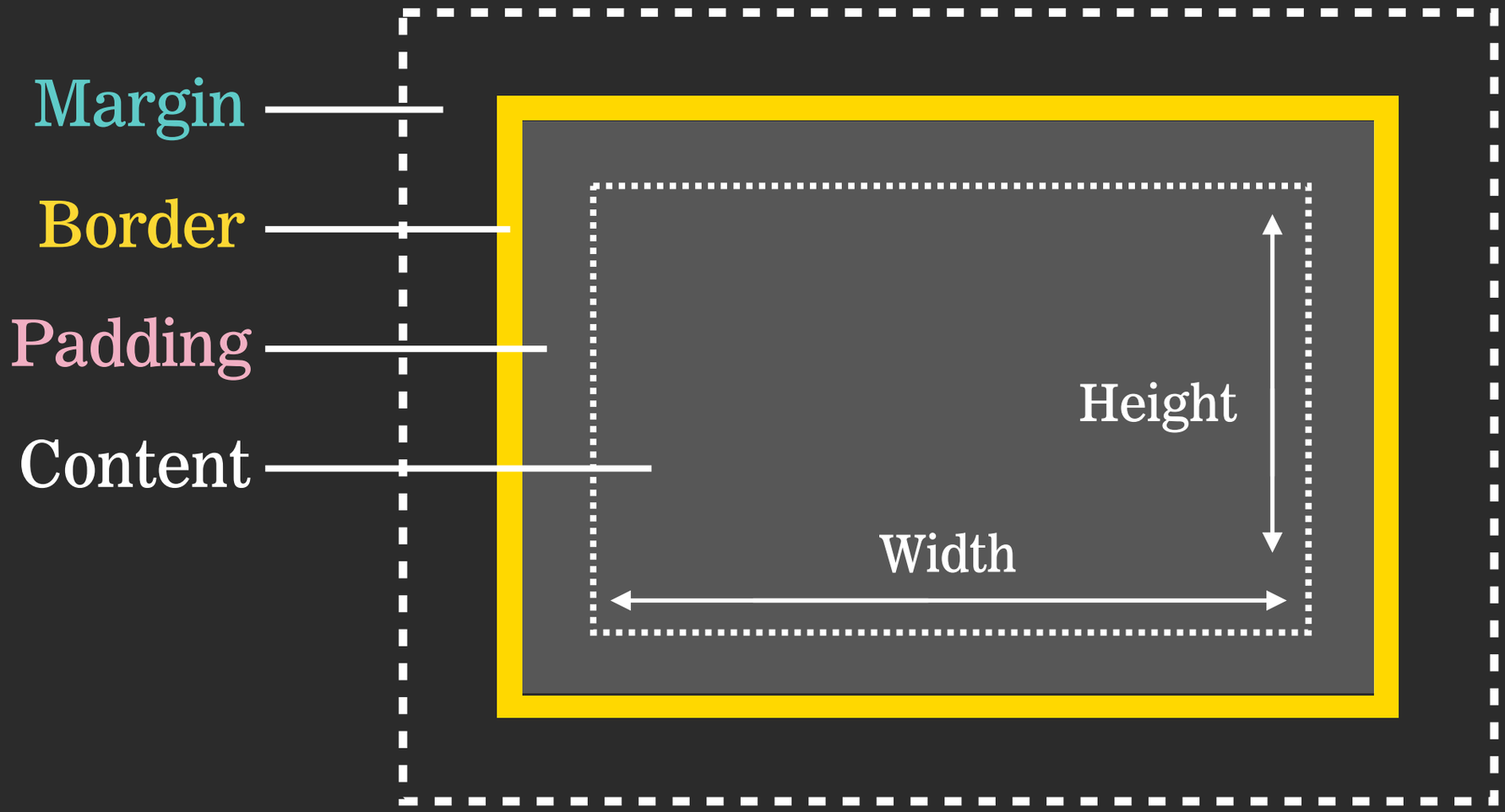
Margins sit outside the border. You can set the width of a margin to create a gap between the borders of two adjacent boxes

3

PADDING

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

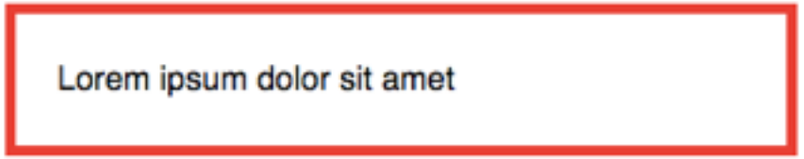
CSS — BOX MODEL



BOX MODEL — PADDING SYNTAX

1. Set an even padding on all sides:

```
p {
    padding: 20px;
}
```



2. Set the padding on a specific side:

```
p {
    padding-top: 20px;
}
```

```
p {
    padding-right: 20px;
}
```

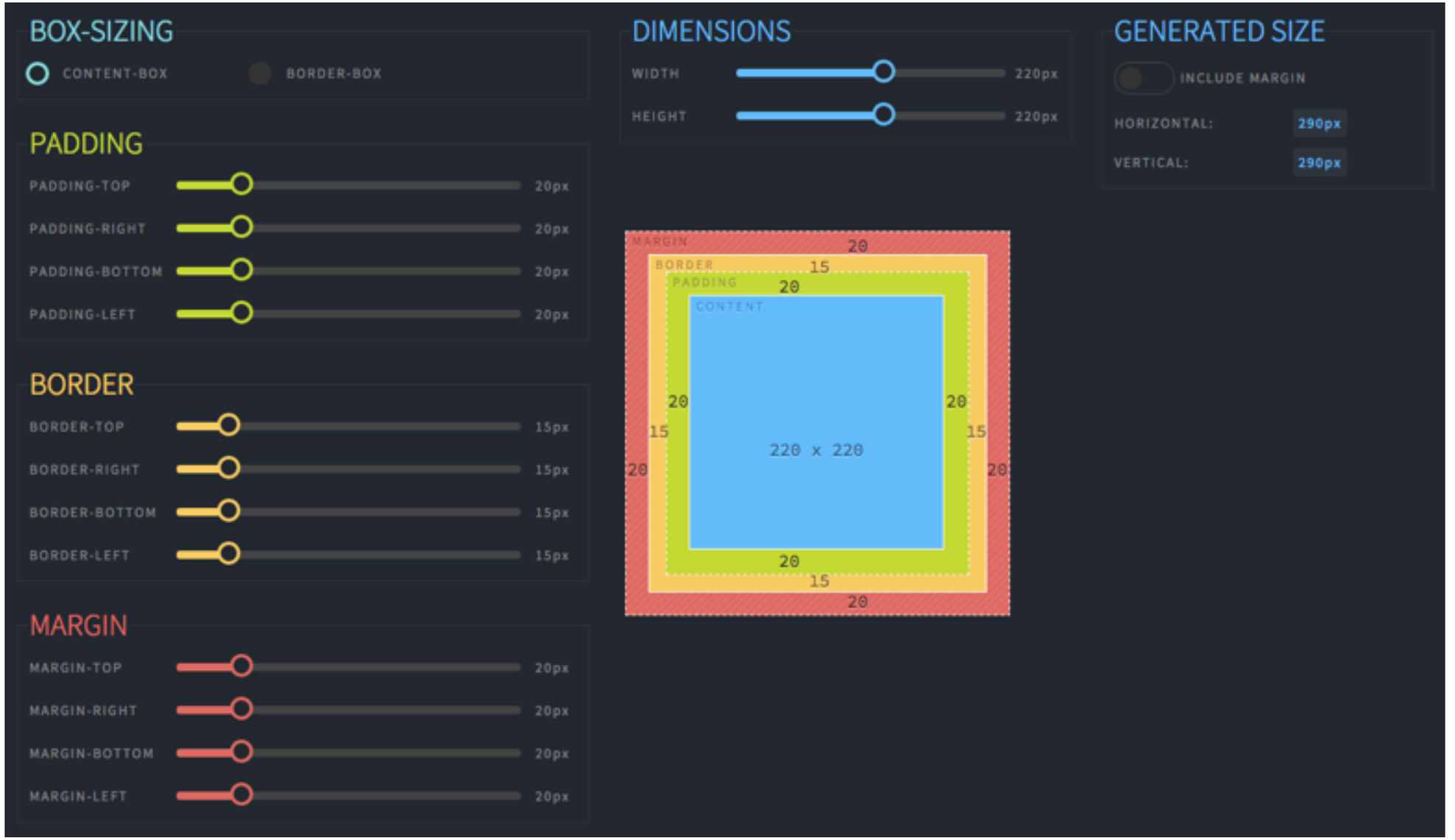
```
p {
    padding-bottom: 20px;
}
```

```
p {
    padding-left: 20px;
}
```

3. Set different values for multiple sides at once (shorthand)
   - Values are specified in **clockwise** order: top, right, bottom, left

```
p {
    padding: 20px 10px 5px 20px;
}
```

BOX MODEL — INTERACTIVE MODEL



CODE ALONG — BOX MODEL

ACTIVITY

EXERCISE

KEY OBJECTIVE

- Manipulate the "box" around tags

TYPE OF EXERCISE

- Partner/Groups of 3 — Whiteboarding

INSTRUCTIONS

Style the h2. Give it:

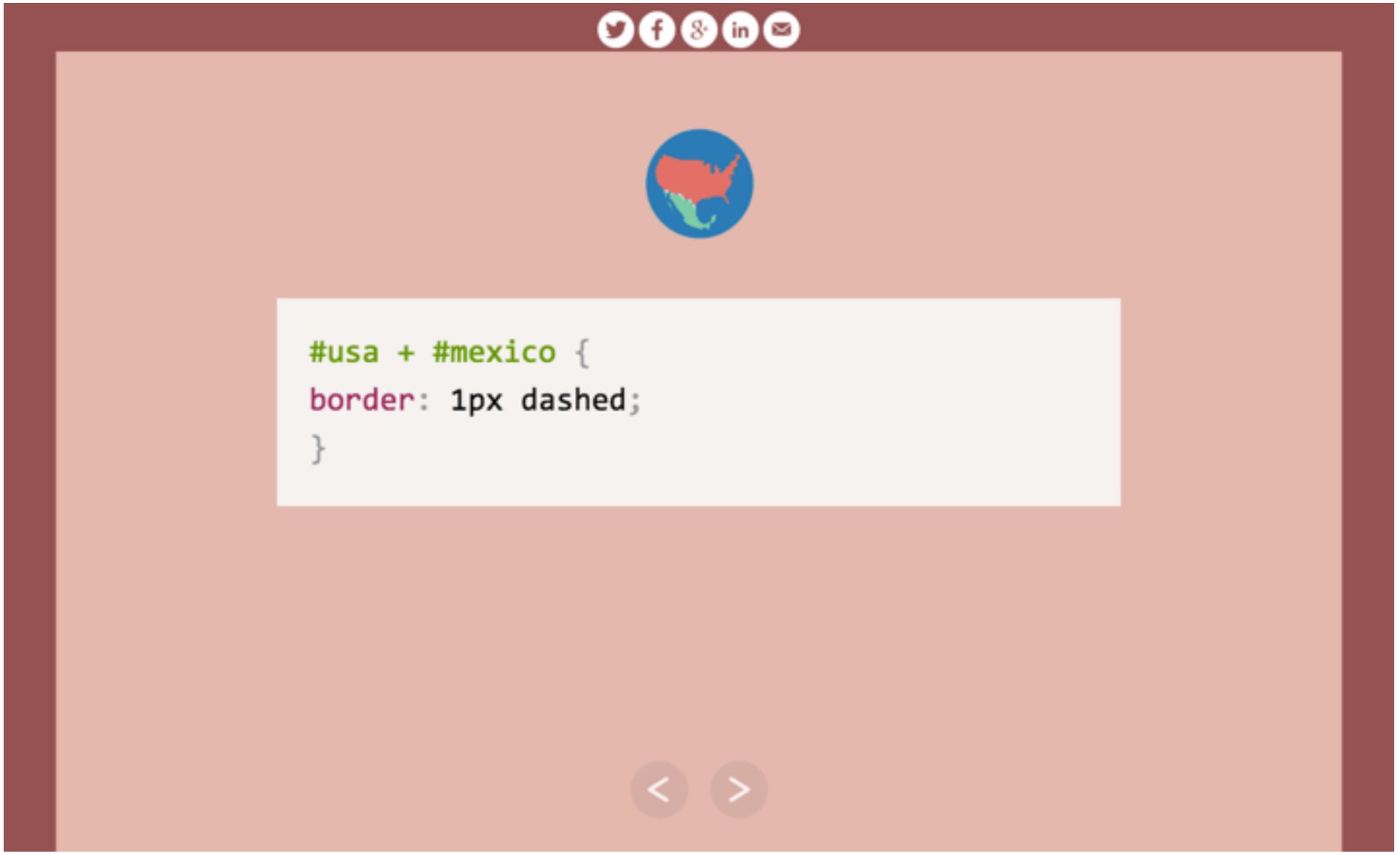
1. 20px margin on all sides
2. 15px padding on the top
3. 10px padding on the right and left
4. 5px padding on the bottom
5. A dashed red border that is 2px thick

CSS JOKES

CSS PUNS

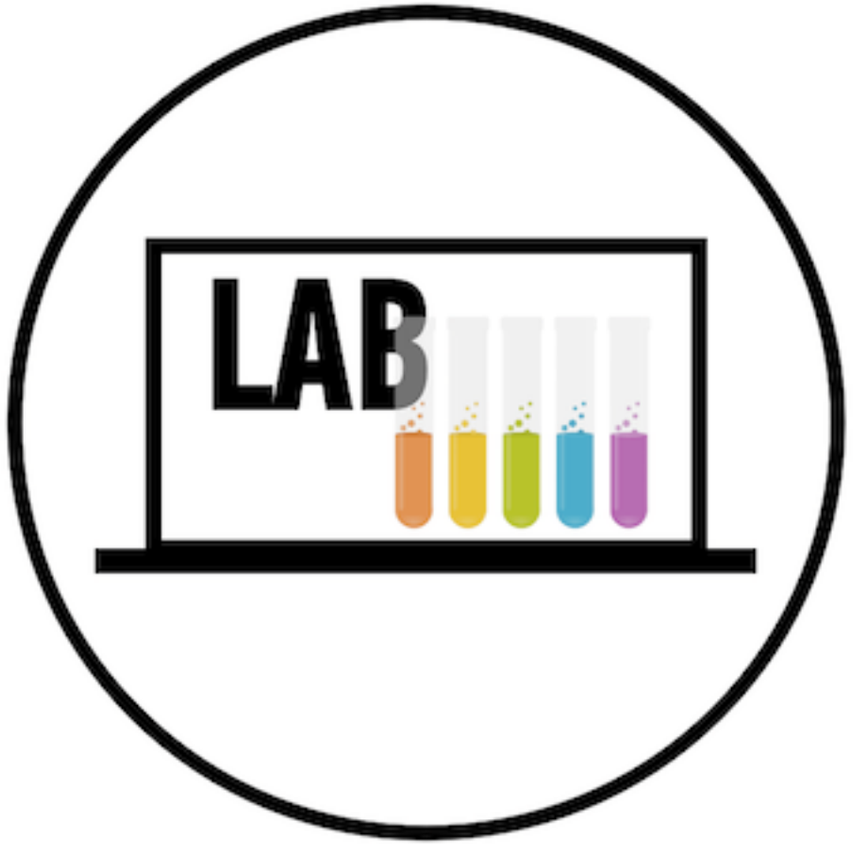
CSS PUNS

CSS JOKES

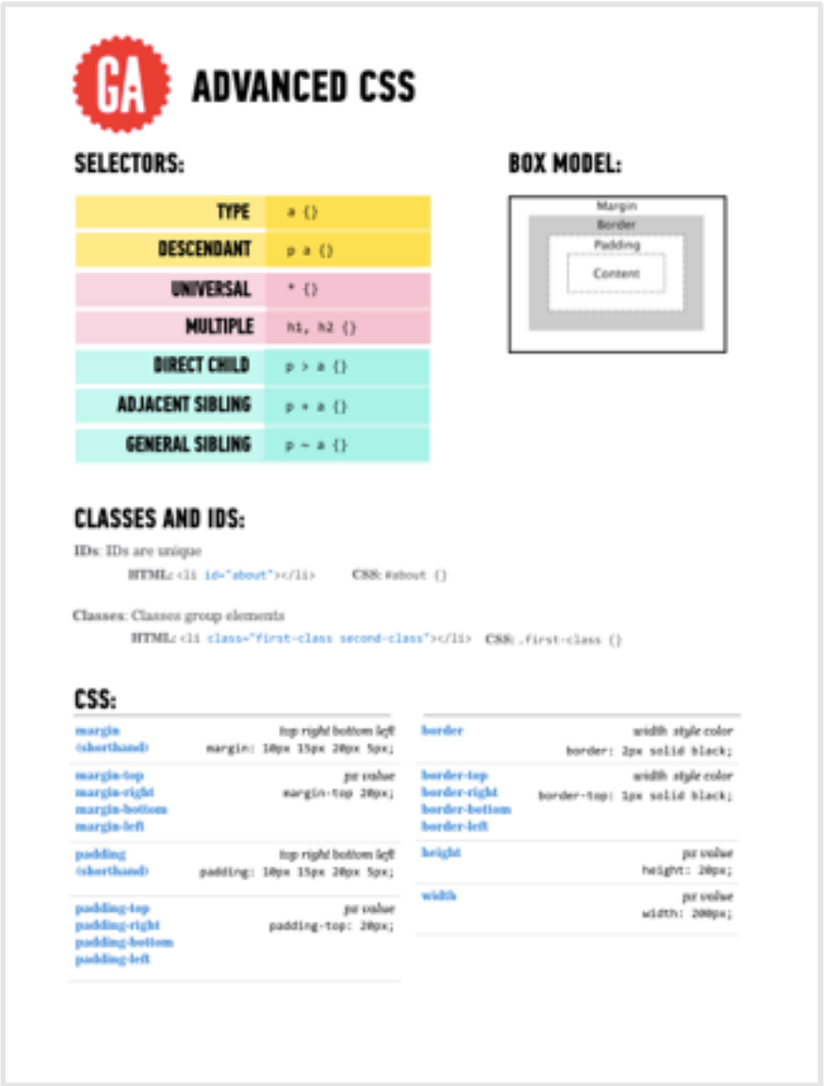


TRAVEL BLOG

LAB — TRAVEL BLOG



ACTIVITY - DON'T FORGET YOUR HANDOUT!



GA ADVANCED CSS

SELECTORS:

TYPE	a {}
DESCENDANT	p a {}
UNIVERSAL	* {}
MULTIPLE	h1, h2 {}
DIRECT CHILD	p > a {}
ADJACENT SIBLING	p + a {}
GENERAL SIBLING	p ~ a {}

BOX MODEL:

CLASSES AND IDS:

IDs: IDs are unique

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

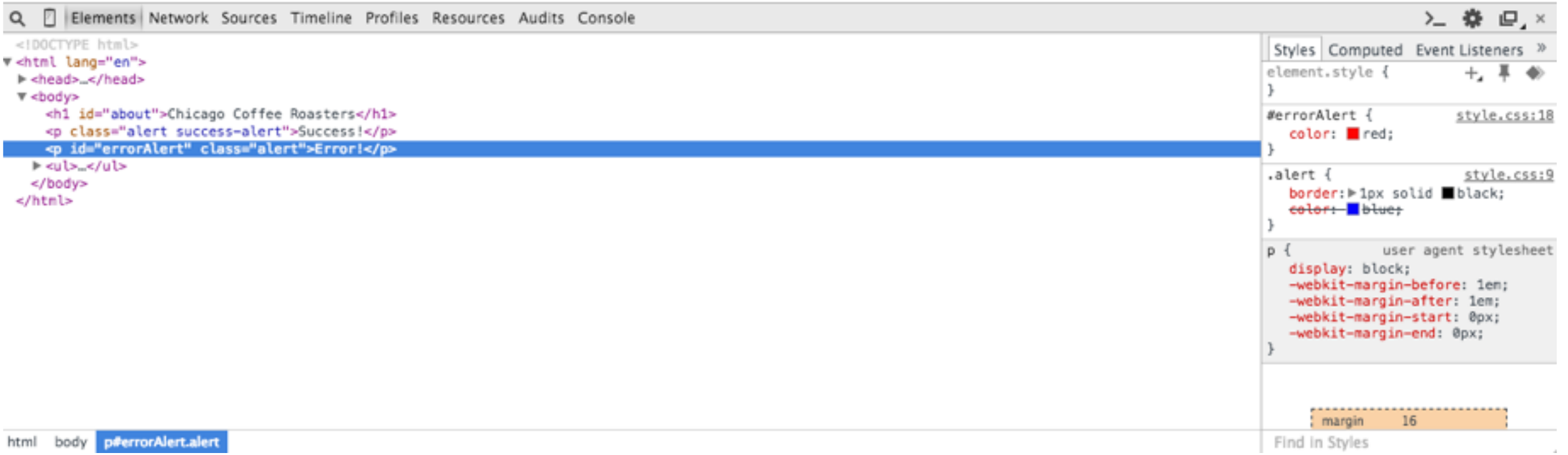
Classes: Classes group elements

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

CSS:

margin (shorthand)	top right bottom left margin: 10px 15px 20px 5px;
margin-top margin-right margin-bottom margin-left	px value margin-top 20px;
padding (shorthand)	top right bottom left padding: 10px 15px 20px 5px;
padding-top padding-right padding-bottom padding-left	px value padding-top: 20px;
border	width style color border: 2px solid black;
border-top border-right border-bottom border-left	width style color border-top: 1px solid black;
height	px value height: 20px;
width	px value width: 200px;

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 Travel Blog site, using Travel_Blog.png as a reference

TASKS

1. Style the provided markup (you'll need to add a css file and link to it from your index.html)
2. Add a webfont (refer to travel_blog_styleguide.pdf)
3. Google and implement the <article> and <footer> tags.
4. **Bonus:** Add a transition on links to make the hover color fade in (Google)
5. **Super Bonus:** Implement drop caps (hint: look up ::first-letter pseudo-element)

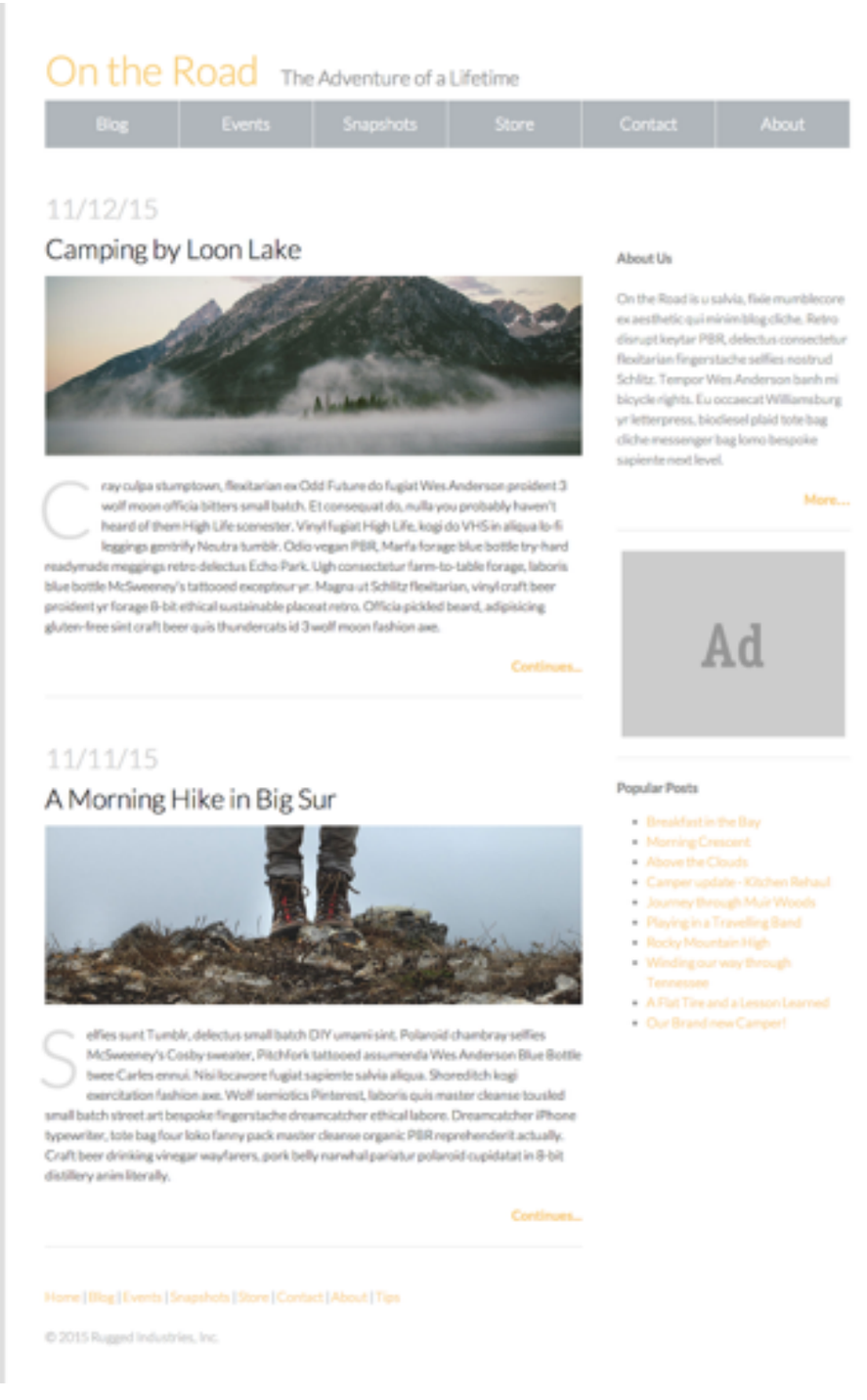
LEARNING OBJECTIVES

- Use classes and IDs to target specific elements and apply CSS rules.
- Select nested elements to apply styling
- Apply and explain CSS “cascade” including specificity, importance and inheritance.
- Start taking control of page layout with margin, padding, and borders.

WEEKLY OVERVIEW

WEEK 1	HTML Basics
WEEK 2	CSS Basics / CSS Box Model
WEEK 3	CSS Layout / Lab

NEXT CLASS:


On the Road
The Adventure of a Lifetime
Blog
Events
Snapshots
Store
Contact
About
11/12/15
Camping by Loon Lake
Cray culpa stumptown, flexitarian ex Odd Future do fugiat Wes Anderson proident 3 wolf moon officia bitters small batch. Et consequat do, nulla you probably haven't heard of them High Life scenester. Vinyl fugiat High Life, kogi do VHS in aliqua lo-fi leggings gentrify Neutra tumblr. Odio vegan PBR, Marfa forage blue bottle try-hard readymade meggings retro delectus Echo Park. Ugh consectetur farm-to-table forage, laboris blue bottle McSweeney's tattooed excepteur yr. Magna ut Schlitz flexitarian, vinyl craft beer proident yr forage 8-bit ethical sustainable placeat retro. Officia pickled beard, adipisicing gluten-free sint craft beer quis thundercats id 3 wolf moon fashion axe.
Continues...
11/11/15
A Morning Hike in Big Sur
Selfies sunt Tumblr, delectus small batch DIY umami sint, Polaroid chambray selfies McSweeney's Cosby sweater, Pitchfork tattooed assumenda Wes Anderson Blue Bottle twee Carles ennui. Nisi locavore fugiat sapiente salvia aliqua. Shoreditch kogi exercitation fashion axe. Wolf semiotics Pinterest, laboris quis master cleanse tousled small batch street art bespoke fingerstache dreamcatcher ethical labore. Dreamcatcher iPhone typewriter, tote bag four loko fanny pack master cleanse organic PBR reprehenderit actually. Craft beer drinking vinegar wayfarers, pork belly narwhal pariatur polaroid cupidatat in 8-bit distillery anim literally.
Continues...
About Us
On the Road is u salvia, fixie mumblecore ex aesthetic qui minim blog cliche. Retro disrupt keytar PBR, delectus consectetur flexitarian fingerstache selfies nostrud Schlitz. Tempor Wes Anderson banh mi bicycle rights. Eu occaecat Williamsburg yr letterpress, biodiesel plaid tote bag cliche messenger bag lomo bespoke sapiente next level.
More...
Ad
Popular Posts
Breakfast in the Bay
Morning Crescent
Above the Clouds
Camper update - Kitchen Rehaul
Journey through Muir Woods
Playing in a Travelling Band
Rocky Mountain High
Winding our way through Tennessee
A Flat Tire and a Lesson Learned
Our Brand new Camper!
Home | Blog | Events | Snapshots | Store | Contact | About | Tips
© 2015 Rugged Industries, Inc.

HOMEWORK

HOMEWORK

Be sure to read the specs on the FEWD 47 Dashboard.

FINAL PROJECTS

WHERE CAN I GET SOME INSPIRATION FROM WHAT PAST STUDENTS HAVE DONE?

- Visit the General Assembly Gallery

EXIT TICKETS

Bookmark this link!

Fill it out here