
LET'S GET EVERYTHING SET UP!

1. Navigate to the FEWD 42 Dashboard (saraheholden.com/fewd_dashboard/) and download the Lesson 5 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_5.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 42 Slack (fewd42.slack.com) and join the class5 channel.
7. Open your GitHub app and login to your github.com account

WEEKLY OVERVIEW

WEEK 2

Advanced CSS — Box Model and Layout

WEEK 3

CSS Lab Week / Advanced CSS pt. 2

WEEK 4

Intro to Programming / jQuery Basics

STARTUP MATCHMAKER

Sarah Holden

LEARNING OBJECTIVES

- Practice web development by transforming a design comp into a webpage.

AGENDA



- Review
- Final Project Overview
- Starter Template
- Lab — Startup Matchmaker

FEWD

REVIEW

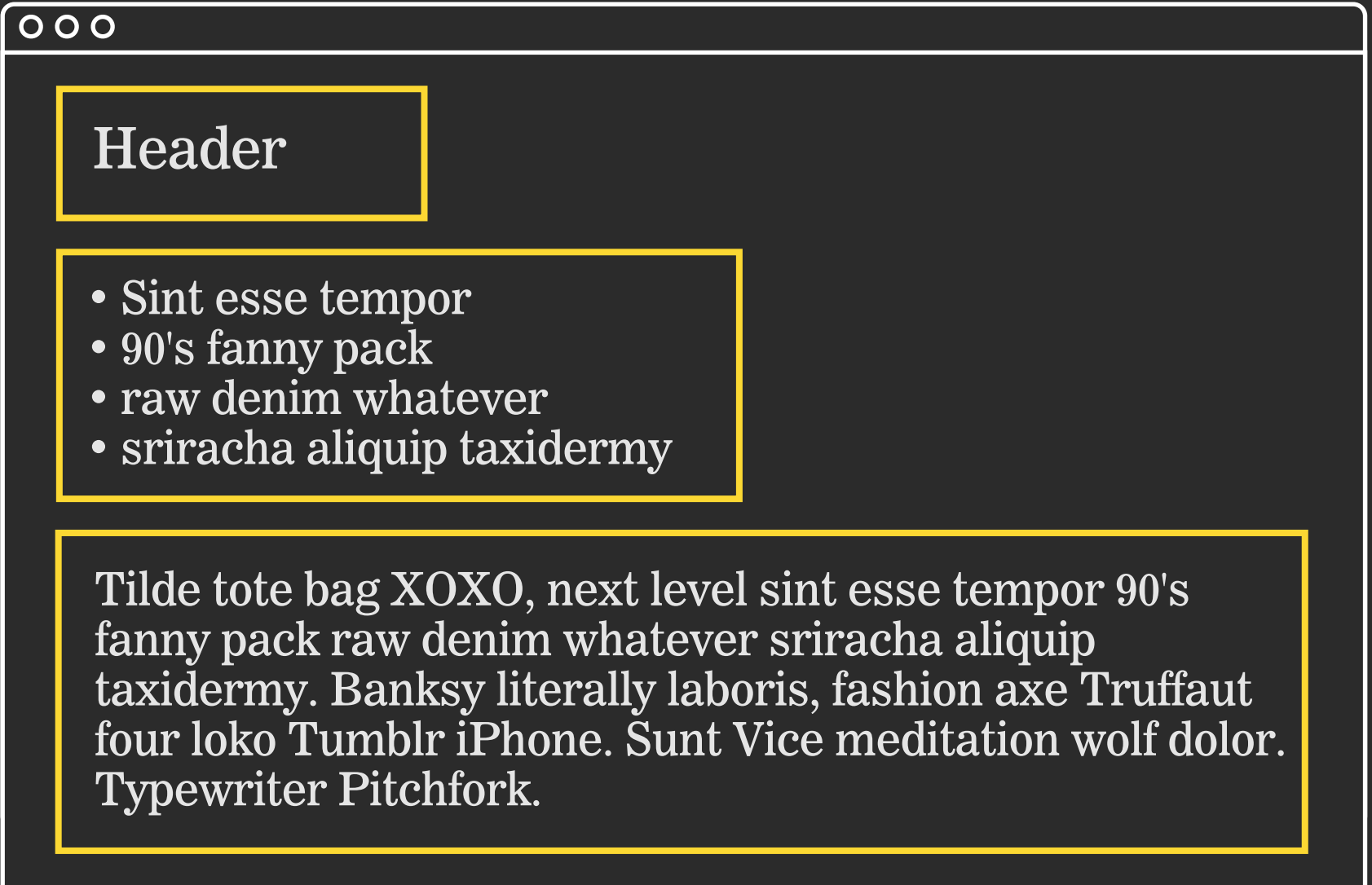
BUILDING BLOCKS

BLOCK-LEVEL ELEMENTS

- ▶ Will always start on a new line

Examples:

- ▶ `<h1>`-`<h6>`
- ▶ ``
- ▶ ``
- ▶ `<p>`
- ▶ ``
- ▶ `<div>`



BUILDING BLOCKS

INLINE ELEMENTS

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

Examples:

- `<a>`
- ``
- ``
- ``
- `<q>`
- ``

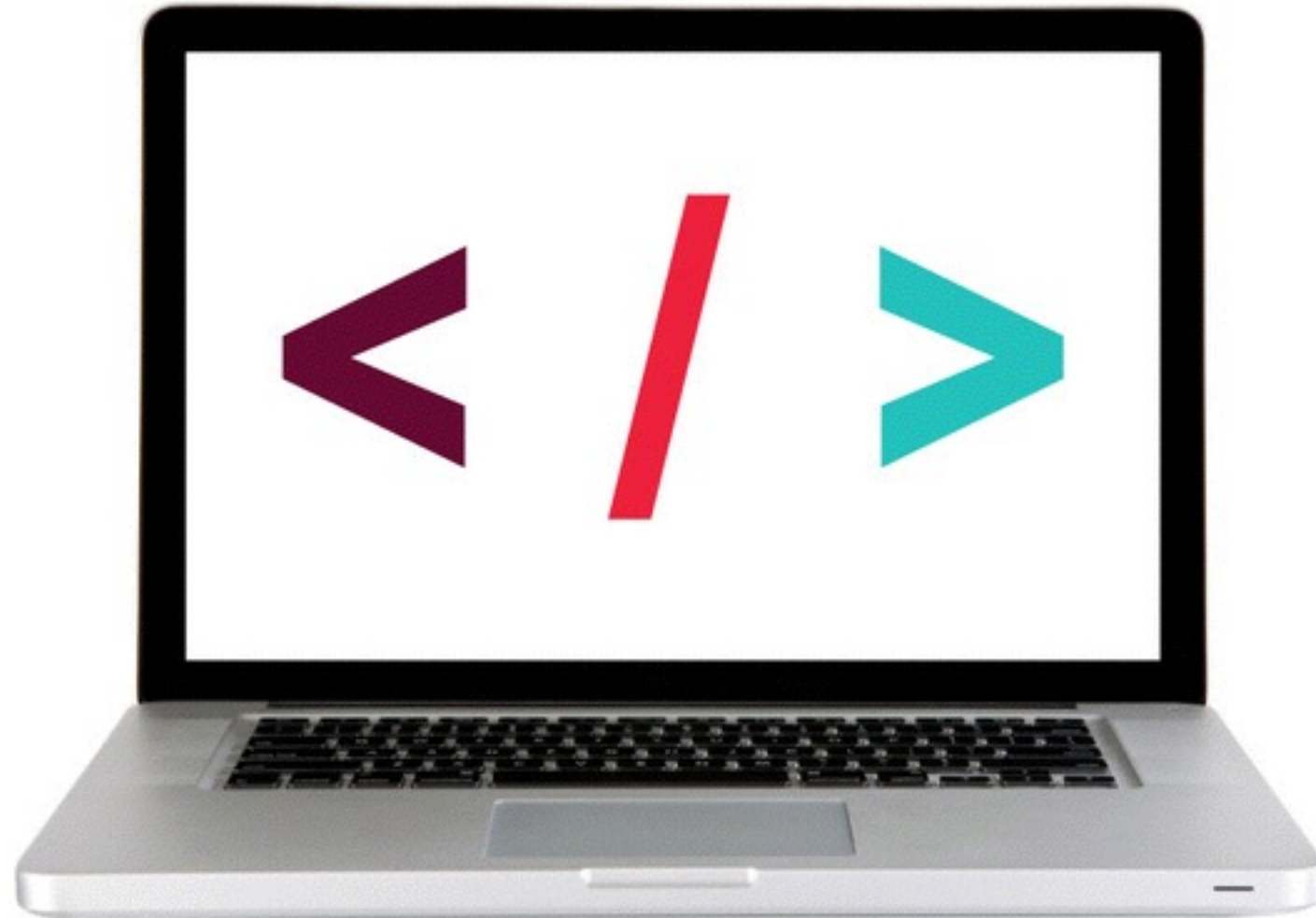


DIMENSION – A KEY DIFFERENCE BETWEEN INLINE AND BLOCK ELEMENTS

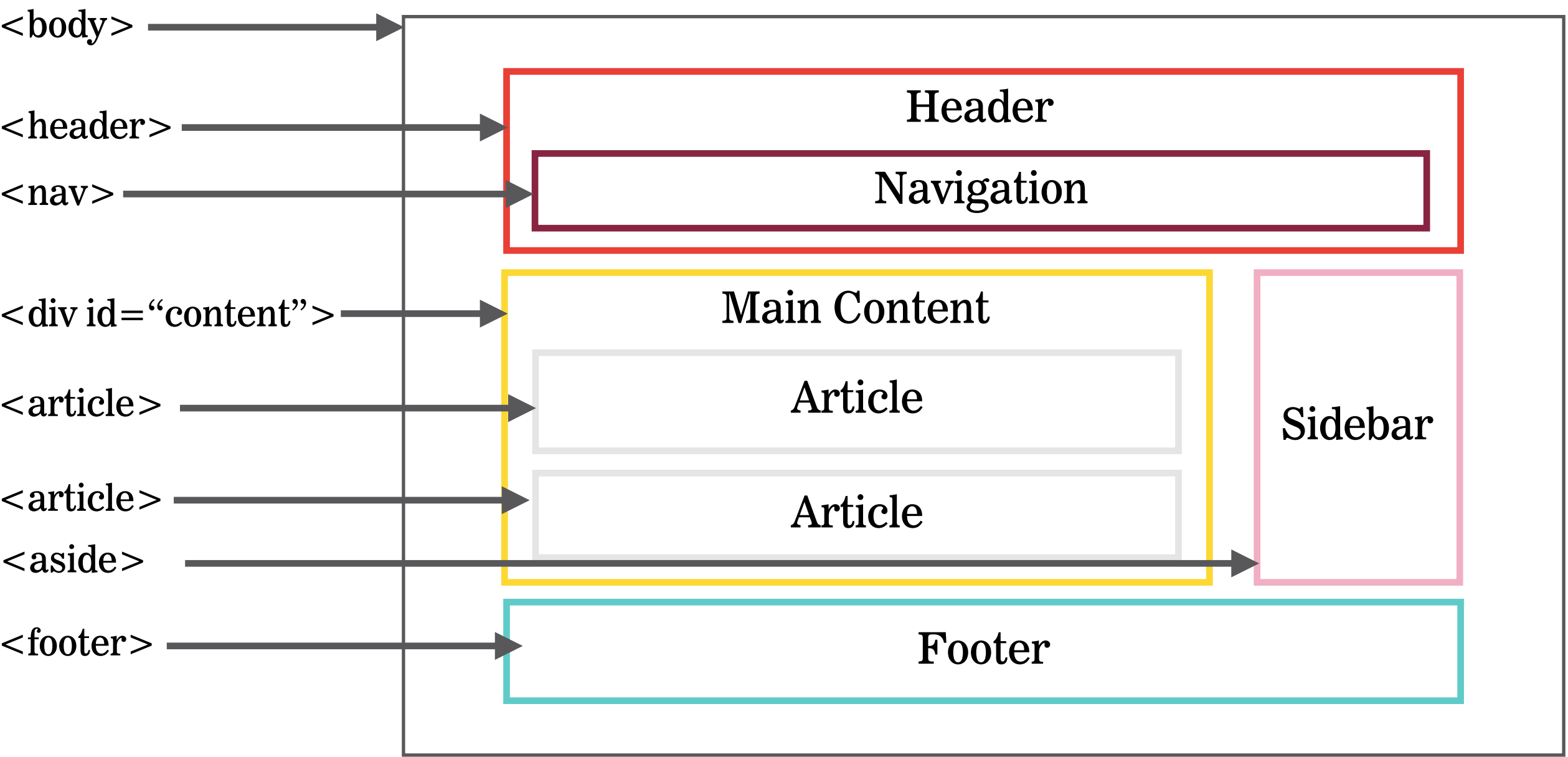
SUMMARY — WHICH DIMENSIONS CAN BE CHANGED?

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

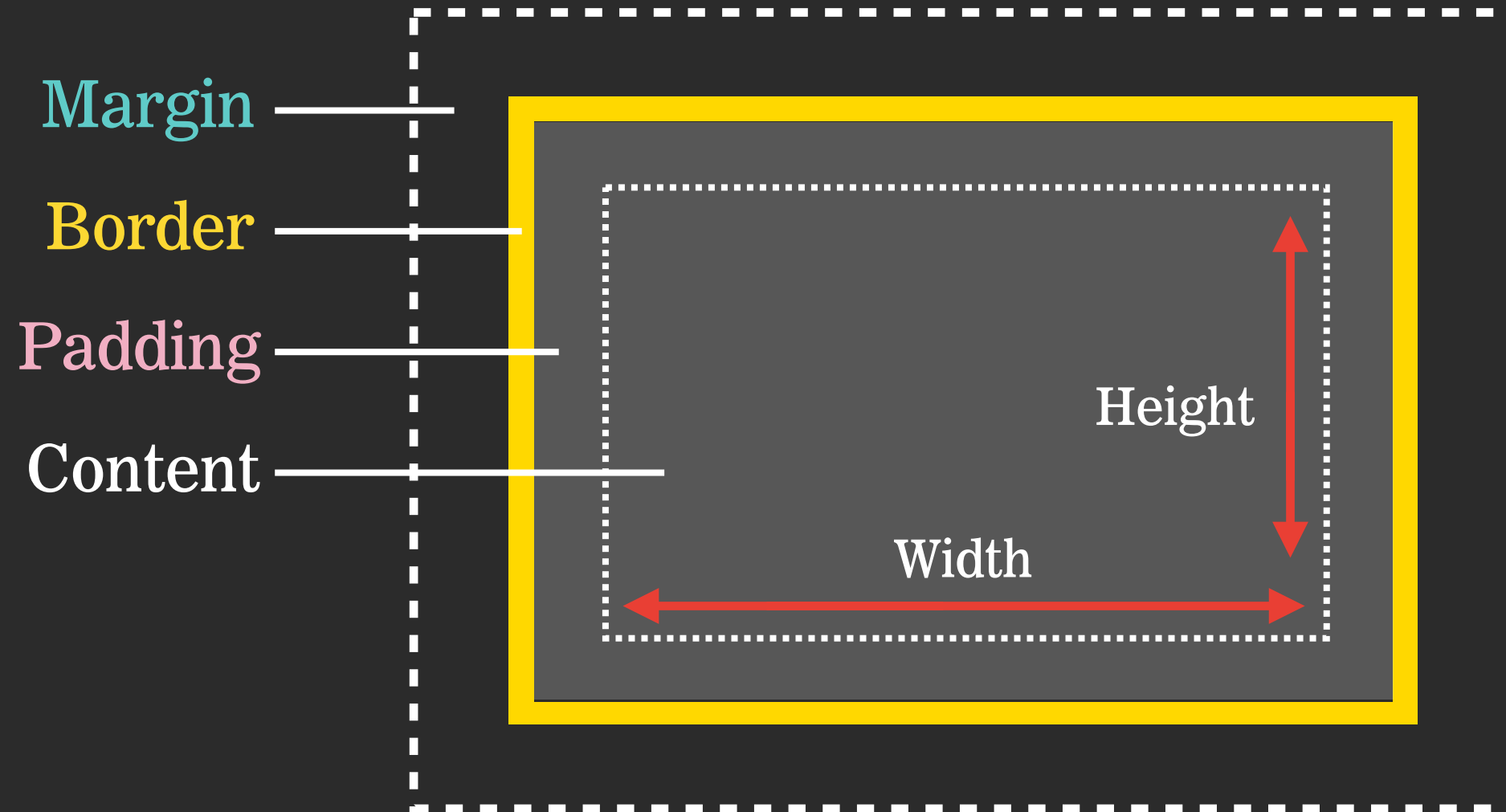
LET'S TAKE A LOOK



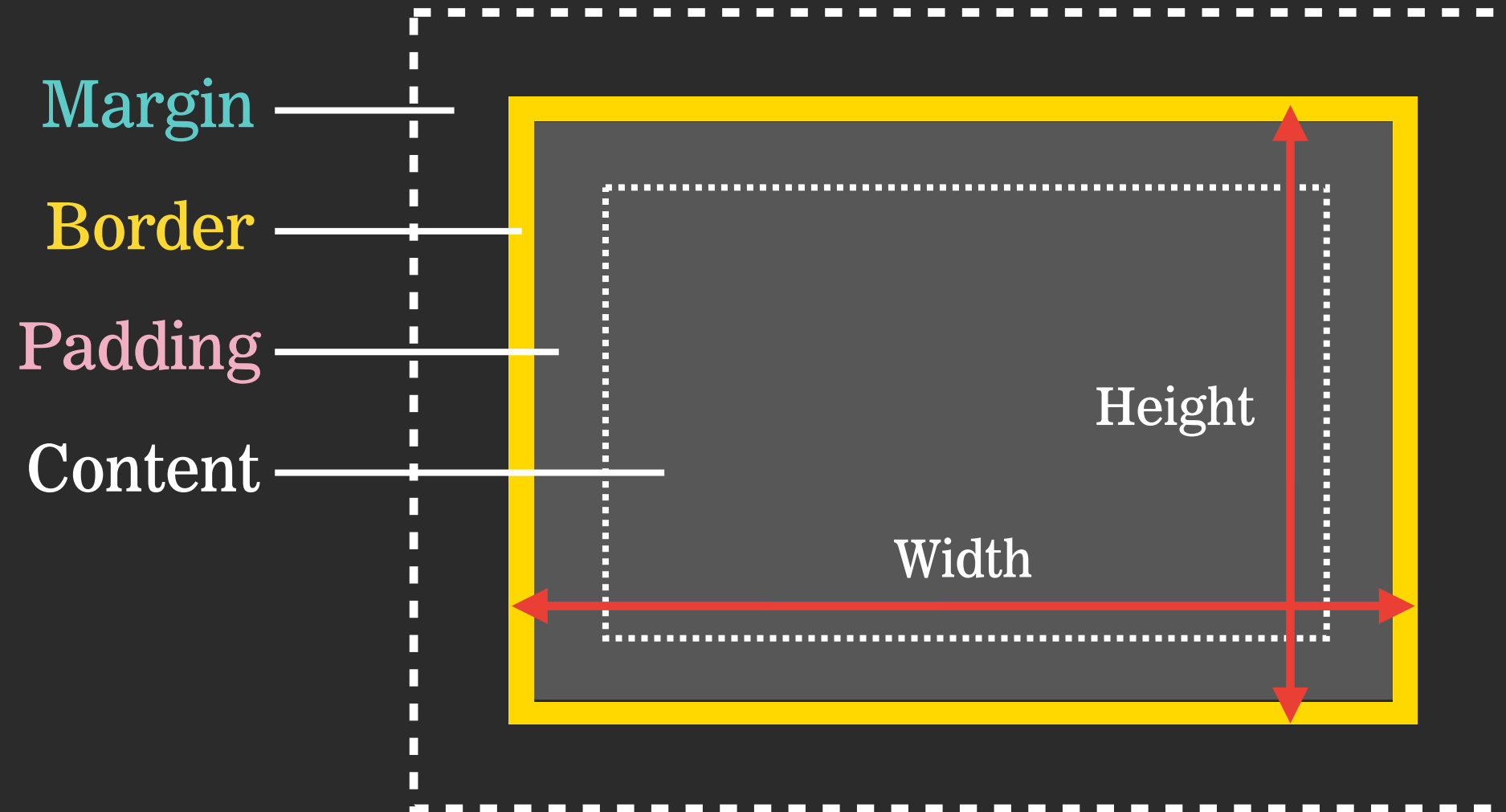
STRUCTURAL ELEMENTS



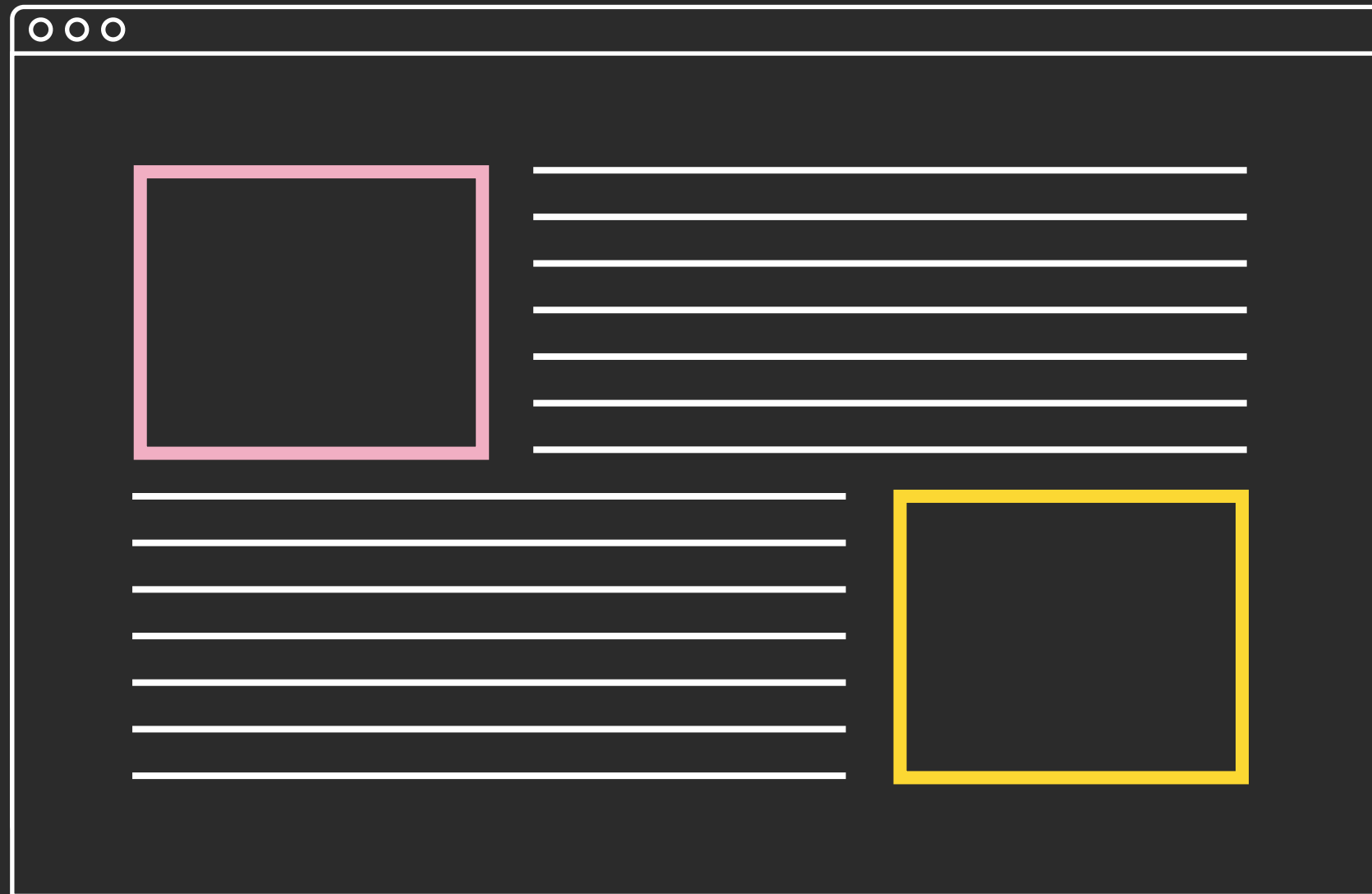
REFRESHER — BOX MODEL



BOX-SIZING: BORDER-BOX



CSS — FLOATS



FLOATS

Values for the float property:

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

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

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

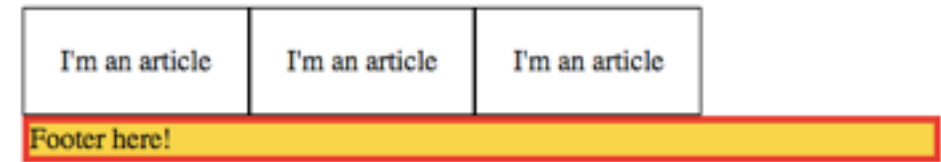
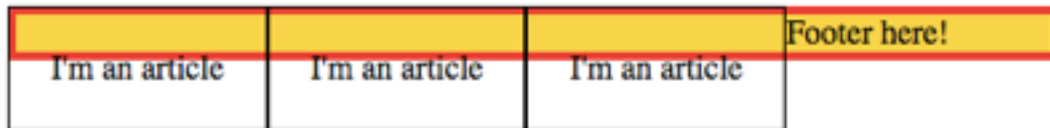
▸ **float: right;** Floats an element to the right side

```
div {  
  float: none;  
}
```

▸ **float: none;** (the default) ensures the element will not float

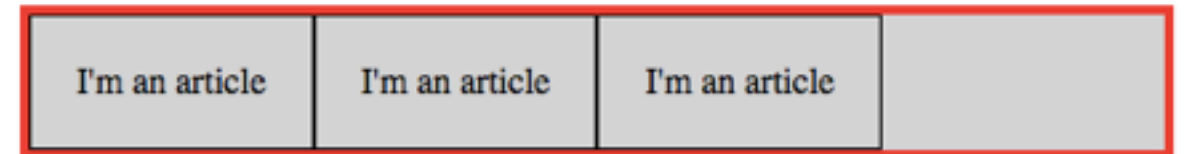
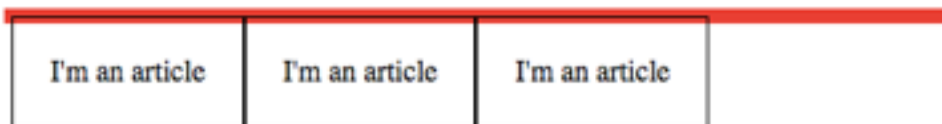
CONFUSING NAMES — KEEPING THINGS STRAIGHT

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

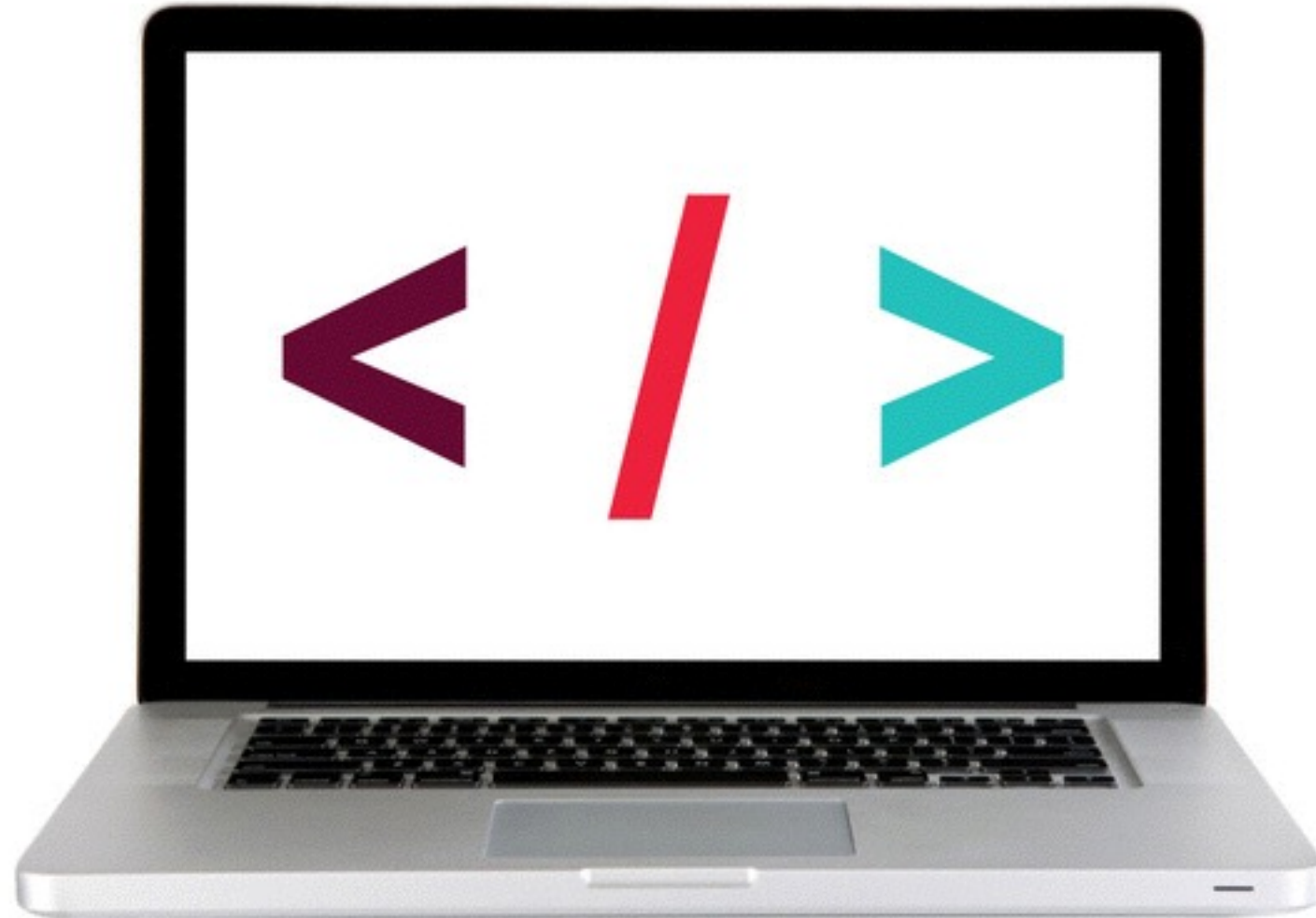
3. GIVE A WIDTH TO EACH COLUMN (PREFERABLY IN %)

4. FLOAT EACH COLUMN TO LEFT

5. USE PADDING TO ADD SPACE BETWEEN COLUMNS

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

LET'S TAKE A LOOK



EXIT TICKET QUESTIONS

- How do I know when to use a div tag and when not to?
- The order of your html (best practices, if any)
- What are the best websites to go to when you're googling (or worst websites to go to)
- If I don't use clear: float, why doesn't the text slide under a floating element, but it's properties do?
- Should we always apply the "clearfix" class to divs with just float elements?
- Going back to the 3-column example we used to explain float; would floating only the first two columns, and not the last one, have the same result? [Let's test it out!](#)

CLASS QUESTIONS

- ▶ Do we still need to post a link to our homework each week in the #homework channel?
- ▶ How do we know if we did our homework correctly from the week before? Will Christine be "grading" it?
- ▶ If we turn something in and it has a lot of errors, does it still count as completing the assignment?
- ▶ What can I do if I need help on the homework over the weekend or get stuck?
- ▶ Digital copies of handouts?
- ▶ Happy hour!

NEW OFFICE HOURS!!!!!!

MONDAYS 6-7PM (NEW — MOVED FROM TUESDAYS)

THURSDAYS 5:30-6:30PM

*Please send Christine a Slack message if you plan on coming to office hours. That way she'll know to expect you! If you can't make it in person to GA for Monday's office hours, you can schedule a digital meeting with Christine during the Monday 6-7pm time slot. Just send her a message that day to schedule some time.

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USING CHROME DEV TOOLS!

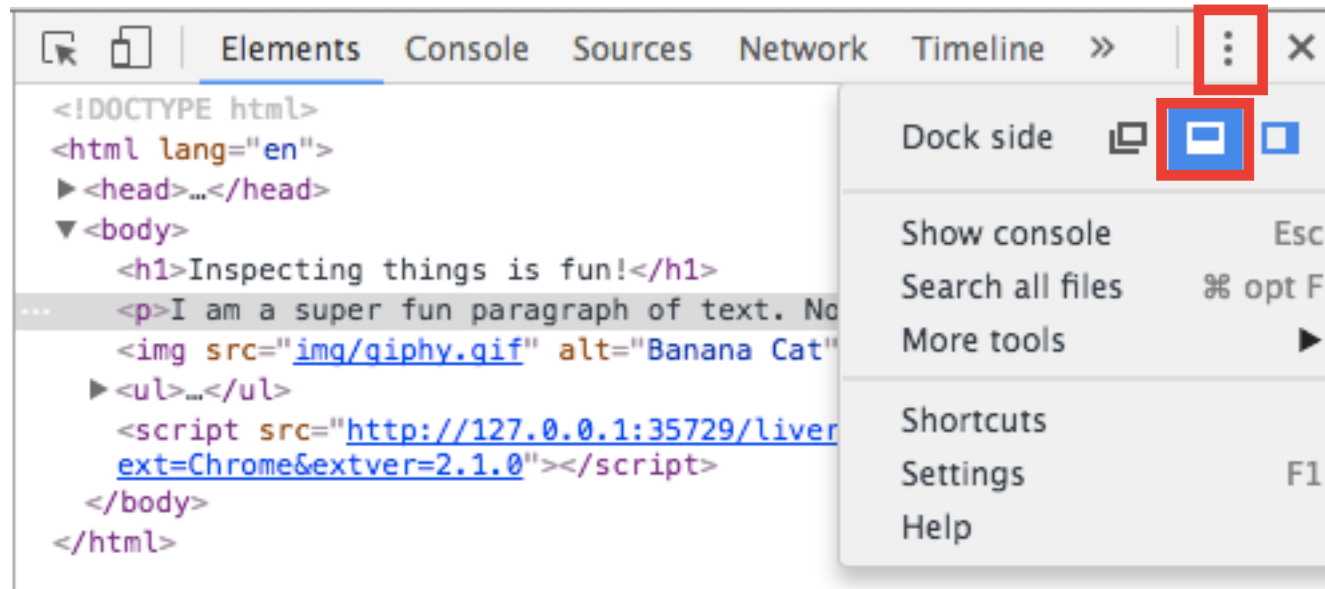
LET'S USE THE INSPECTOR!

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*

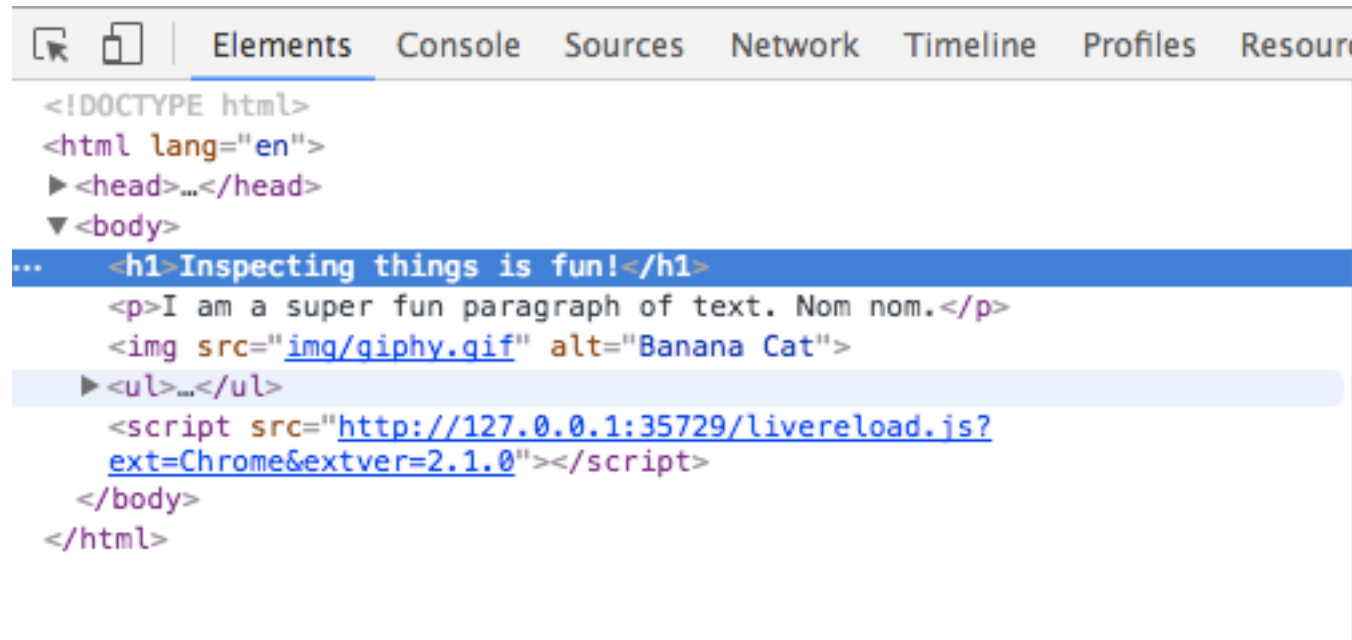
DOCK LOCATION

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



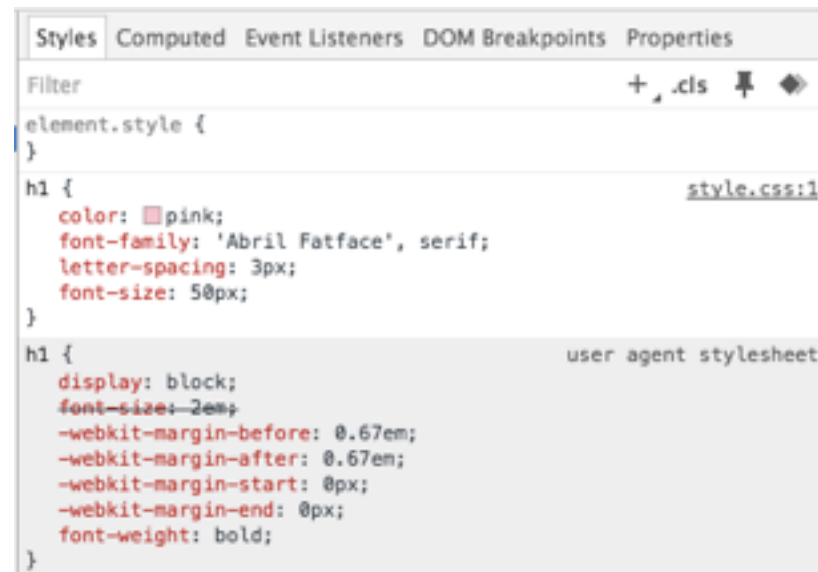
PICKING AN ELEMENT

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

margin67

border-

padding-

932 × 270

Filter☐ Show all

▶ color

rgb(255, 192, 203)

▶ display

block

▶ font-family

'Abril Fatface', serif

▶ font-size

100px

▶ font-weight

bold

height

270px

▶ letter-spacing

3px

width

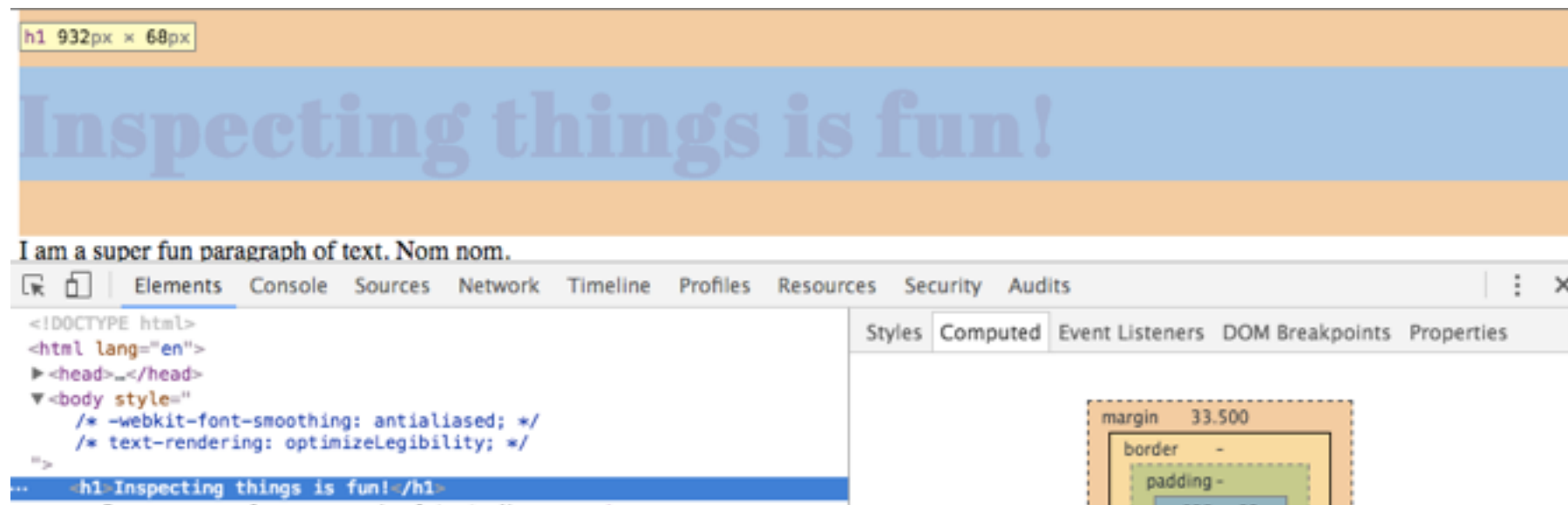
932px

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?

FEWD

FINAL PROJECTS

FINAL PROJECTS

WHERE CAN I FIND MORE INFO AND WHEN EACH MILESTONE IS DUE?

- Final Project page on the [FEWD 42 Dashboard](#)

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

- Visit the General Assembly [Gallery](#)

WHERE SHOULD I BE RIGHT NOW?

- By the end of this week you should have looked through the gallery and jotted down a few ideas. Wireframes/project proposals will be due at the end of Week 5!

FEWD

STARTER TEMPLATE

NORMALIZE.CSS

You can include **normalize.css** in your project to get a blank slate for your CSS.

[Normalize.css](#) makes browsers render all elements **more consistently and in line with modern standards**. It precisely targets only the styles that need normalizing

To add to your project:

1. Include the **normalize.css** stylesheet in your **css** directory
2. Add a **<link>** to the **normalize.css** stylesheet in the head of your **HTML**. You'll want to include it **above** any other stylesheets so that your styles will be able to override the defaults.

FEWD

LAB

LET'S GIT IT!

IN FINDER:

Move startup_matchmaker folder from starter_code_lesson_5 to your homework folder

IN THE GITHUB APP:

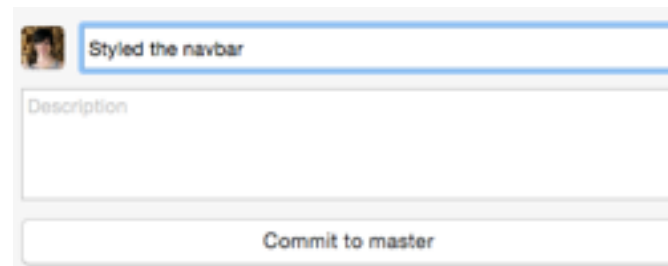
ADD

Make sure the boxes next to each file you've edited are checked.

☒ travel_blog_part1/images/ad.gif

COMMIT

Enter a commit message and click "commit to master."

A screenshot of the GitHub web interface for creating a commit. It shows a text input field with the message "Styled the navbar", a larger text area for a description, and a button at the bottom labeled "Commit to master".


Styled the navbar

Description

Commit to master

PUSH

Click "sync" in upper right corner.

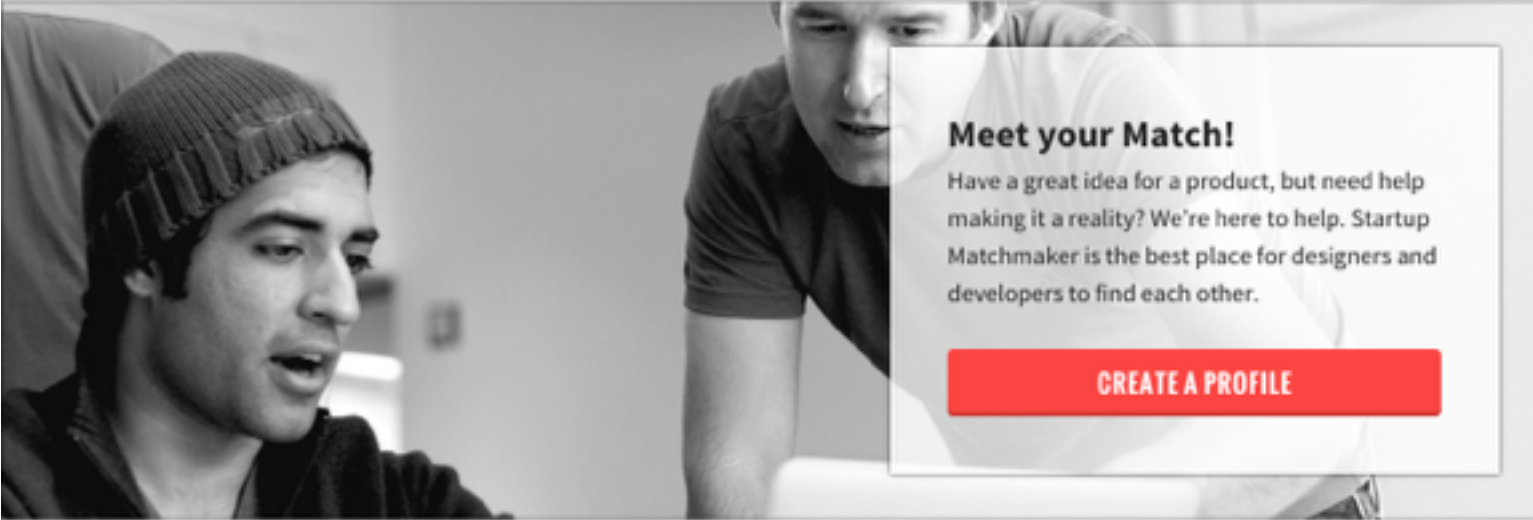
 Sync

LAB — STARTUP MATCHMAKER

Startup Matchmaker

DEVELOPERS DESIGNERS How it Works Our Team Blog

Because two heads are better than one.



Meet your Match!

Have a great idea for a product, but need help making it a reality? We're here to help. Startup Matchmaker is the best place for designers and developers to find each other.

[CREATE A PROFILE](#)

Create a Profile

Are you a Designer? Put yourself out there so that others can find you!

[SIGN UP NOW](#)

Find a Developer

Looking for a developer to work with on the next big thing? Look no further.

[START YOUR SEARCH](#)

Find a Designer

Need someone who can make a product intuitive and appealing? Get ready.

[START YOUR SEARCH](#)

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PLANNING – STARTUP MATCHMAKER



EXERCISE

KEY OBJECTIVE

- ▶ Demonstrate the ability to plan and build a website

PLANNING

15 min

1. Plan out divs and HTML5 Sections
2. Where will you need to use floats? Inline-block? Will any parent wrappers need a clearfix (all children are floated)?
3. What are the base text styles for the page? (font-family, color, background-color, etc.)
4. What are the base styles for headings? (Font, color, etc.)
5. Are there base styles for anchors on the page? (font, color, text-decoration)

LAB – STARTUP MATCHMAKER



EXERCISE

KEY OBJECTIVE

- Demonstrate the ability to plan and build a website

LAB SESSION

- | | |
|------------|---|
| 10 min | 1. Hook up Google Fonts (use styleguide.png for reference). |
| | 2. Use a color picker (Sip) to pick main colors (or use styleguide.jpg for a quick reference). |
| 30 min | 3. Get everything where it needs to be! Add styles for page structure (columns, floats, inline-block, clear: both, clarifix). Use " <i>Steps to achieve a multi-column layout</i> " in review section or your handout for reference |
| 15 min | 4. Look up background-image, background-position, and background-repeat, and background-size properties in CSS (Sarah recommends MDN). Implement the background image and "overlay". |
| 5 min | 5. Add base Styles (base fonts, colors, etc.) |
| 20 min | 6. Add base styles for headers, anchors, text |
| Until 9:15 | 7. Style everything else! |
| | 8. Super bonus: Build pages for designers and developers (use pngs in starter code folder for reference) |

LAB – STARTUP MATCHMAKER (HACKER EDITION)



EXERCISE

KEY OBJECTIVE

- Demonstrate the ability to plan and build a website

LAB SESSION

Until 9:15

1. Materials for the advanced version are in the `startup_matchmaker_advanced` folder.
2. Set up folder/document structure for project (feel free to use the `html_template` as a starter!)
3. Gather content (in `copy.txt`) and add HTML Markup
4. Focus on layout styles first (getting everything in place)
5. Then add colors, text styles, fonts, etc.
6. Tidy things up
7. **Super bonus:** Build pages for designers and developers (use `pngs` in starter code folder for reference)

LET'S GIT IT!

IN SUBLIME TEXT:

Make sure all your changes are saved.

IN THE GITHUB APP:

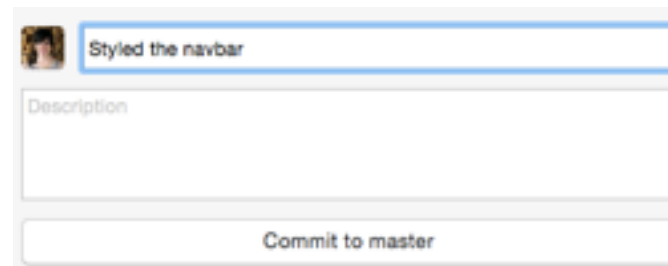
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Styled the navbar

Description

Commit to master

PUSH

Click "sync" in upper right corner.

 Sync

LEARNING OBJECTIVES

- Practice web development by transforming a design comp into a webpage.

LAB

HOMEWORK

HOMEWORK

Read the specs on the [dashboard](#). Don't forget the videos/reading!!

LAB

EXIT TICKETS

<http://goo.gl/forms/vPhCOlfESf>