

---

**FEWD**

---

**START SCREENCAST!!!!**

---

## LET'S GET EVERYTHING SET UP!

---

1. Navigate to the FEWD 47 Dashboard ([saraheholden.com/fewd47/](https://saraheholden.com/fewd47/)) and download the Lesson 4 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 we added to your Desktop last class.
3. Double-click on `starter_code_lesson_4.zip` 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 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 `starter_code_lesson_4` folder).
6. Log in to the FEWD 47 Slack ([fewd47.slack.com](https://fewd47.slack.com)) and join the 04\_layout channel.

---

## WEEKLY OVERVIEW

---

**WEEK 3**

CSS Layout / Lab

**WEEK 4**

Bootstrap / Forms

**WEEK 5**

Responsive Design / Responsive Design Lab

# CLASS 3 LAB:

## On the Road

The Adventure of a Lifetime

[Blog](#) [Events](#) [Snapshots](#) [Store](#) [Contact](#) [About](#)

11/12/15

### Camping by Loon Lake



C ray 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, adipiscing gluten-free sint craft beer quis thundercats id 3 wolf moon fashion axe.

[Continues...](#)

11/11/15

### A Morning Hike in Big Sur



S effies 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 nanxhal pariatur polaroid cupidatat in 8-bit distillery anim literally.

[Continues...](#)

[Home](#) | [Blog](#) | [Events](#) | [Snapshots](#) | [Store](#) | [Contact](#) | [About](#) | [Tips](#)

© 2015 Rugged Industries, Inc.

11/12/15  
Camping by Loon Lake



C ray 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 sceneris. Vinyl fugiat High Life, kogi do VHS in aliqua lo-fi leggings gonrify 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 placat 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



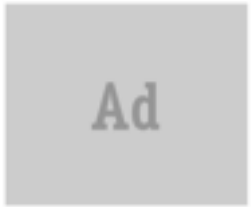
S effies sunt Tumblr, delectus small batch DIY umami sint, Polaroid chambray selfies McSweeney's Cosby sweater, Pitchfork tattooed assumenda Wes Anderson Blue Bottle beer Carles ennui. Nisi locavore fugiat sapiente salvia aliqua. Shoreditch kogi exercitation fashion axe. Wolf semiotics Pinterest, laboris 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, fixe mumblecore ex aesthetic qui mri in blog cliché. 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 cliché messenger bag lomo bespoke sapiente next level.

More...



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!



---

GA GENERAL ASSEMBLY

---

# LAYOUT

*Sarah Holden*



# LEARNING OBJECTIVES

- Differentiate between block and inline elements
- Use HTML5 structural elements to properly organize your page.
- Discover how to create multi-column layouts with the float property.
- Secure your layouts and avoid overlaps with the clear property and the clearfix method.

# AGENDA

---



- Display
- Divs
- HTML5 Structural Elements
- Box-Sizing Part 2
- Floats
- Multi-column layouts
- Lab — Travel Blog pt. 2



---

**FEWD**

---

# REVIEW

---

## HTML SYNTAX — TAGS

---

Opening tag

Closing tag

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

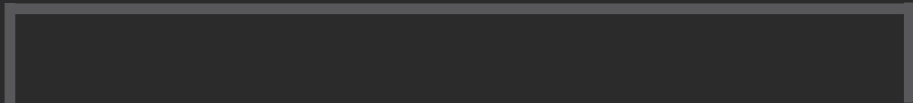
Element

---

## HTML SYNTAX — ATTRIBUTES

---

Attribute



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

---

## CSS SYNTAX

---

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

# SELECTORS — MOST COMMON

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



---

## CLASSES AND IDS

---

- Classes and ids allow us to assign 'labels' to elements so that we can target them in our stylesheets

### IDS

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

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

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

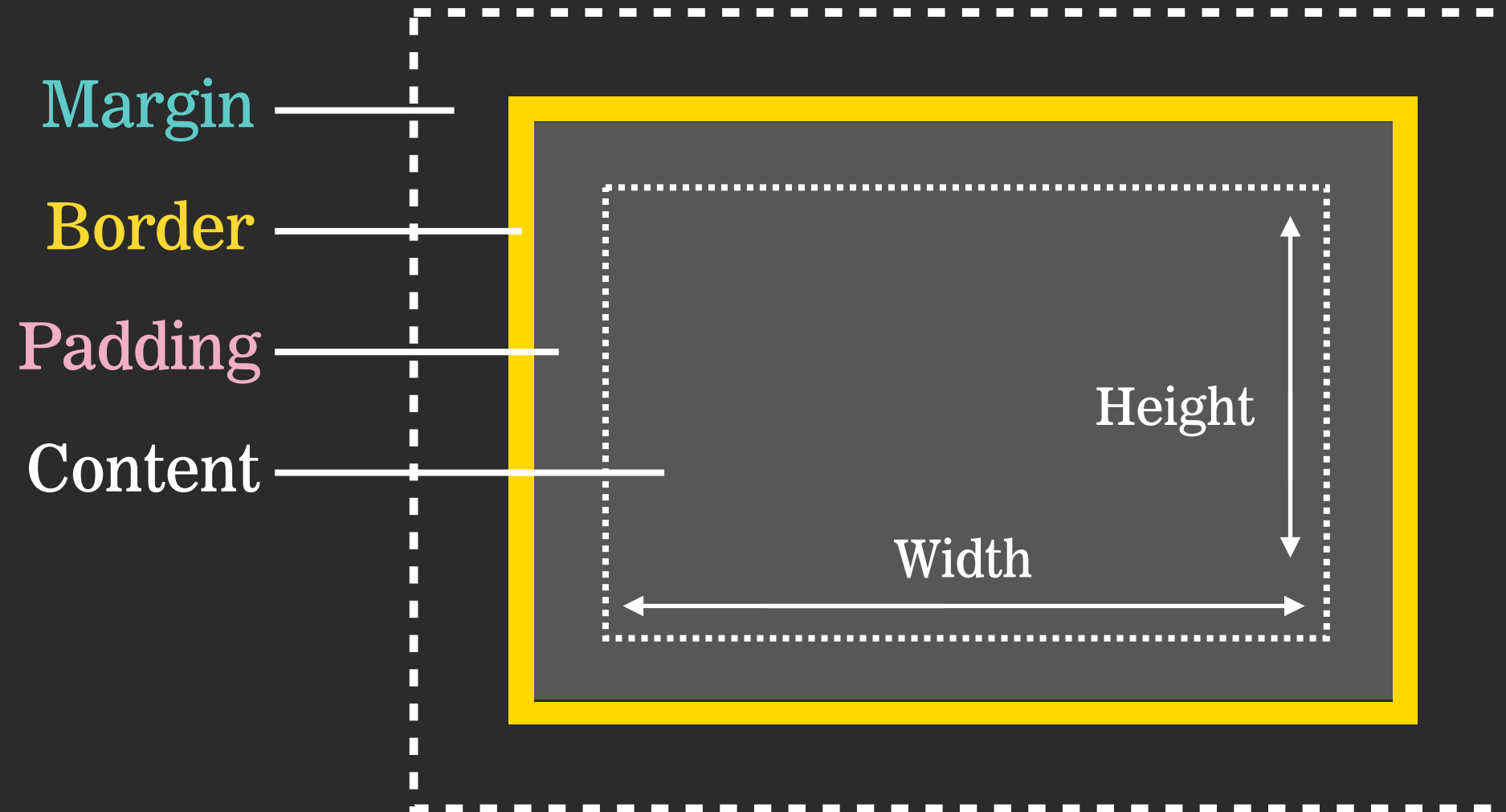
### CLASSES

- Classes are used to group elements together

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

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

## REFRESHER — BOX MODEL



---

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

---

### 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

---

## EXIT TICKET QUESTIONS

---

- ▶ What was the discount that Evan talked about on the first day of class? (15 percent off classes and workshops code: `currentstudentdiscount15`)
- ▶ Final Project
- ▶ I sometimes have trouble remembering values of for example text-style options (like 'none') so i need some tips how to remember ( but i guess the answer is google it :) )

---

## ACTIVITY — DISPLAY LAB

---



### EXERCISE

#### KEY OBJECTIVE

---

- ▶ Get practice using selectors

#### LOCATION OF FILES

---

- ▶ `starter_code_lesson_4` > **nested\_selectors** folder

#### TIMING

---

*5 min*

1. First make all the anchors on the page #FFA7C0
2. Then make the anchors within the header nav #D16121
3. Lastly, make the anchors in the footer nav #FFE540



---

**FEWD**

---

**DISPLAY**

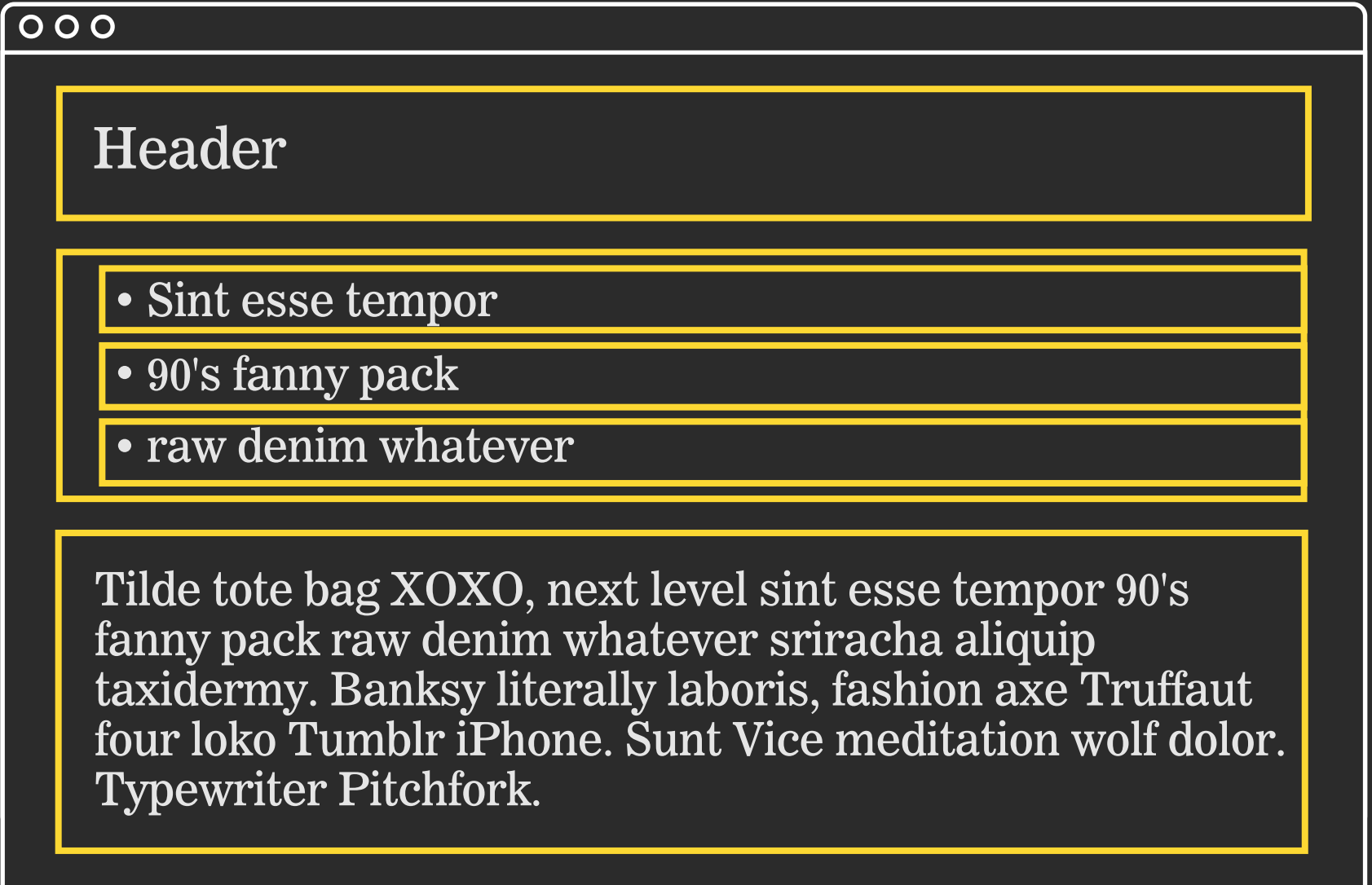
# BUILDING BLOCKS

## BLOCK-LEVEL ELEMENTS

- ▶ Will always start on a new line

Examples:

- ▶ `<h1>-<h6>`
- ▶ `<ul>`
- ▶ `<li>`
- ▶ `<p>`
- ▶ `<ol>`
- ▶ `<div>`



## BUILDING BLOCKS

### INLINE ELEMENTS

Will always appear to continue on the same line as their neighboring elements

Examples:

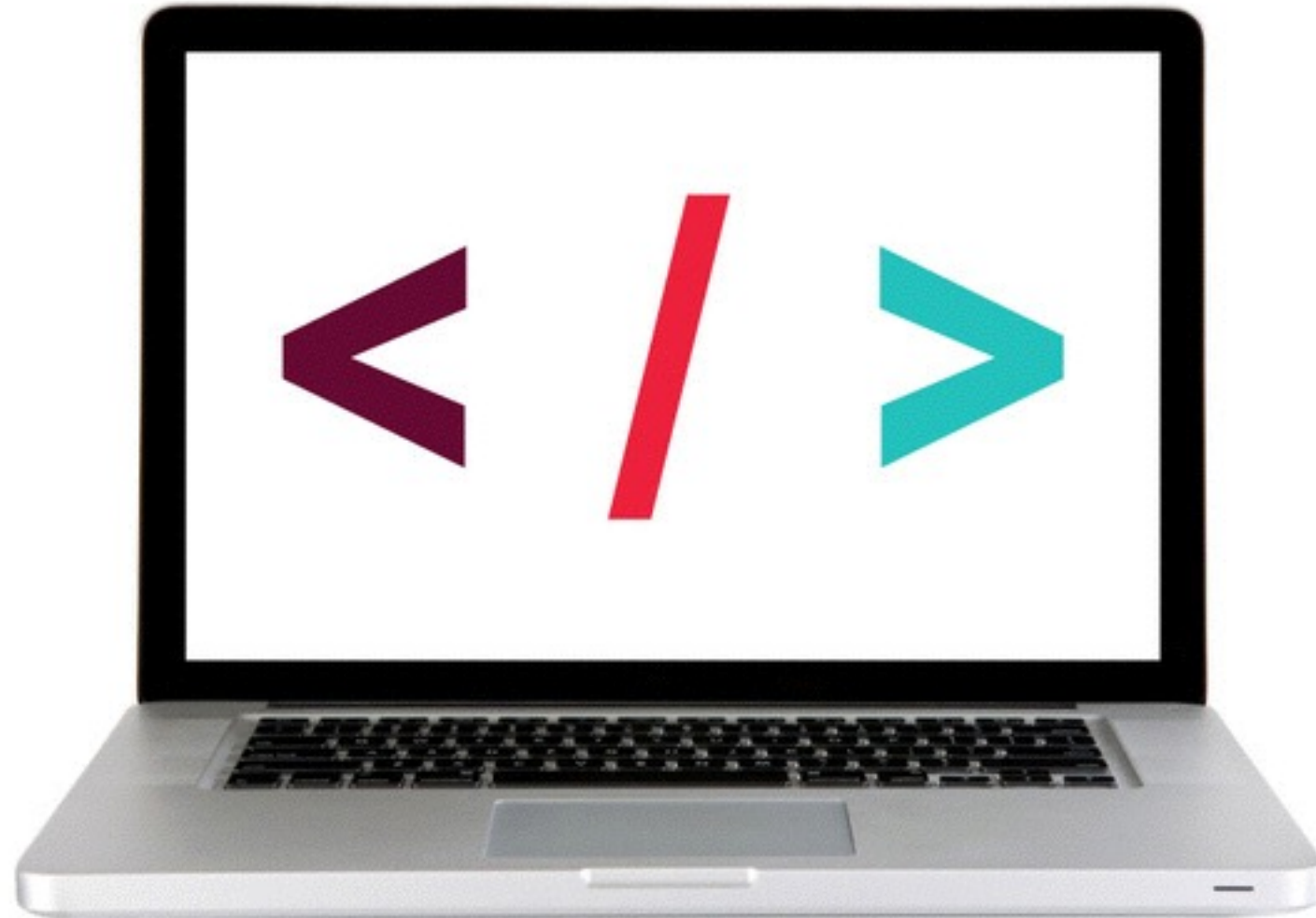
- ▶ `<a>`
- ▶ `<img>`
- ▶ `<em>`
- ▶ `<strong>`
- ▶ `<span>`



---

## LET'S TAKE A CLOSER LOOK – PART 1

---



---

## DIMENSION – A KEY DIFFERENCE BETWEEN INLINE AND BLOCK ELEMENTS

---

If you try to add dimension to an inline element:

- Some properties will be applied
- Some properties will be *partially* applied
- Others will *not* be applied at all

The most noticeable properties are width, height, margin and padding.



---

# DIMENSION – A KEY DIFFERENCE BETWEEN INLINE AND BLOCK ELEMENTS

---

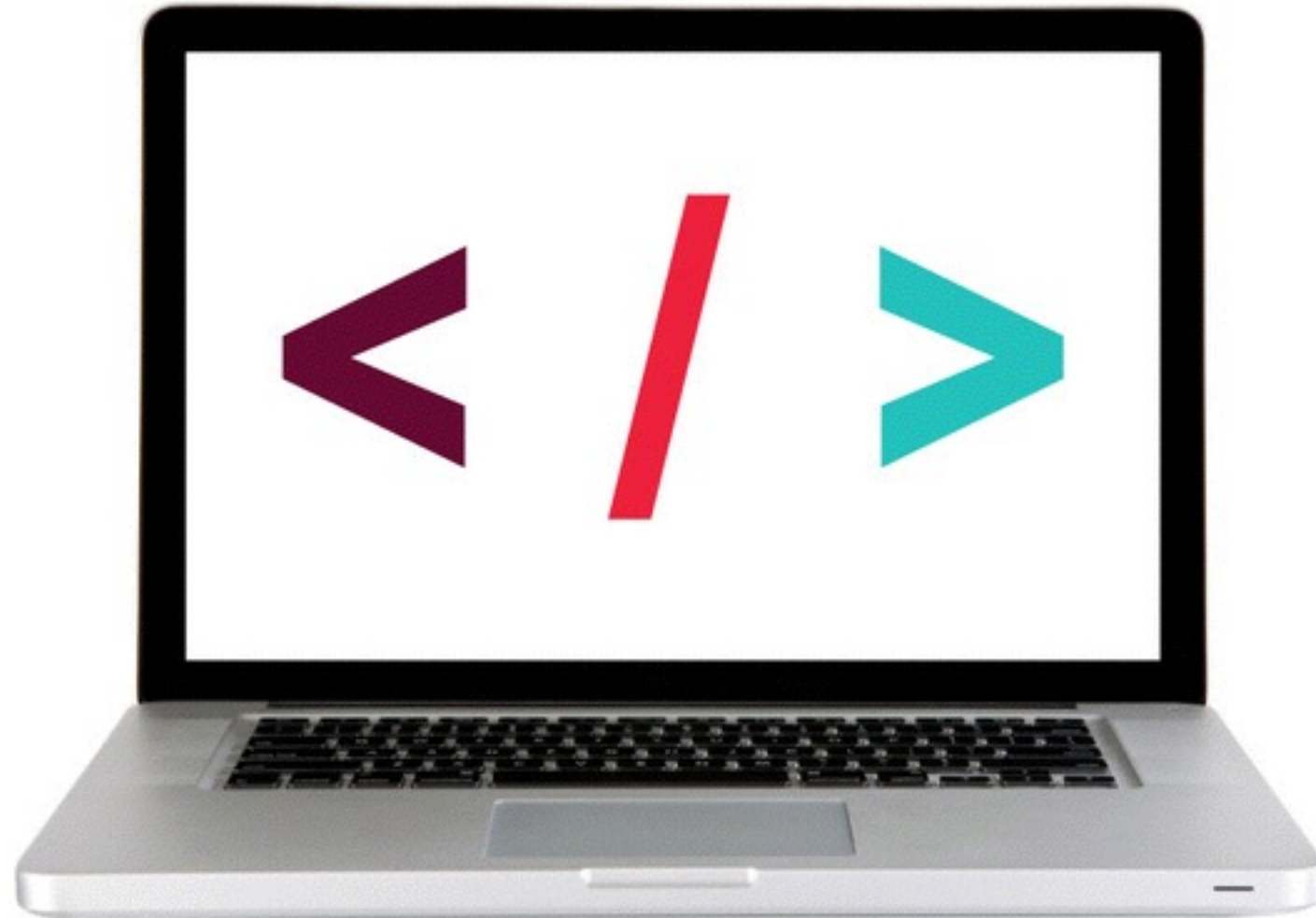
## SUMMARY — WHICH DIMENSIONS CAN BE CHANGED?

	WIDTH & HEIGHT	PADDING & MARGIN
BLOCK	yes	can apply to all sides
INLINE	no	will only affect left and right sides

---

## LET'S TAKE A CLOSER LOOK – PART 2

---



## DISPLAY

---

You can change whether elements are displayed as inline or block elements by using the **display** property.

```
li {  
  display: inline-block;  
}
```

---

## DISPLAY — INLINE

---

To make a block-level element act like an inline element:

### BEFORE:

Monday

Tuesday

Wednesday

```
li {  
  display: inline;  
}
```

Monday

Tuesday

Wednesday

- Elements will sit next to each other
- **Still can't set a width, height, or margin and padding on top and bottom**

---

## DISPLAY — INLINE-BLOCK

---

Make a block-level element flow like an inline element, while allowing us to set a width, height, padding, and margin:

### BEFORE:

Monday

Tuesday

Wednesday

```
li {  
  display: inline-block;  
}
```

Monday

Tuesday

Wednesday

- Elements will sit on a line next to each other
- We can now set a width, height, and margin & padding on top and bottom!!



---

## DISPLAY — BLOCK

---

Make an inline element act like a block-level element:

### BEFORE:

[Link](#)

[Link](#)

[Link](#)

```
a {  
  display: block;  
}
```

[Link](#)

[Link](#)

[Link](#)

- Elements will stack on top of each other
- We can add all dimensions (width, height, padding, margin)

---

## DISPLAY — NONE

---

Hide an element from the page:

### BEFORE:

Monday

Tuesday

Wednesday

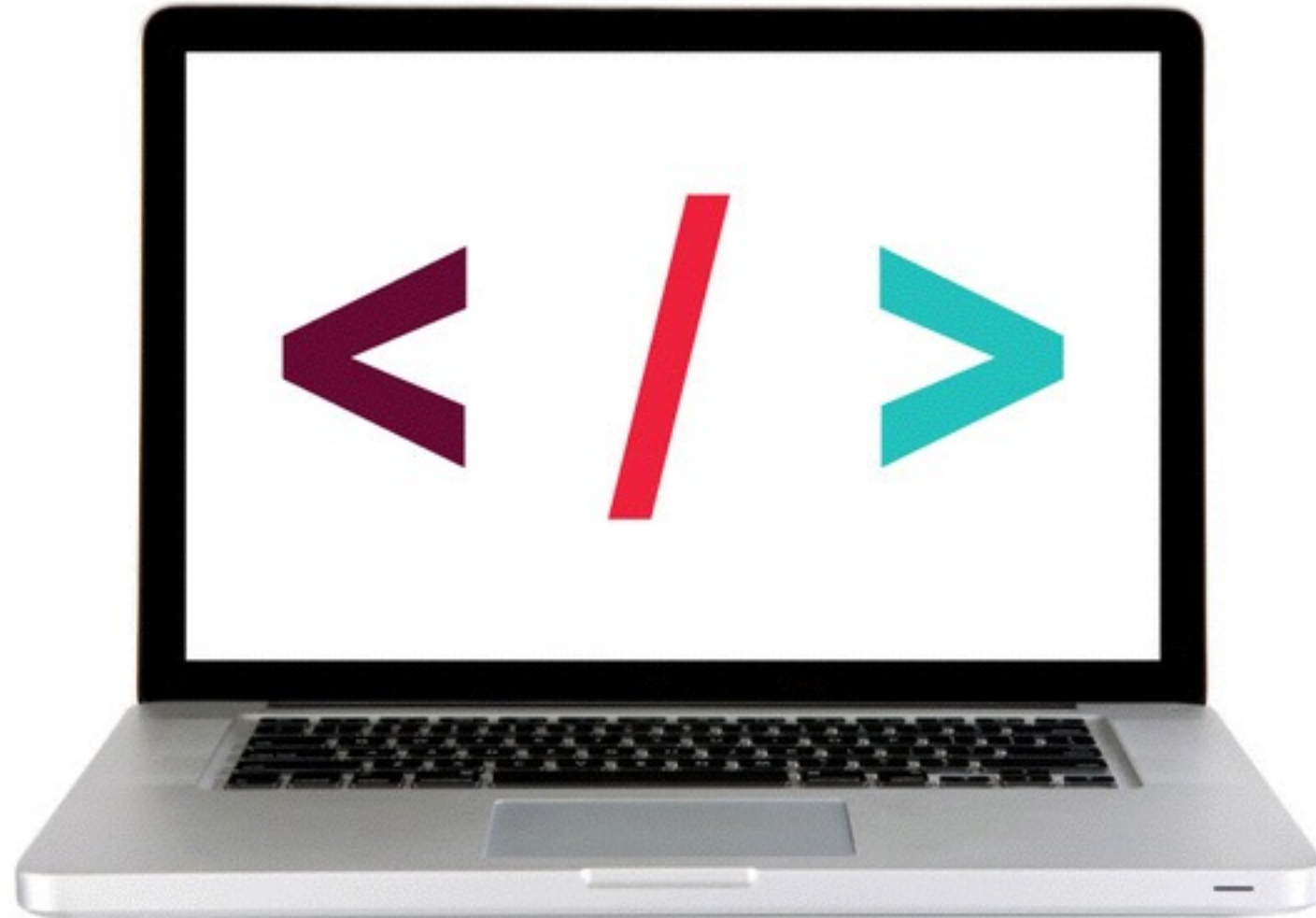
```
li {  
  display: none;  
}
```

► Elements will be hidden from the page

---

## LET'S TAKE A CLOSER LOOK

---



---

# TEXT-ALIGN

---

	TEXT-ALIGN
BLOCK	yes
INLINE / INLINE-BLOCK	no

# ACTIVITY — DISPLAY LAB

---



## EXERCISE

### KEY OBJECTIVE

---

- ▶ Get practice using the 'display' property

### LOCATION OF FILES

---

- ▶ `starter_code_lesson_4` > **display\_lab** folder

### TIMING

---

*5 min*

1. Follow the instructions in steps 1-4

---

**FEWD**

---

**DIVS**

---

## GROUPING TEXT & ELEMENTS

---

### THE <DIV> ELEMENT

- Allows us to group a set of HTML elements together into a **block-level** box
- We can then style that chunk of HTML

### THE <SPAN> ELEMENT

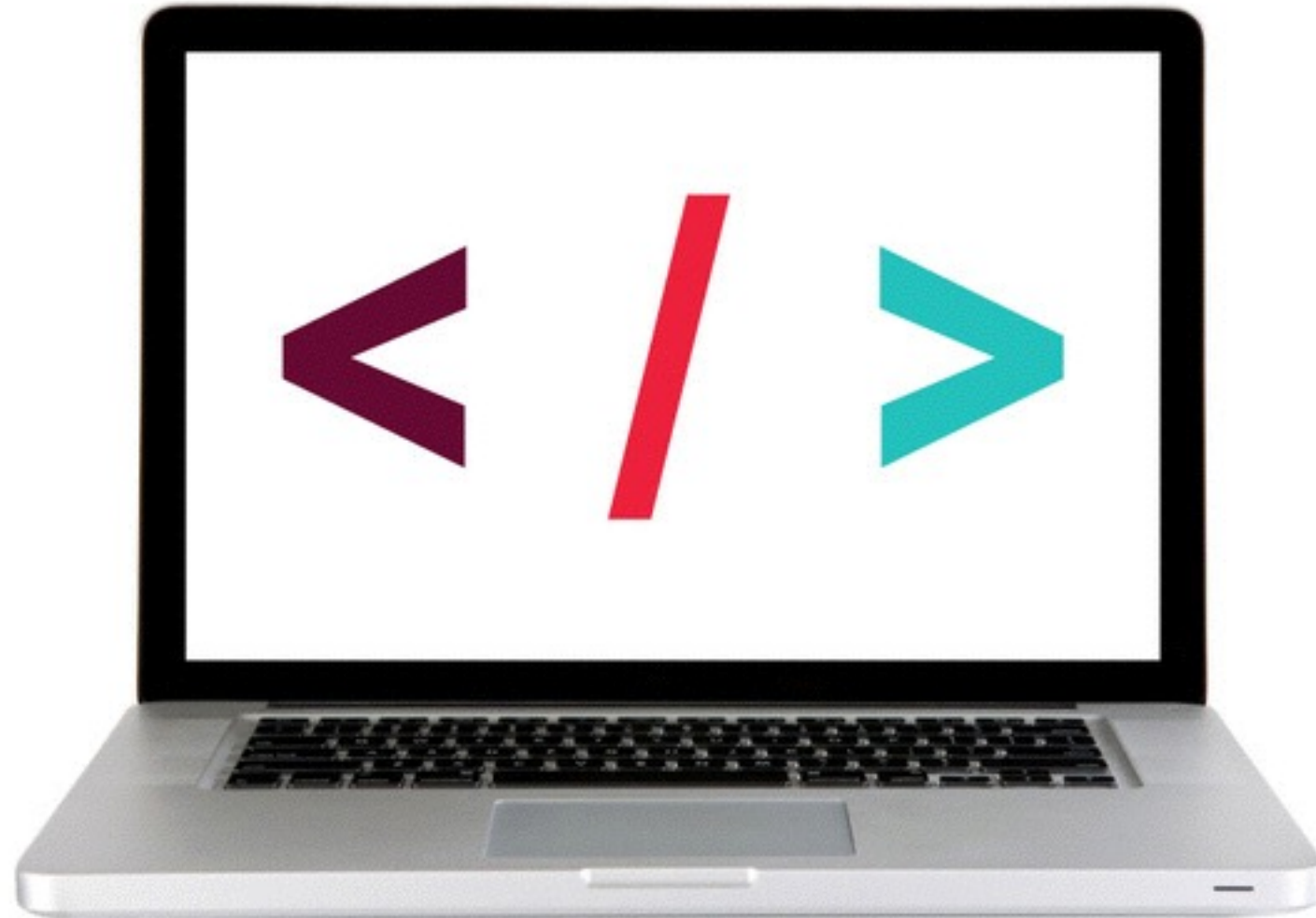
The <span> element acts like the **inline equivalent** of the <div> element. It is used to either:

1. Style one little piece of text within a larger paragraph
2. Contain several inline elements

---

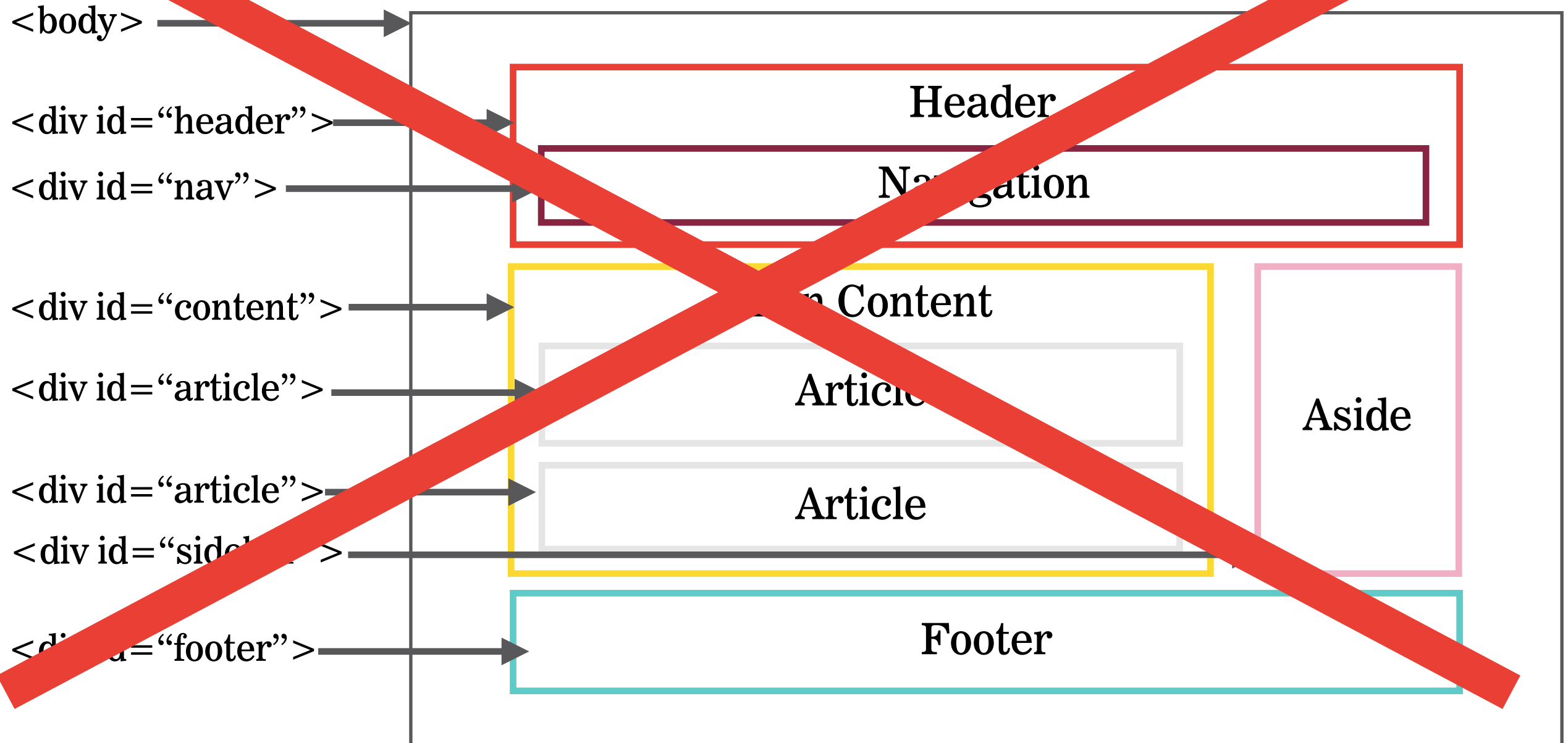
**LET'S TAKE A LOOK**

---





## ~~DIV = SECTIONING OFF PARTS OF A WEBPAGE (OLD WAY OF DOING THINGS)~~



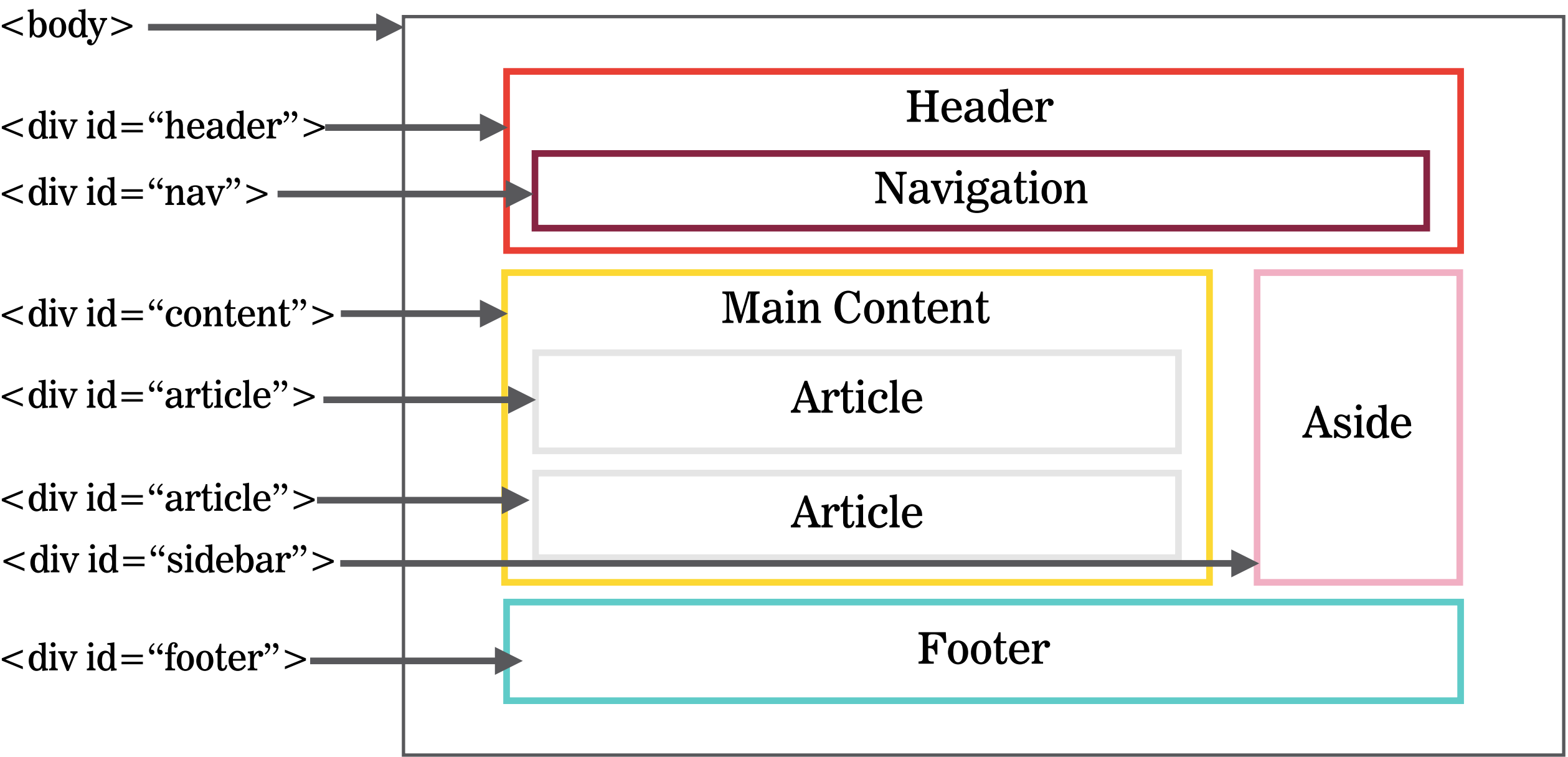
---

**FEWD**

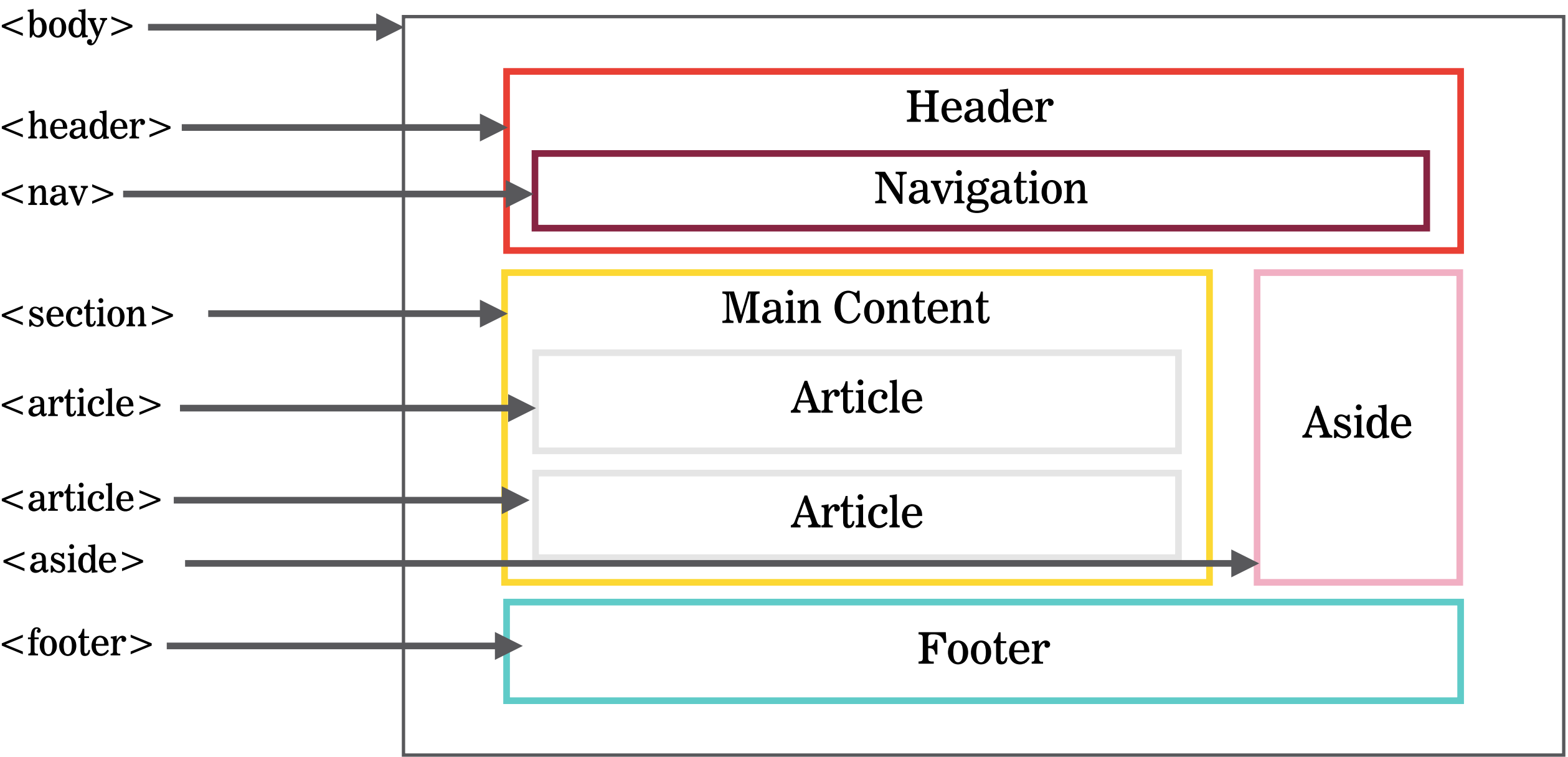
---

# HTML5 STRUCTURAL ELEMENTS

# TRADITIONAL HTML LAYOUTS



# STRUCTURAL ELEMENTS



# STRUCTURAL ELEMENTS

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>HTML5 World</title>
</head>
<body>

  <div id="header">
    <h1>Page title</h1>
    <div id="nav">
      <a href="">Link to page</a>
      <a href="">Link to page</a>
    </div>
  </div>

  <div id="content">
    <div id="article">
      <p>Hi! I'm an article</p>
    </div>
    <div id="article">
      <p>Hi! I'm an article</p>
    </div>
  </div>

  <div id="sidebar">
    <p>Hi, I'm the sidebar</p>
  </div>

  <div id="footer">
    <p>Copyright info</p>
  </div>

</body>
</html>
```

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>HTML5 World</title>
</head>
<body>

  <header>
    <h1>Page title</h1>
    <nav>
      <a href="">Link to page</a>
      <a href="">Link to page</a>
    </nav>
  </header>

  <section>
    <article>
      <p>Hi! I'm an article</p>
    </div>
    <article>
      <p>Hi! I'm an article</p>
    </div>
  </section>

  <aside>
    <p>Hi, I'm the sidebar</p>
  </aside>

  <footer>
    <p>Copyright info</p>
  </footer>

</body>
</html>
```

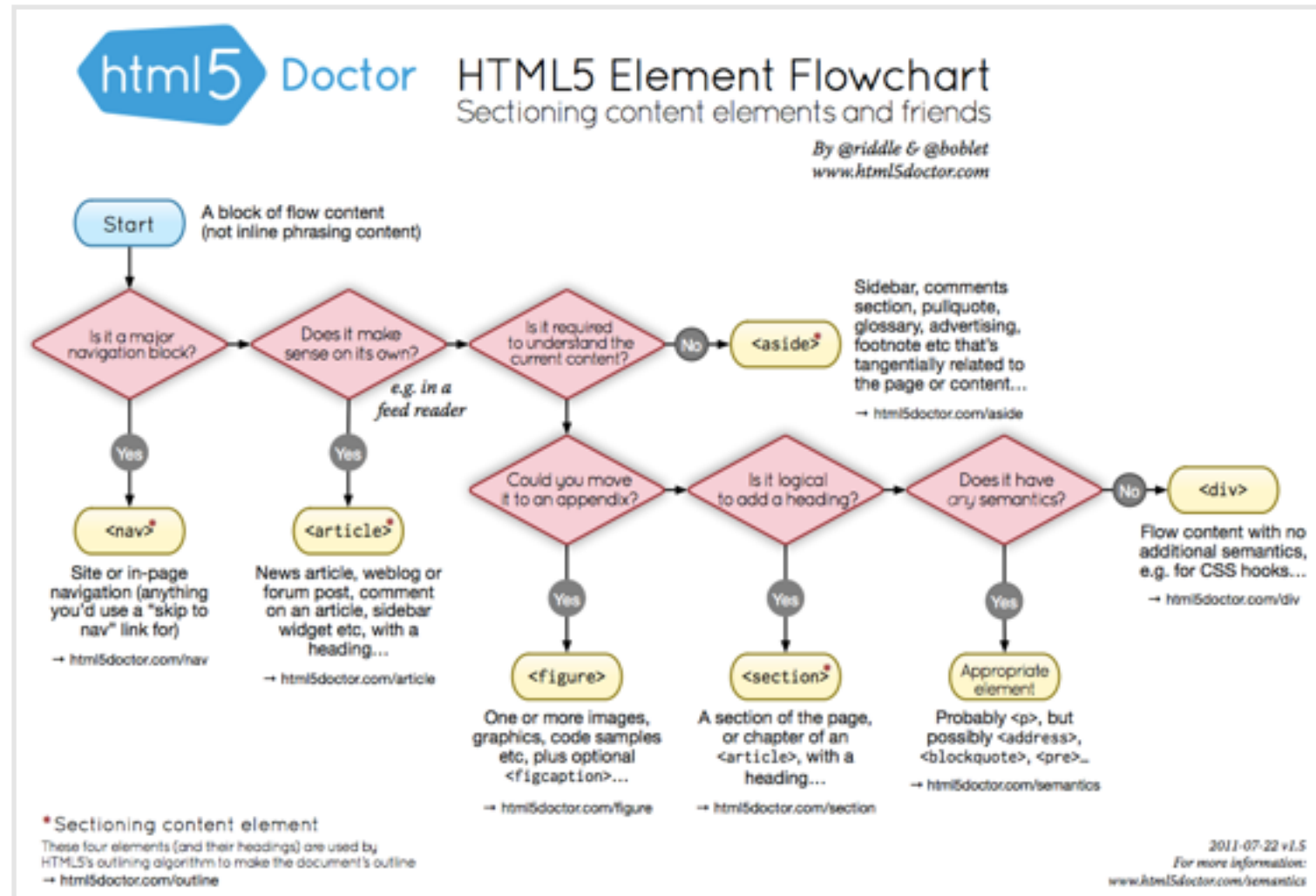
---

## SO...IS THERE STILL A PLACE FOR DIVS IN AN HTML5 WORLD?

---

- Yes! The `<div>` still has a place in the HTML5 world
- You should use `<div>` when there is **no other element that suits your purpose**
- Its most common use will likely be for **stylistic purposes** — i.e., wrapping some HTML in a CSS-styled container.

# HTML5 ELEMENT FLOWCHART



---

## ACTIVITY — 'DIV' UP THE CONTENT

---



### EXERCISE

#### KEY OBJECTIVE

---

- Identify content sections

#### TYPE OF EXERCISE

---

- Partner

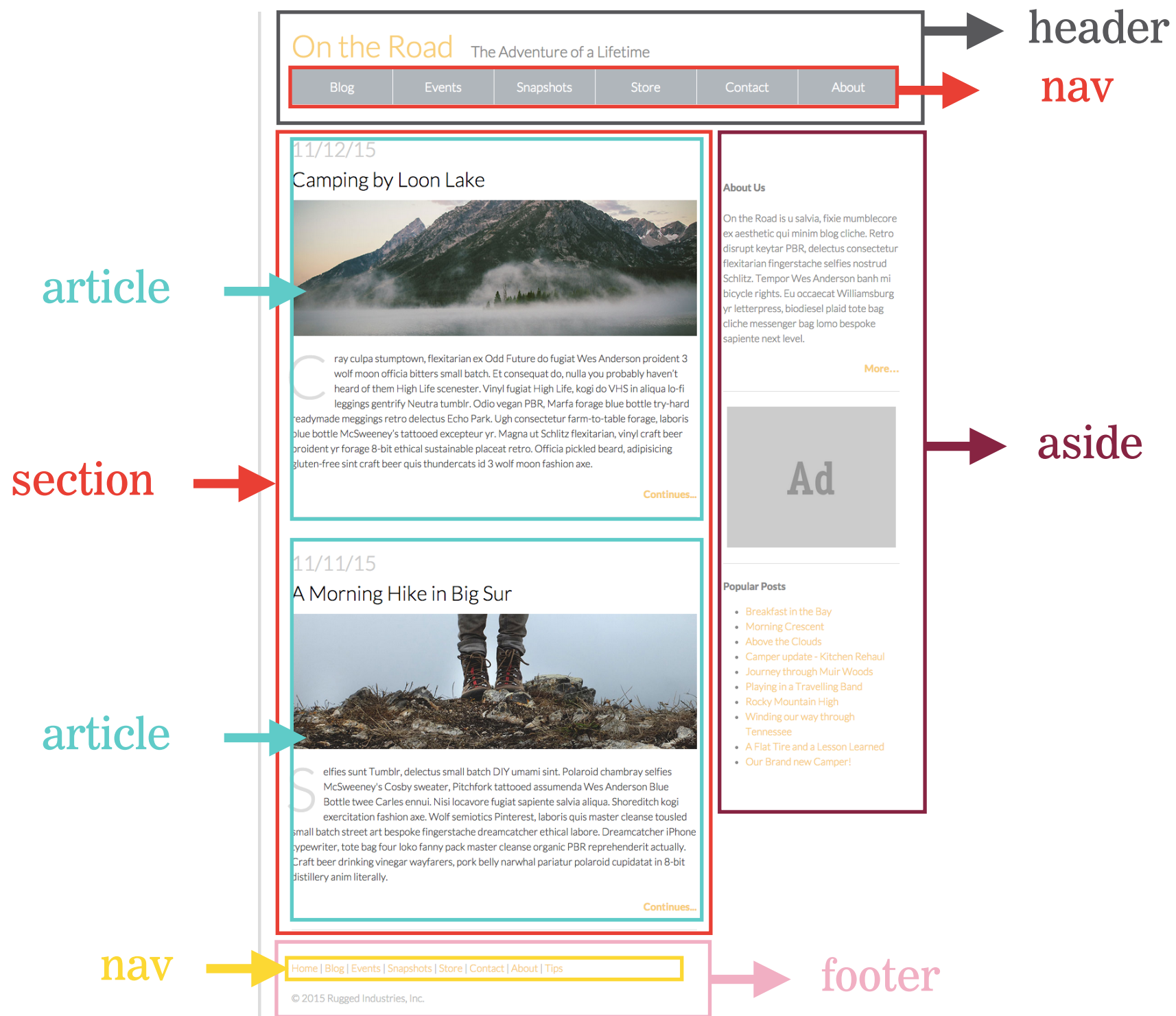
#### TIMING

---

*8 min*

1. First draw boxes around the content you think should live inside a sectioning element — a div, header, footer, etc.
2. Then determine which boxes/divs should have a class or id. Look for similarities to determine what should be a class.





---

## STEPS TO ACHIEVE A MULTI-COLUMN LAYOUT

---

**1. MAKE SURE EACH COLUMN HAS A WRAPPER AROUND IT IN YOUR HTML**

**2. GIVE A WIDTH TO EACH COLUMN**

**3. FLOAT EACH COLUMN TO LEFT**

**4. CLEAR ANYTHING UNDERNEATH YOUR COLUMNS I.E. A FOOTER  
USING THE CSS CLEAR PROPERTY (CLEAR: BOTH;)**

**5. CLEARFIX CLASS TO THE PARENT OF ANY FLOATED ELEMENTS**

**6. USE PADDING TO ADD SPACE BETWEEN COLUMNS**

**7. ADD BOX-SIZING: BORDER-BOX; TO EVERYTHING**

# LET'S TAKE A CLOSER LOOK

## BEATLES — DRIVE MY CAR

### LYRICS

Asked a girl what she wanted to be  
She said baby, "Can't you see  
I wanna be famous, a star on the screen  
But you can do something in between"

Baby you can drive my car  
Yes I'm gonna be a star  
Baby you can drive my car  
And maybe I love you

I told a girl that my prospects were good  
And she said baby, "It's understood  
Working for peanuts is all very fine  
But I can show you a better time"

I told that girl I can start right away  
And she said, "Listen baby I got something to say  
I got no car and it's breaking my heart  
But I've found a driver and that's a start"

Baby you can drive my car  
Yes I'm gonna be a star  
Baby you can drive my car  
And maybe I love you  
Beep beep'm beep beep yeah  
Beep beep'm beep beep yeah  
Beep beep'm beep beep yeah  
Beep beep'm beep beep yeah (fade out)

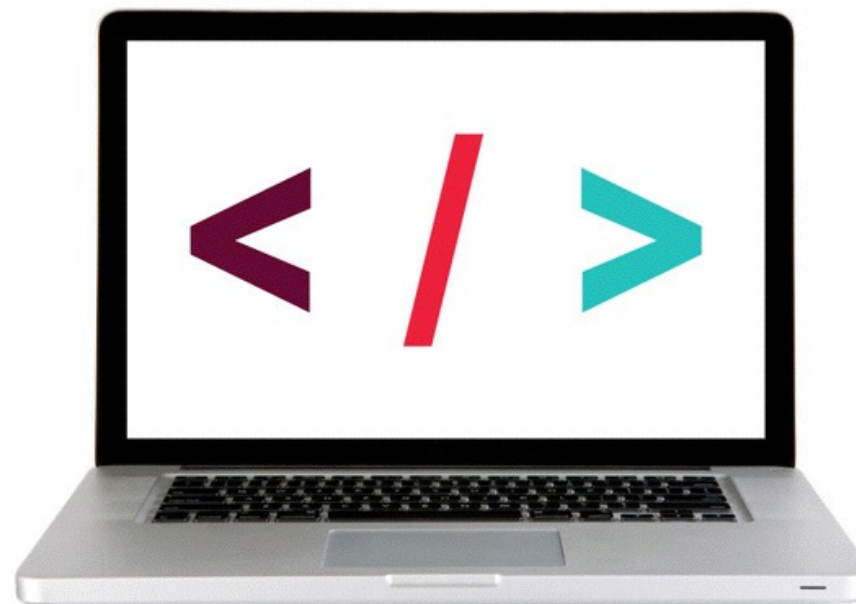
### ALBUM INFO



Rubber Soul is the sixth studio album by English rock band the Beatles, released on 3 December 1965.

- Album: Rubber Soul
- Release Date: December 3, 1965

COPYRIGHT © 2016 LYRICMANIA BABY



---

## ACTIVITY — FLOATS LAB

---



### EXERCISE

#### KEY OBJECTIVE

---

- ▶ Work through steps to create a multi-column layout

#### LOCATION OF FILES

---

- ▶ `starter_code_lesson_4` > **`floating_sections_lab`** folder

#### TIMING

---

*2 min*

1. Follow steps #1 and #2 in `index.html`

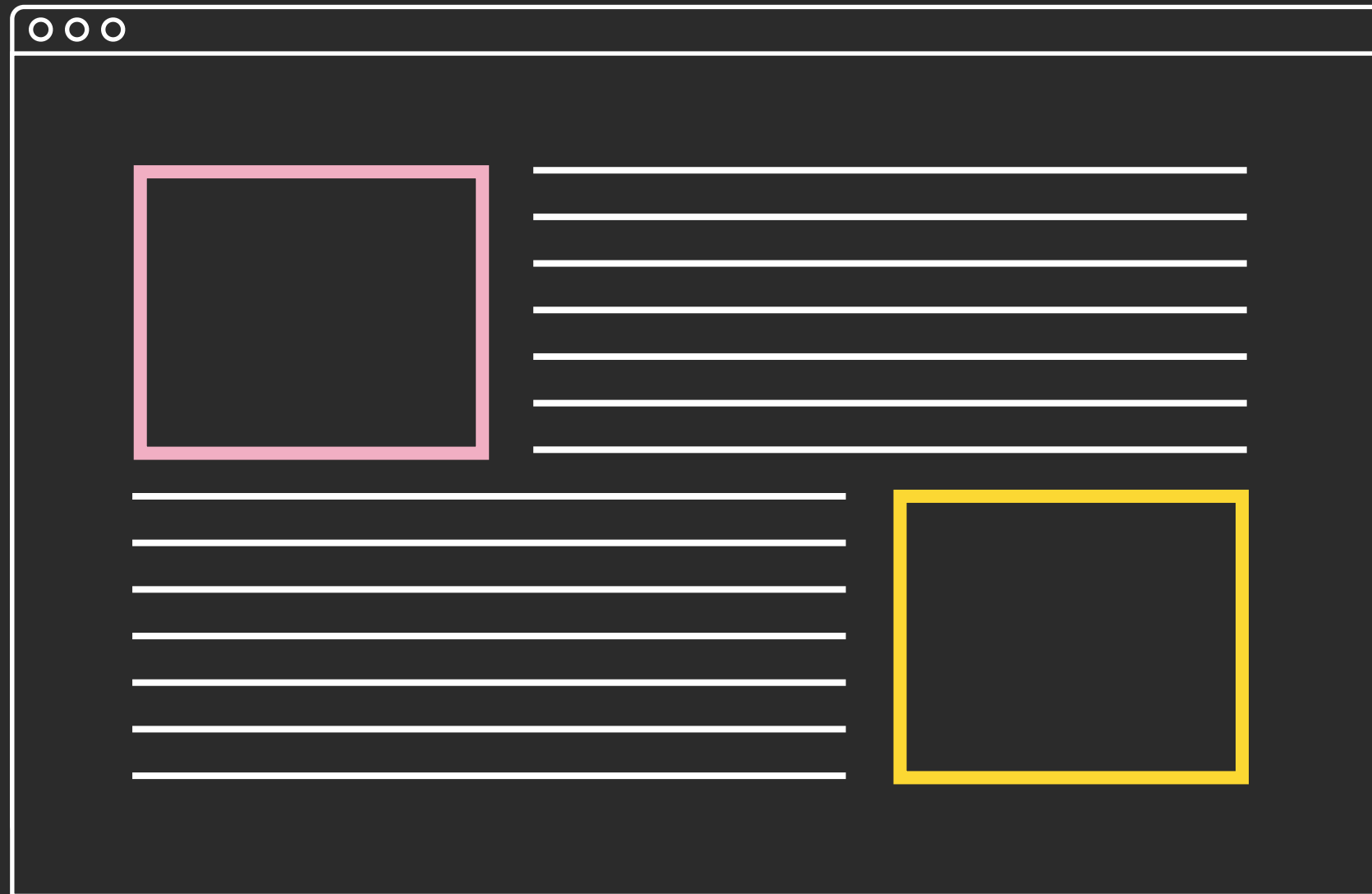
---

**FEWD**

---

**FLOATS**

# CSS — FLOATS



---

# FLOATS

---

Values for the float property:

```
p {  
  float: left;  
}
```

▸ **float: left;** Floats an element to the left side

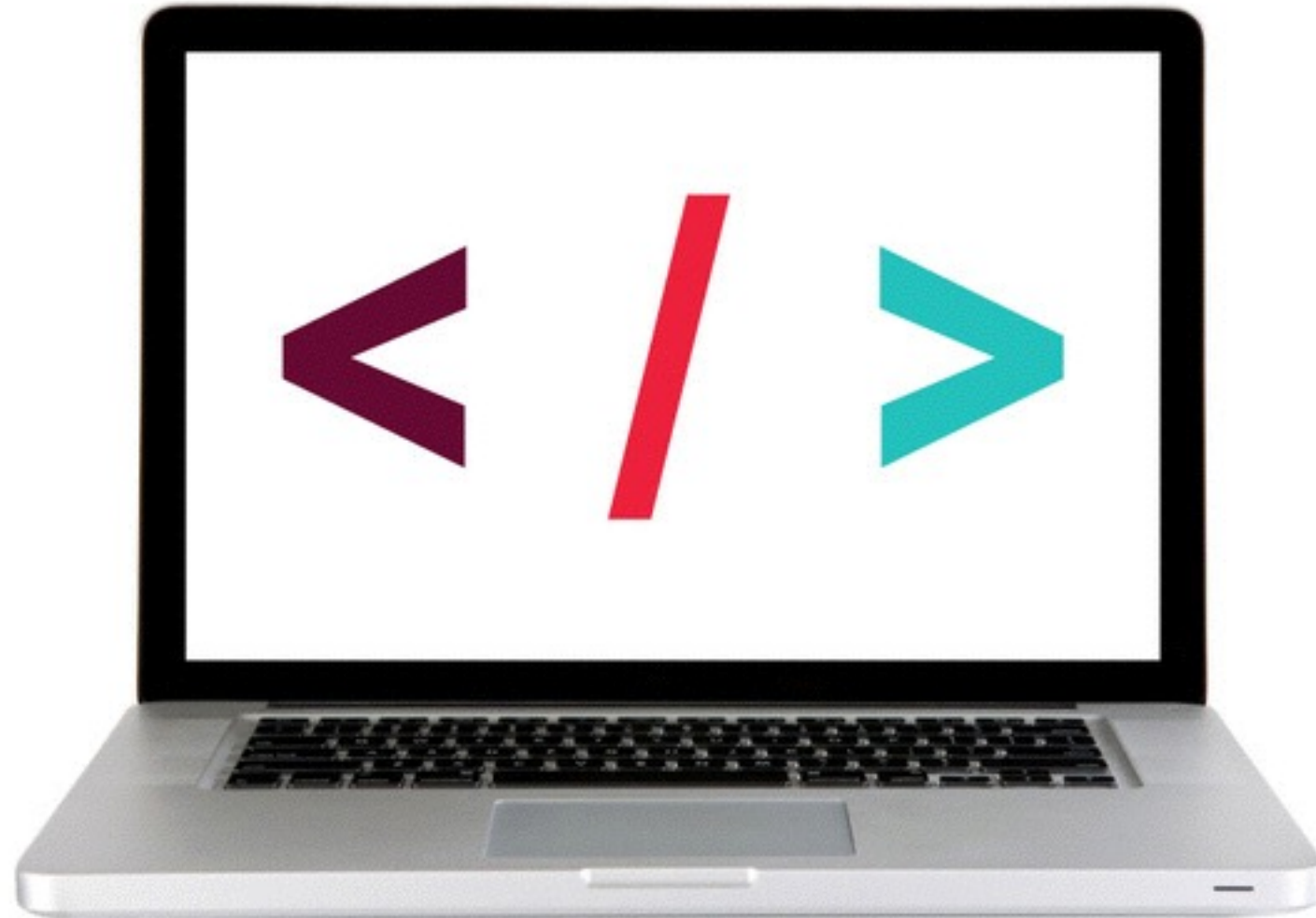
```
h1 {  
  float: right;  
}
```

▸ **float: right;** Floats an element to the right side

---

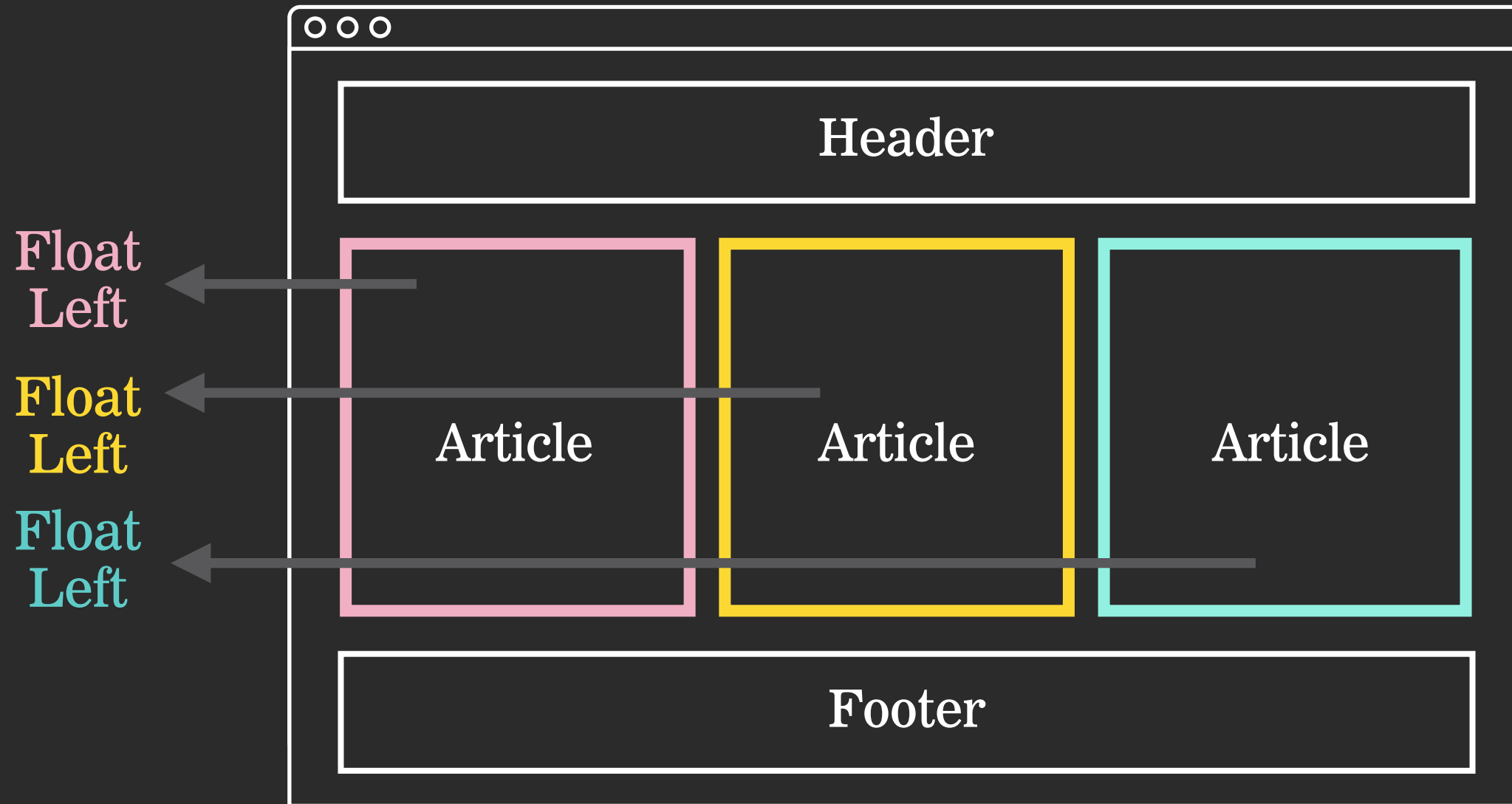
**LET'S TAKE A LOOK**

---





## CSS — MULTI-COLUMN LAYOUT



---

## STEPS TO ACHIEVE A MULTI-COLUMN LAYOUT

---

**1. MAKE SURE EACH COLUMN HAS A WRAPPER AROUND IT IN YOUR HTML**

**2. GIVE A WIDTH TO EACH COLUMN (PREFERABLY IN %)**

**3. FLOAT EACH COLUMN TO LEFT**

**4. CLEAR ANYTHING UNDERNEATH YOUR COLUMNS I.E. A FOOTER  
USING THE CSS CLEAR PROPERTY (CLEAR: BOTH;)**

**5. CLEARFIX CLASS TO THE PARENT OF ANY FLOATED ELEMENTS**

**6. USE PADDING TO ADD SPACE BETWEEN COLUMNS**

**7. ADD BOX-SIZING: BORDER-BOX; TO EVERYTHING**

# LET'S TAKE A CLOSER LOOK

## BEATLES — DRIVE MY CAR

### LYRICS

Asked a girl what she wanted to be  
She said baby, "Can't you see  
I wanna be famous, a star on the screen  
But you can do something in between"

Baby you can drive my car  
Yes I'm gonna be a star  
Baby you can drive my car  
And maybe I love you

I told a girl that my prospects were good  
And she said baby, "It's understood  
Working for peanuts is all very fine  
But I can show you a better time"

I told that girl I can start right away  
And she said, "Listen baby I got something to say  
I got no car and it's breaking my heart  
But I've found a driver and that's a start"

Baby you can drive my car  
Yes I'm gonna be a star  
Baby you can drive my car  
And maybe I love you  
Beep beep'm beep beep yeah  
Beep beep'm beep beep yeah  
Beep beep'm beep beep yeah  
Beep beep'm beep beep yeah (fade out)

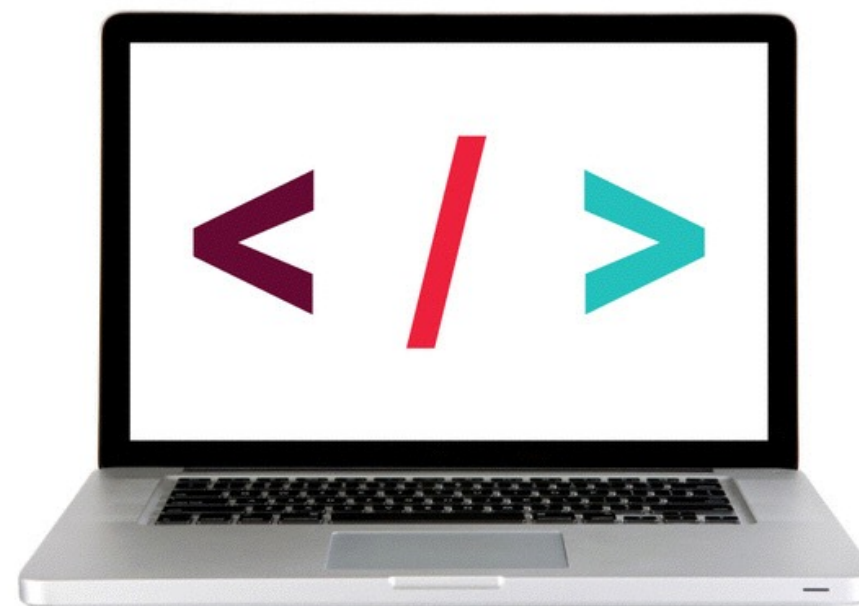
### ALBUM INFO



Rubber Soul is the sixth studio album by English rock band the Beatles, released on 3 December 1965.

- Album: Rubber Soul
- Release Date: December 3, 1965

COPYRIGHT © 2016 LYRICMANIA BABY



---

## ACTIVITY — FLOATS LAB

---



### EXERCISE

#### KEY OBJECTIVE

---

- ▶ Work through steps to create a multi-column layout

#### LOCATION OF FILES

---

- ▶ `starter_code_lesson_4` > **floating\_sections\_lab** folder

#### TIMING

---

*2 min*

1. Follow steps #4 - #7 in `style.css`. Steps are a little out of order! You can use command + f to open a search window and search for a step.

---

**FEWD**

---

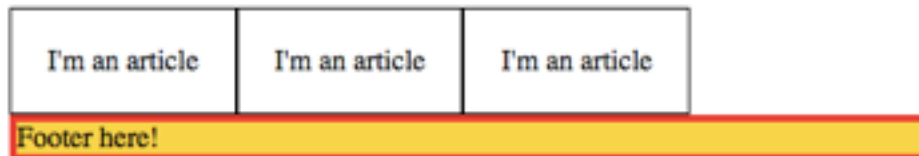
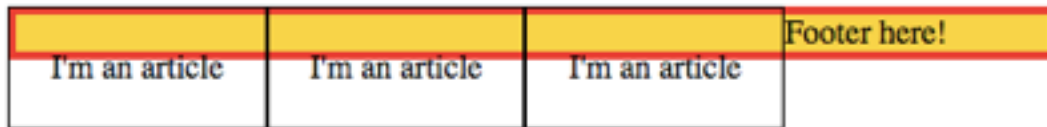
# FLOATS — LAYOUT ISSUES

---

## CLEARING FLOATS

---

We can make sure that an element starts on a new line by using *clear: both*;

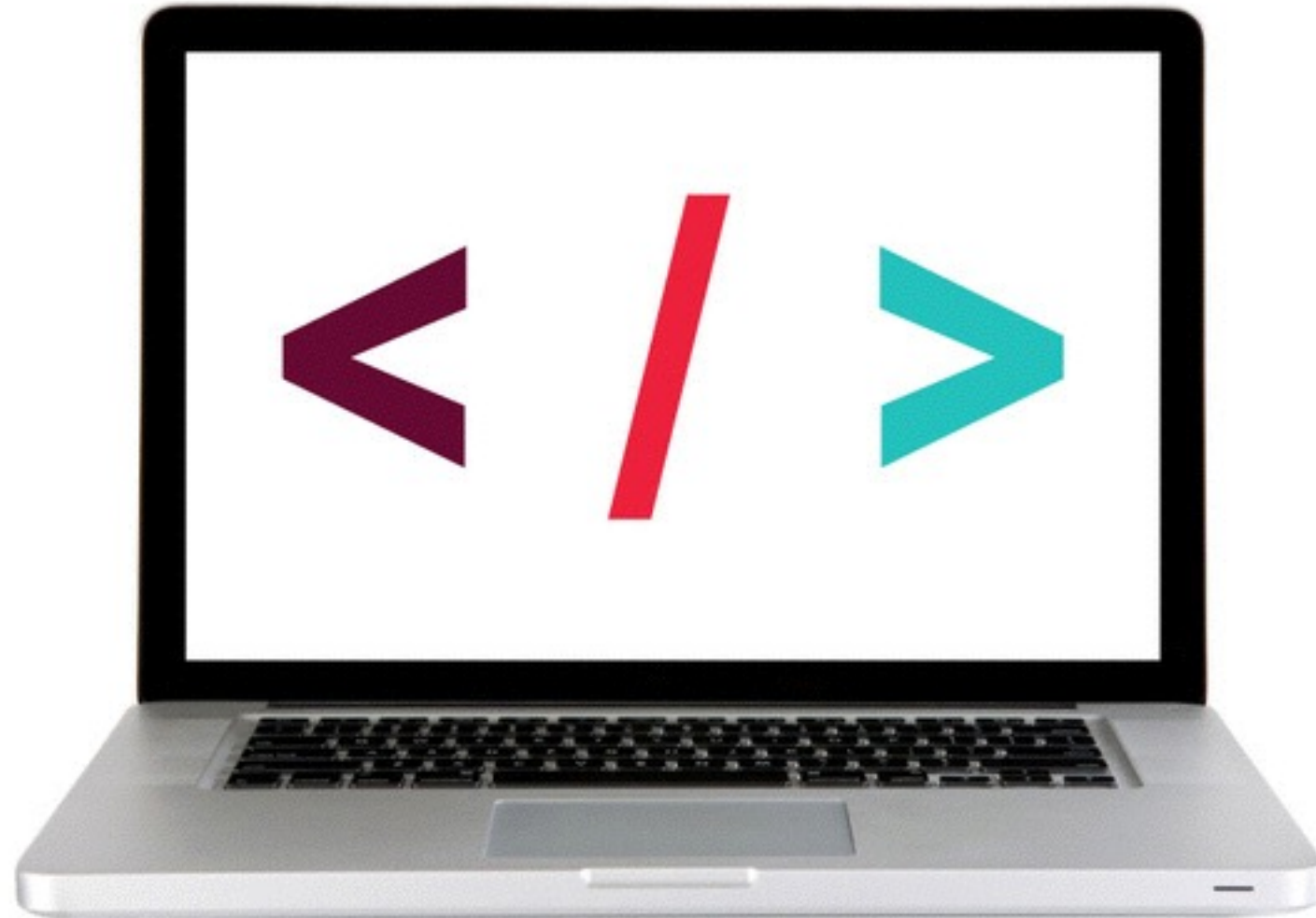


```
footer {  
  clear: both;  
}
```

---

**LET'S TAKE A LOOK**

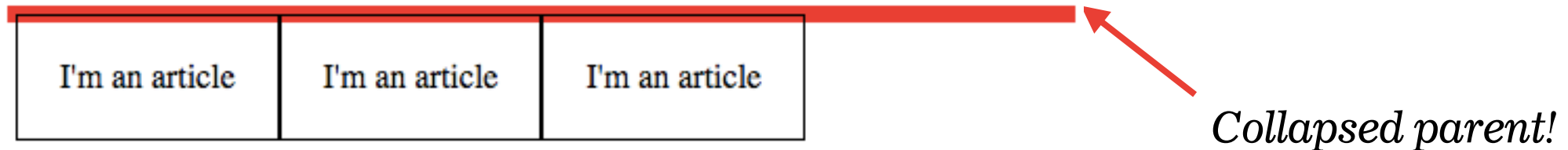
---



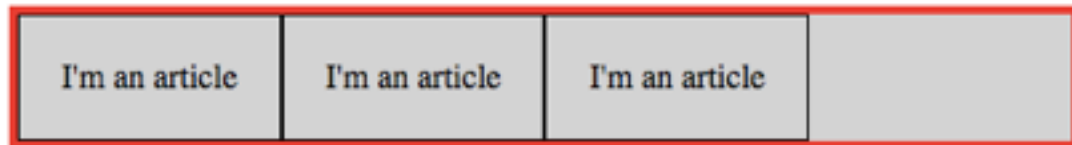
## PARENTS OF FLOATED ELEMENTS

- If a containing element **only contains floated elements**, some browsers will treat it as if it is zero pixels tall.

### PROBLEM:



### SOLUTION:



### PT. 1 — ADD CSS CLASS:

```
.clearfix:after {  
  content: "";  
  display: table;  
  clear: both;  
}
```

### PT. 2 — ADD CLASS TO HTML:

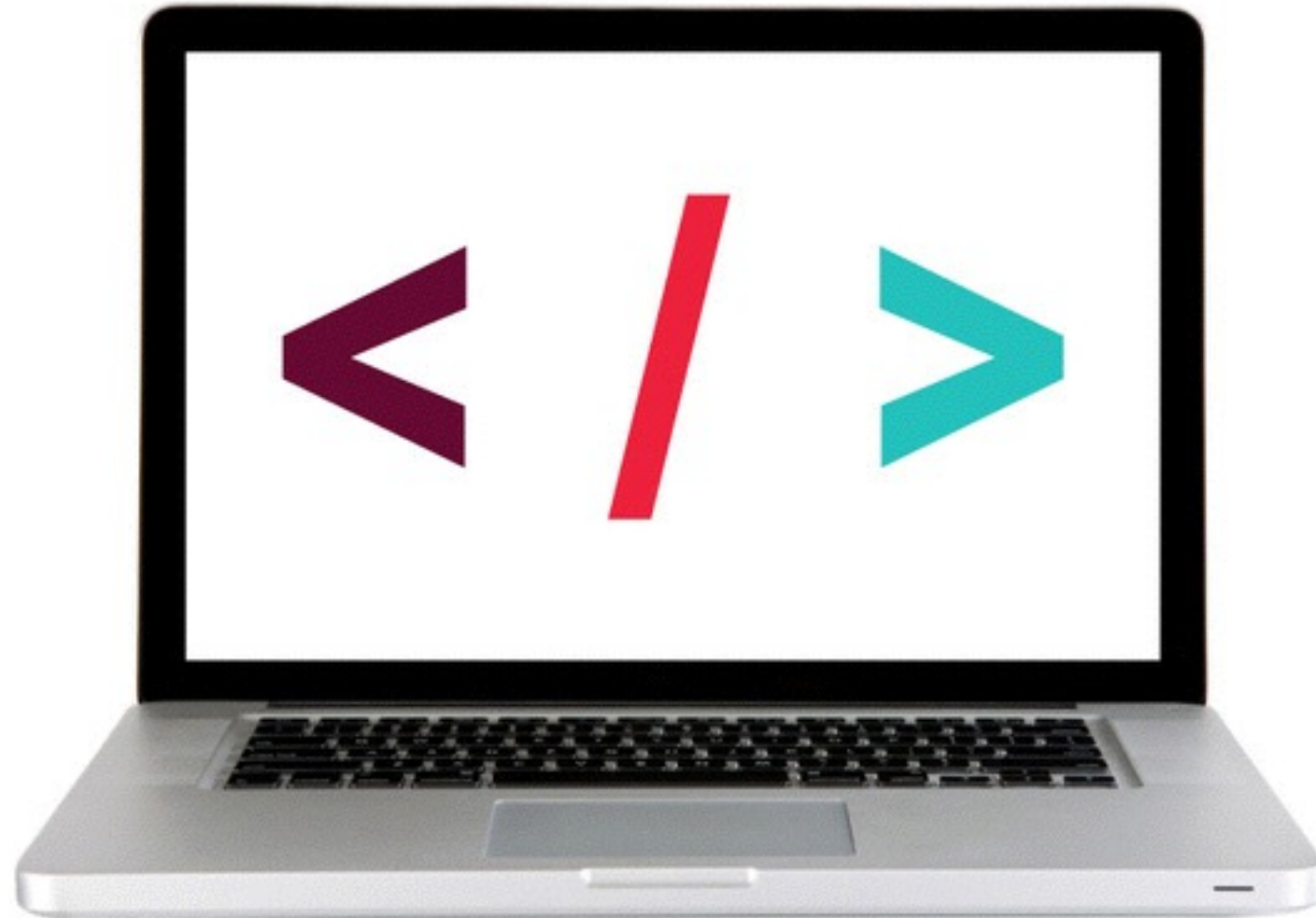
```
<div class="clearfix">  
  <p>1</p> <!-- float: left -->  
  <p>2</p> <!-- float: left -->  
  <p>3</p> <!-- float: left -->  
</div>
```



---

**LET'S TAKE A LOOK**

---

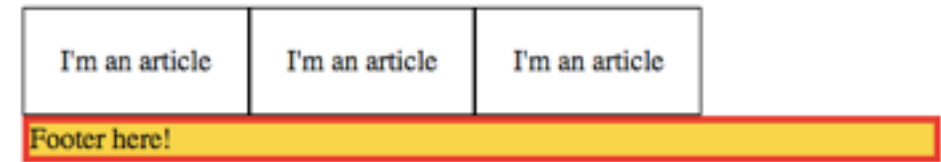
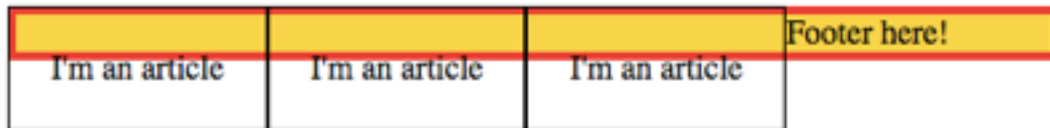


---

## CONFUSING NAMES — KEEPING THINGS STRAIGHT

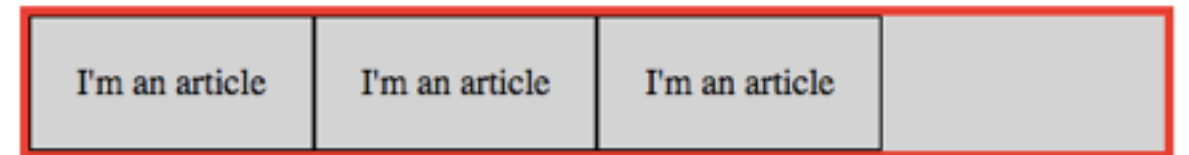
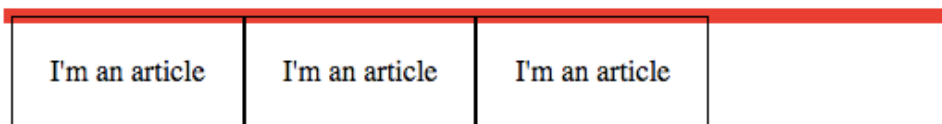
---

**CLEAR: BOTH;** *Make sure an element starts on a new line*



```
footer {  
  clear: both;  
}
```

**CLEARFIX:** *Fixes collapsed parent*



```
.clearfix:after {  
  content: "";  
  display: table;  
  clear: both;  
}
```

```
<div class="clearfix">  
  <p>1</p> <!-- float: left -->  
  <p>2</p> <!-- float: left -->  
  <p>3</p> <!-- float: left -->  
</div>
```

---

## STEPS TO ACHIEVE A MULTI-COLUMN LAYOUT

---

1. MAKE SURE EACH COLUMN HAS A WRAPPER AROUND IT IN YOUR HTML

2. GIVE A WIDTH TO EACH COLUMN

3. FLOAT EACH COLUMN TO LEFT

**4. CLEAR ANYTHING UNDERNEATH YOUR COLUMNS I.E. A FOOTER  
USING THE CSS CLEAR PROPERTY (CLEAR: BOTH;)**

**5. ADD CLEARFIX CLASS TO THE PARENT OF ANY FLOATED ELEMENTS**

6. USE PADDING TO ADD SPACE BETWEEN COLUMNS

7. ADD BOX-SIZING: BORDER-BOX; TO EVERYTHING

# LET'S TAKE A CLOSER LOOK

## BEATLES — DRIVE MY CAR

### LYRICS

Asked a girl what she wanted to be  
She said baby, "Can't you see  
I wanna be famous, a star on the screen  
But you can do something in between"

Baby you can drive my car  
Yes I'm gonna be a star  
Baby you can drive my car  
And maybe I love you

I told a girl that my prospects were good  
And she said baby, "It's understood  
Working for peanuts is all very fine  
But I can show you a better time"

I told that girl I can start right away  
And she said, "Listen baby I got something to say  
I got no car and it's breaking my heart  
But I've found a driver and that's a start"

Baby you can drive my car  
Yes I'm gonna be a star  
Baby you can drive my car  
And maybe I love you  
Beep beep'm beep beep yeah  
Beep beep'm beep beep yeah  
Beep beep'm beep beep yeah  
Beep beep'm beep beep yeah (fade out)

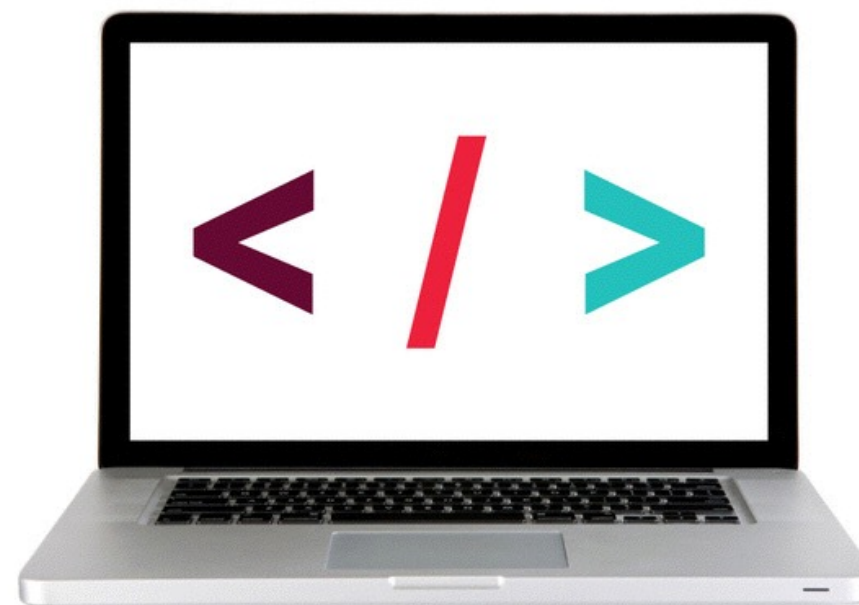
### ALBUM INFO



Rubber Soul is the sixth studio album by English rock band the Beatles, released on 3 December 1965.

- Album: Rubber Soul
- Release Date: December 3, 1965

COPYRIGHT © 2016 LYRICMANIA BABY



---

## ACTIVITY — FLOATS LAB

---



### EXERCISE

#### KEY OBJECTIVE

---

- ▶ Work through steps to create a multi-column layout

#### LOCATION OF FILES

---

- ▶ `starter_code_lesson_4` > **`floating_sections_lab`** folder

#### TIMING

---

*2 min*

1. Follow step #8 in `style.css`.
2. Follow step #9 in `index.html`

---

**FEWD**

---

**BOX-SIZING FTW!**

---

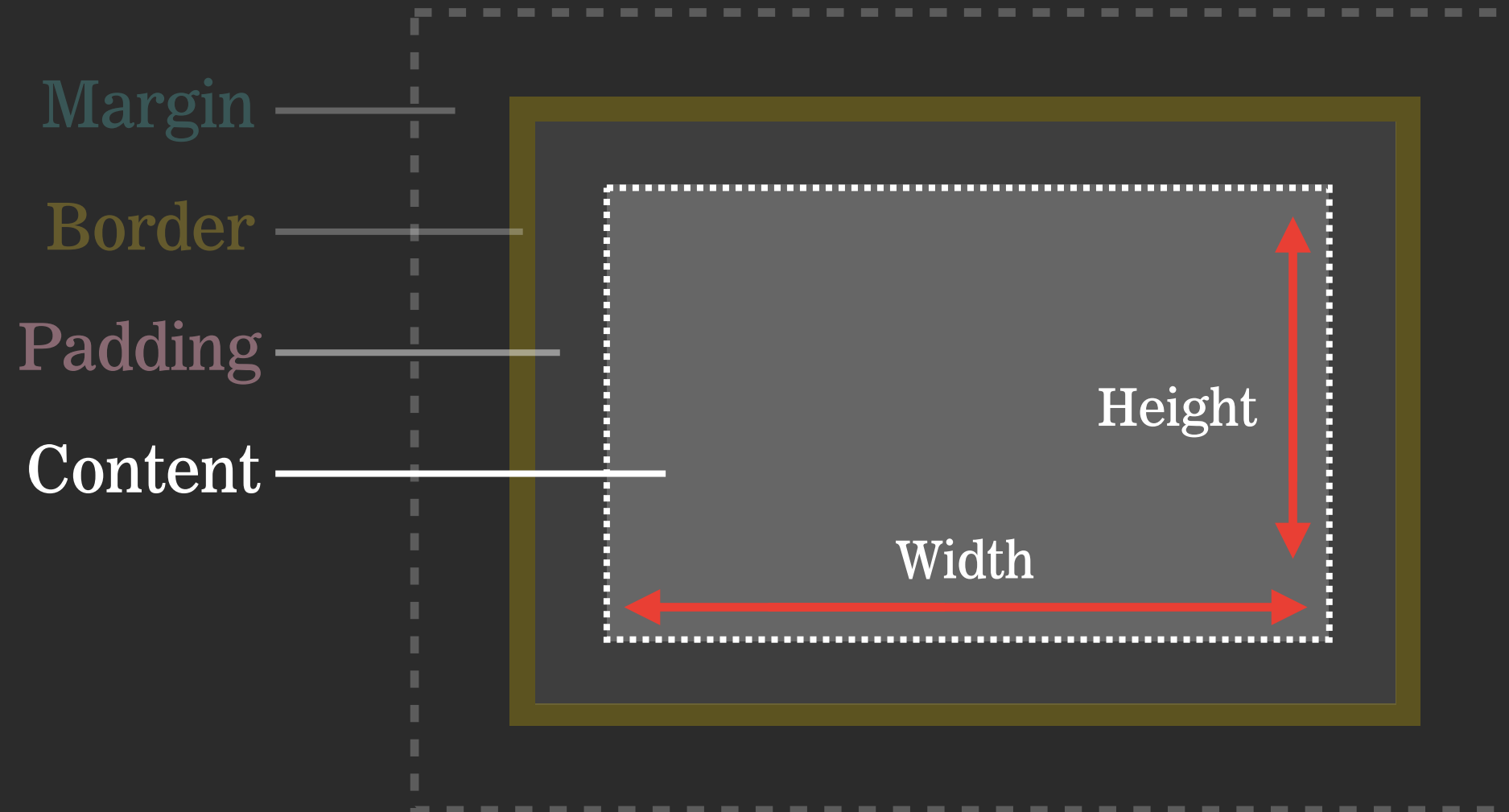
## DEFAULT BOX-SIZING

---

Default box-sizing for every element:

```
box-sizing: content-box;
```

## BOX-SIZING: CONTENT BOX





---

## THE DEFAULT WAY — BOX-SIZING: CONTENT-BOX;

---

- ▶ **Default box-sizing** (box-sizing: content-box): As soon as an element has either padding or border applied, the actual rendered width is wider than the width you set in your CSS.

**Actual width** = *width* + *border-left* + *border-right* + *padding-left* + *padding-right*



**WIDTH: 25%;**

**TOTAL WIDTH: 25%**



**WIDTH: 25%;  
BORDER: 6PX SOLID PINK;**

**TOTAL WIDTH: 25% + 6px + 6px**

**BOO!**

---

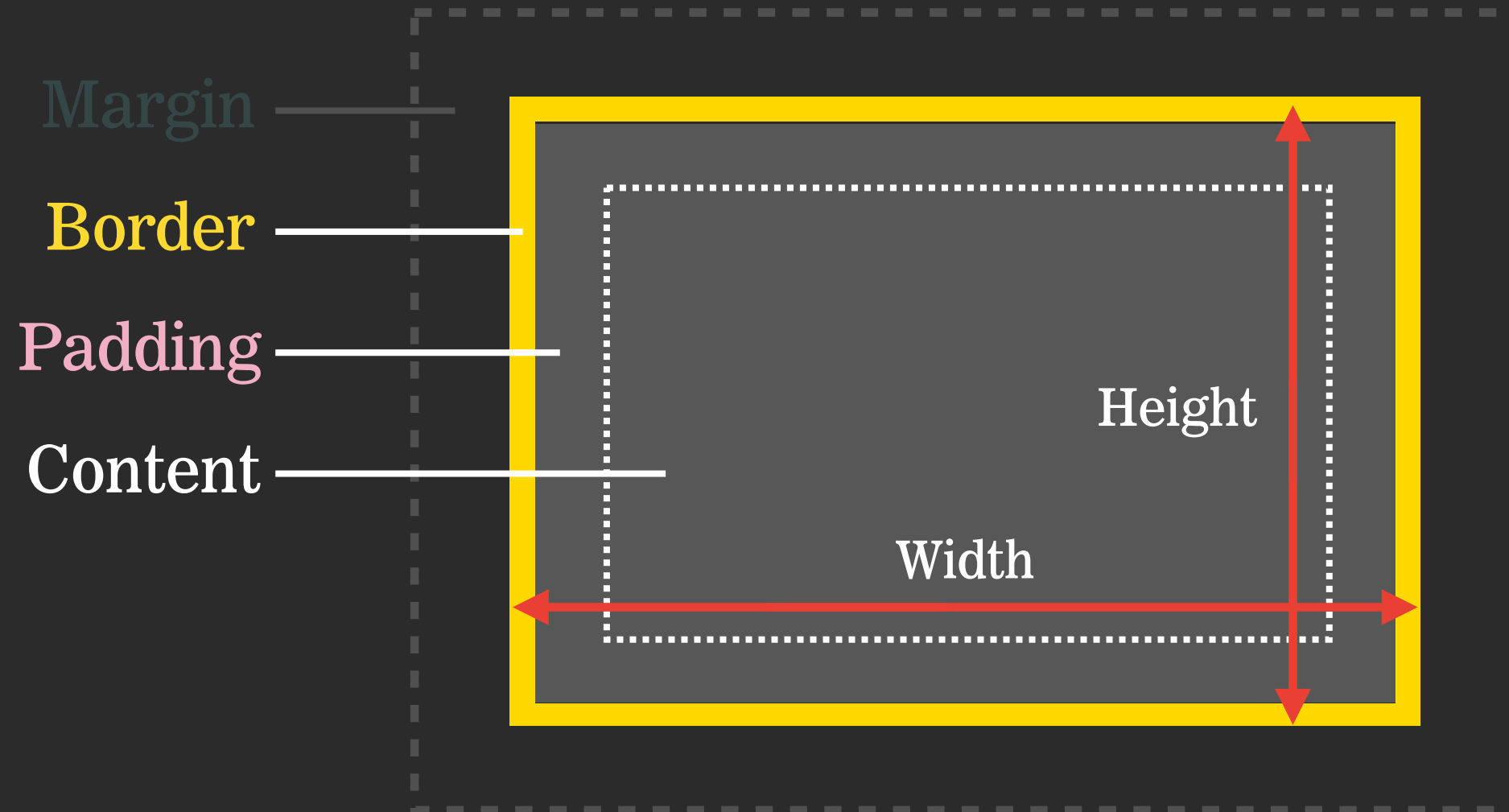
## HERE'S THE SYNTAX

---

```
* {  
  box-sizing: border-box;  
}
```

\*Add this at the very **top** of your CSS file.

## BOX-SIZING: BORDER-BOX



---

## WHY IS THIS SO AWESOME?

---

- ▶ With **box-sizing: border-box** — the padding and border press their way inside the box instead of expanding the box.

**Actual width** = *Width set in CSS*

**YAY!**

```
* {  
  box-sizing: border-box;  
}
```

**25% WIDTH AND  
BORDER: 6PX SOLID PINK**

**TOTAL WIDTH: 25%**

**YAY!**

---

## WHY IS THIS SO AWESOME?

---

```
* {  
  box-sizing: border-box;  
}
```



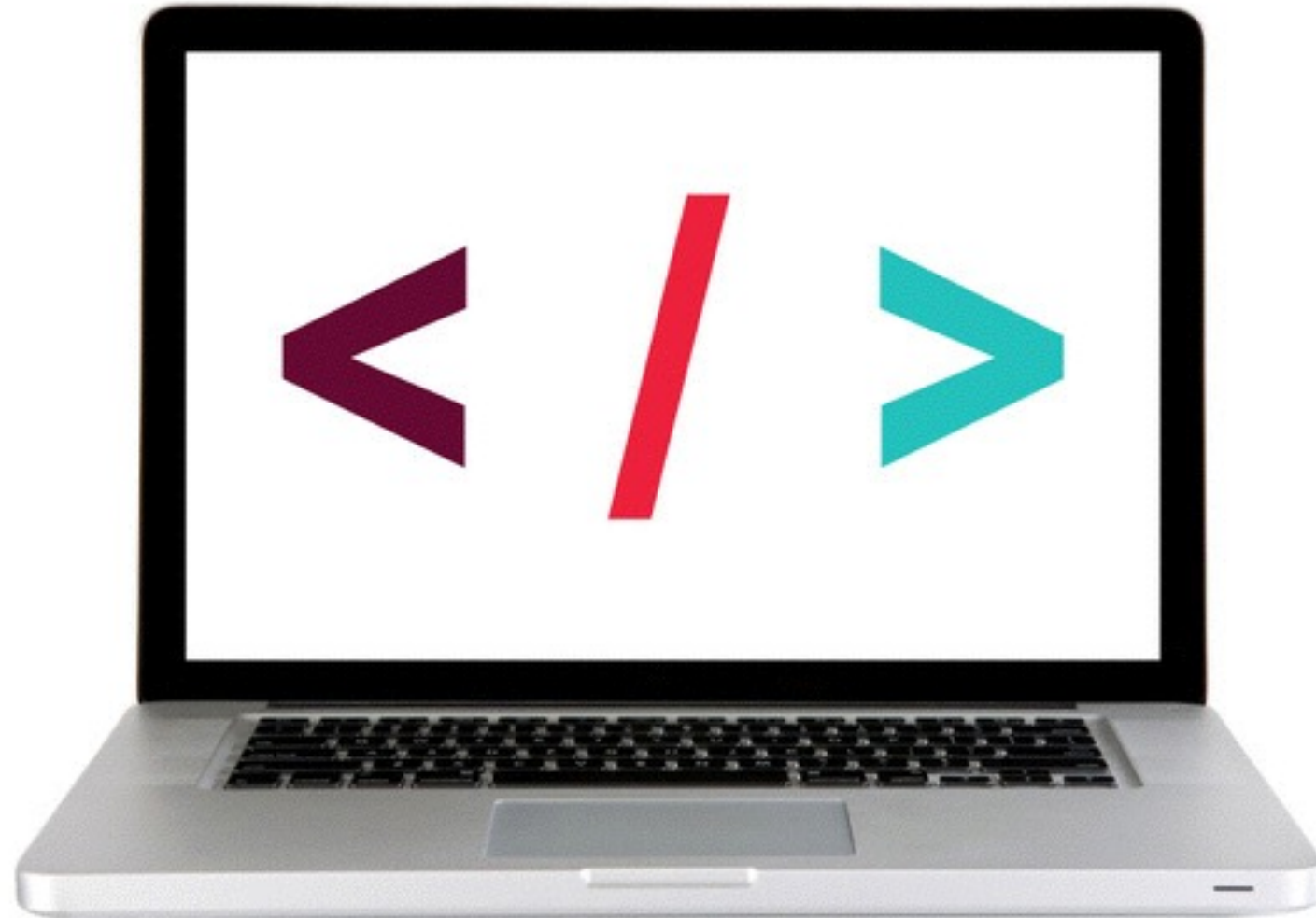
**NOW FOUR OF US CAN SIT IN A ROW SIDE BY SIDE NO MATTER  
HOW MUCH PADDING AND BORDER WE HAVE.**

**YAY!**

---

## LET'S TAKE A CLOSER LOOK

---



---

## STEPS TO ACHIEVE A MULTI-COLUMN LAYOUT

---

1. MAKE SURE EACH COLUMN HAS A WRAPPER AROUND IT IN YOUR HTML

2. GIVE A WIDTH TO EACH COLUMN

3. FLOAT EACH COLUMN TO LEFT

4. CLEAR ANYTHING UNDERNEATH YOUR COLUMNS I.E. A FOOTER  
USING THE CSS CLEAR PROPERTY (CLEAR: BOTH;)

5. CLEARFIX CLASS TO THE PARENT OF ANY FLOATED ELEMENTS

6. USE PADDING TO ADD SPACE BETWEEN COLUMNS

7. ADD BOX-SIZING: BORDER-BOX; TO EVERYTHING (USE THE \* CSS SELECTOR)

# LET'S TAKE A CLOSER LOOK

## BEATLES — DRIVE MY CAR

### LYRICS

Asked a girl what she wanted to be  
She said baby, "Can't you see  
I wanna be famous, a star on the screen  
But you can do something in between"

Baby you can drive my car  
Yes I'm gonna be a star  
Baby you can drive my car  
And maybe I love you

I told a girl that my prospects were good  
And she said baby, "It's understood  
Working for peanuts is all very fine  
But I can show you a better time"

I told that girl I can start right away  
And she said, "Listen baby I got something to say  
I got no car and it's breaking my heart  
But I've found a driver and that's a start"

Baby you can drive my car  
Yes I'm gonna be a star  
Baby you can drive my car  
And maybe I love you  
Beep beep'm beep beep yeah  
Beep beep'm beep beep yeah  
Beep beep'm beep beep yeah  
Beep beep'm beep beep yeah (fade out)

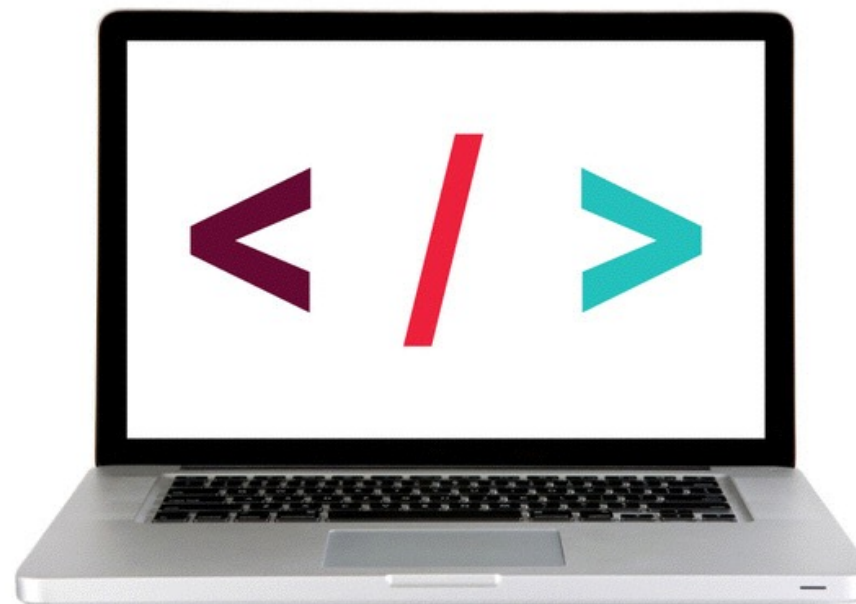
### ALBUM INFO



Rubber Soul is the sixth studio album by English rock band the Beatles, released on 3 December 1965.

- Album: Rubber Soul
- Release Date: December 3, 1965

COPYRIGHT © 2016 LYRICMANIA BABY





---

## ACTIVITY — FLOATS LAB

---



### EXERCISE

#### KEY OBJECTIVE

---

- ▶ Work through steps to create a multi-column layout

#### LOCATION OF FILES

---

- ▶ `starter_code_lesson_4` > **`floating_sections_lab`** folder

#### TIMING

---

*2 min*

1. Follow steps #9 and #10 in `style.css`. Steps are a little out of order! You can use command + f to open a search window and search for a step.

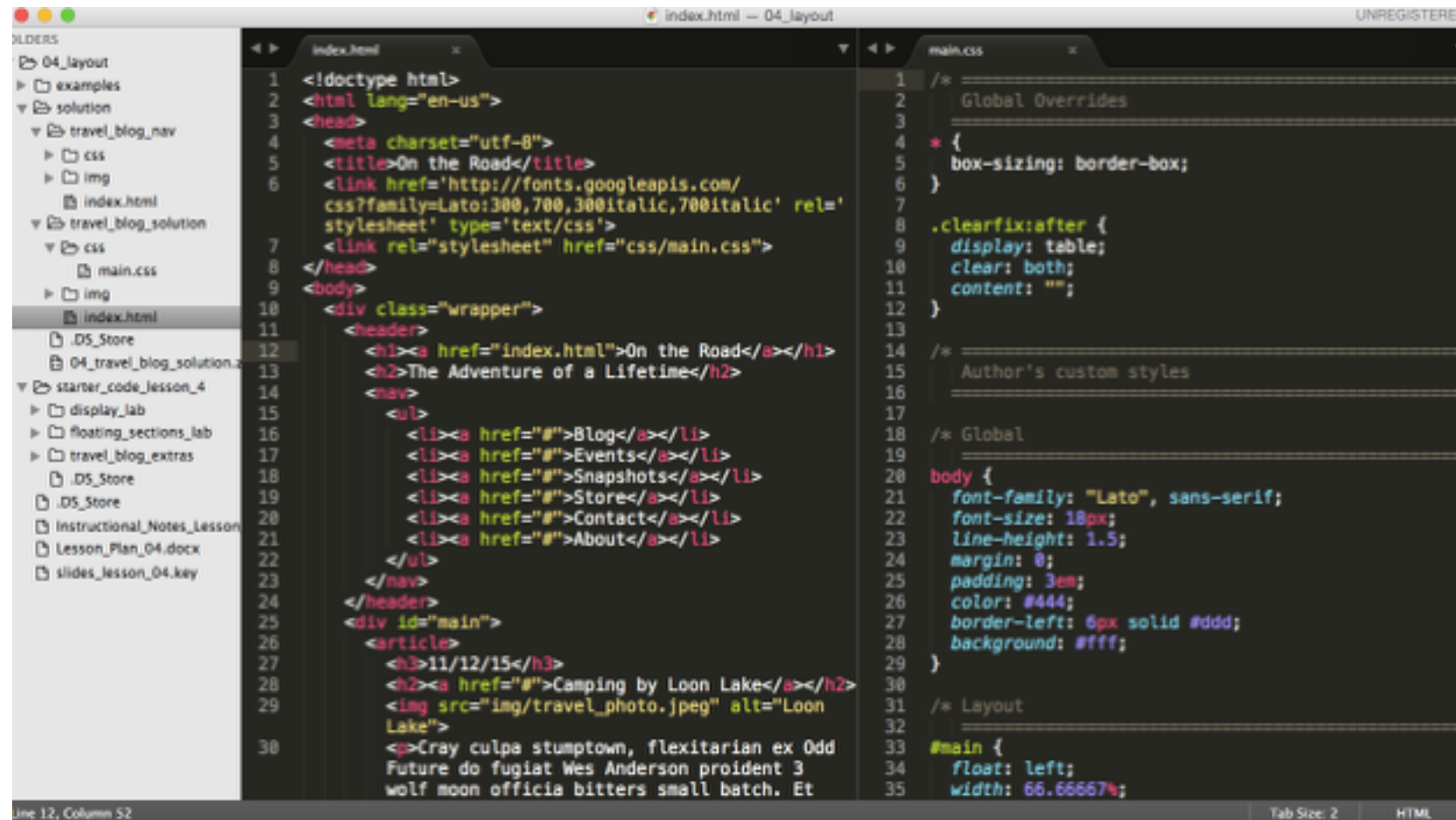
---

**FEWD**

---

# TRAVEL BLOG PART 2

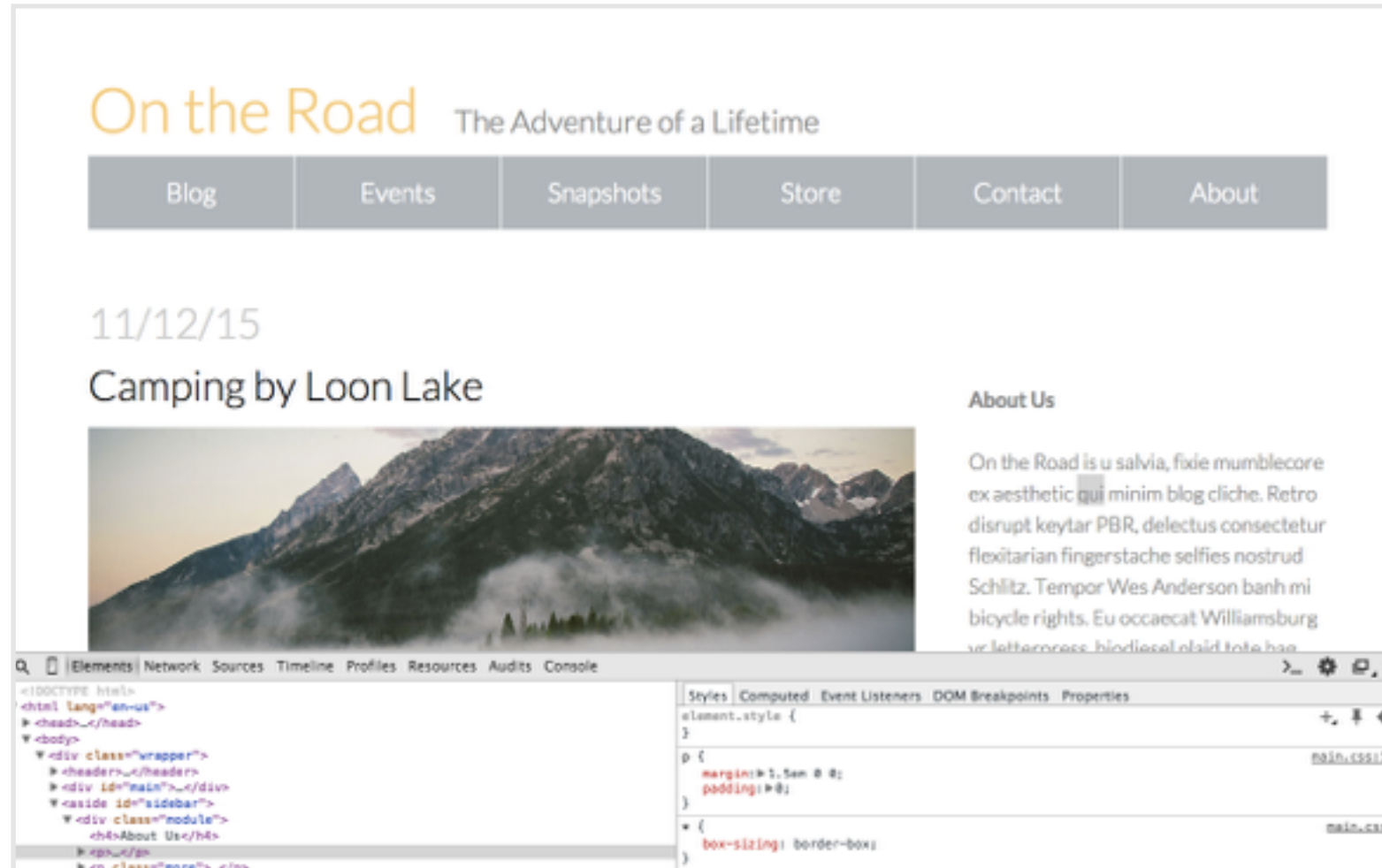
# LAB — WORKFLOW



Mac: command + option + 2

Windows: Alt + ↑ + 2

## LAB — WORKFLOW



Right click > Inspect Element

# LAB — WORKFLOW

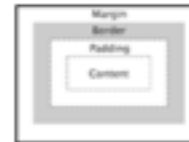


## FEWD LESSON 4

### LAYOUT CSS:

<code>clear</code>	left, right, both, none
<code>float</code>	left, right, none
<code>display</code>	inline, inline-block, block, none

### BOX MODEL:



### GROUPING TEXT & ELEMENTS:

<code>&lt;div&gt;</code>	Defines a section in a document (block-level)
<code>&lt;span&gt;</code>	Defines a section in a document (block-level)

### HTML5 SECTIONING ELEMENTS

<code>&lt;header&gt;</code>	Defines a header for a section or page
<code>&lt;nav&gt;</code>	Defines navigation links
<code>&lt;article&gt;</code>	Defines an article
<code>&lt;aside&gt;</code>	Defines content away from the page content
<code>&lt;footer&gt;</code>	Defines a footer for a section or page

### CSS:

<code>height</code>	auto, length, %
<code>width</code>	auto, length, %
<code>margin</code>	margin top margin right
<code>margin-top</code>	auto, length, %
<code>margin-right</code>	
<code>margin-bottom</code>	
<code>margin-left</code>	
<code>padding</code>	padding top padding right padding bottom padding left
<code>padding-top</code>	auto, length, %
<code>padding-right</code>	
<code>padding-bottom</code>	
<code>padding-left</code>	

<code>border</code>	border-width border-style border-color
<code>border-top</code>	border-width border-style border-color
<code>border-right</code>	
<code>border-bottom</code>	
<code>border-left</code>	
<code>border-width</code>	width (example: 2px)
<code>border-style</code>	none, hidden, dotted, dashed, solid, double, groove, ridge, inset, outset
<code>border-color</code>	color

### STEPS TO ACHIEVE A MULTI-COLUMN LAYOUT:

1. Make sure each column has a wrapper around it in your HTML.
2. Give a width to each column (preferably in %).
3. Float each column to left.
4. Use padding to add space between columns.
5. Add box-sizing: border-box; to everything (use the \* CSS selector).
6. Clear anything underneath your columns i.e. a footer using the CSS clear property (clear: both;).

---

## LAB — WORKFLOW

---

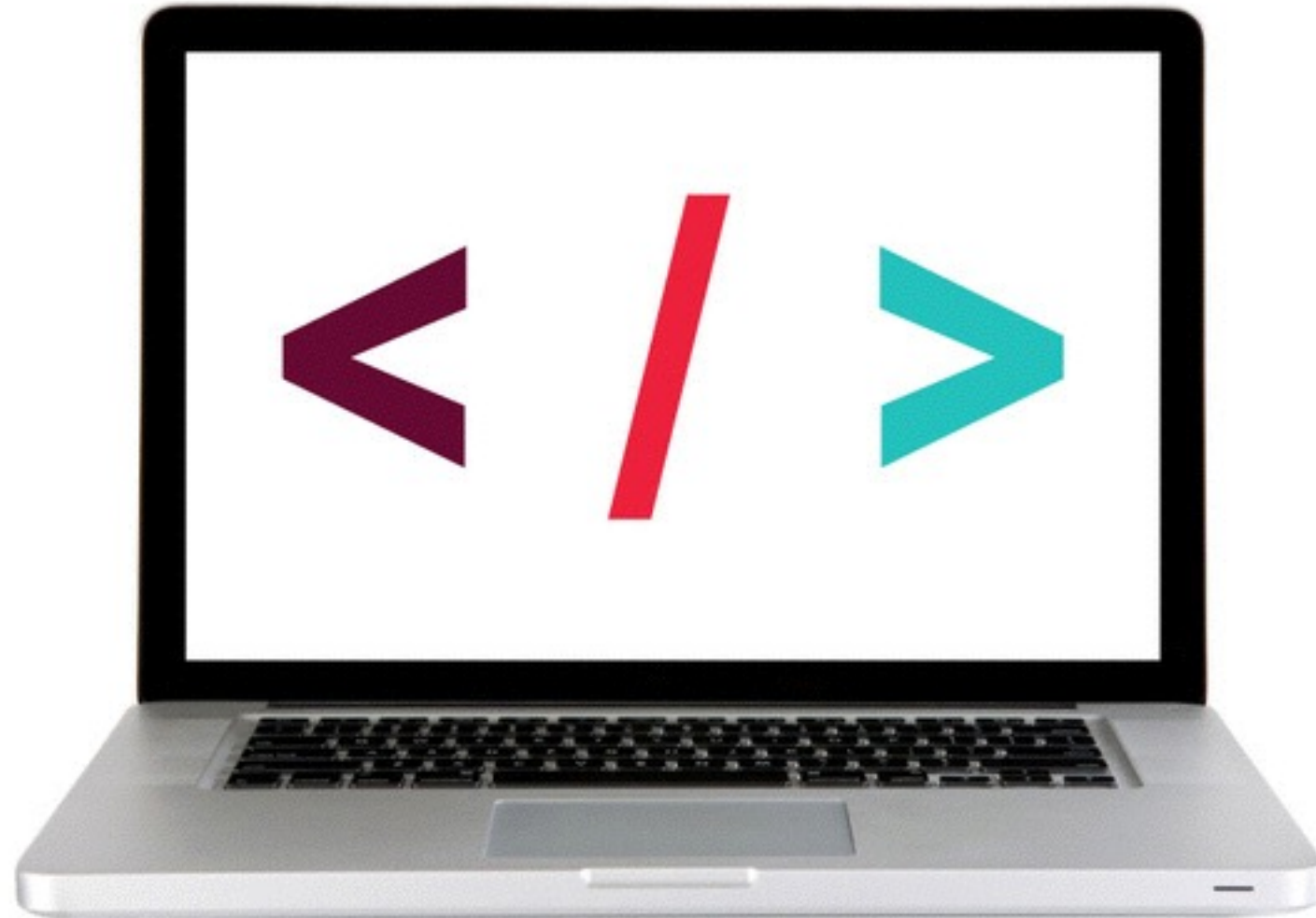
Temporarily add a border to everything on the page using the `*` selector so that you can easily see how all the elements on the page line up.

```
* {  
  box-sizing: border-box;  
  border: 1px solid black;  
}
```

---

## LAB — WORKFLOW — EVALUATING A DESIGN

---



---

## LAB — TRAVEL BLOG PT. 2

---





---

# ACTIVITY — TRAVEL BLOG

---



## EXERCISE

### KEY OBJECTIVE

---

- Demonstrate the ability to plan and build a website

### TYPE OF EXERCISE

---

- Partner

### TIMING

---

*40 min*

1. Recreate the Travel Blog site, using Travel\_Blog.png as a reference (in starter\_code folder)
2. Use HTML structural tags such as <header>, <aside>, <article> and <footer>

# LEARNING OBJECTIVES

- Differentiate between block and inline elements
- Use HTML5 structural elements to properly organize your page.
- Discover how to create multi-column layouts with the float property.
- Secure your layouts and avoid overlaps with the clear property and the clearfix method.

---

## WEEKLY OVERVIEW

---

**WEEK 3**

CSS Layout / Lab

**WEEK 4**

Bootstrap / Forms

**WEEK 5**

Responsive Design / Responsive Design Lab

---

**LAYOUT**

---

# **HOMEWORK**

---

## **HOMEWORK**

---

### **HOMEWORK:**

Be sure to read the specs on the FEWD Dashboard.

### **FINAL PROJECTS**

- Visit the General Assembly [Gallery](#) and start to get ideas
- Brainstorm and jot down a few ideas

# EXIT TICKETS

Bookmark this link!

[Fill it out here](#)