
SETUP

DOWNLOAD ATOM:

1. Go to <https://atom.io/> and download and install Atom
2. If you're working on a mac, drag and drop Atom to your Applications folder.

css BASICS

WEEKLY OVERVIEW

WEEK 1

HTML Basics / CSS Basics

WEEK 2

CSS Selectors / Layout

WEEK 3

Layout Lab & Wireframing / Responsive Design

AGENDA

Review

Let's Get Everything Set Up

URLs

Lab Part 1

Intro to CSS

Debugging HTML & CSS

HTML5 Structural Elements


LEARNING OBJECTIVES

- › Set up a workspace for the class and practice using common shortcuts
- › Add an external stylesheet to an HTML web page.
- › Predict image paths and apply relative paths to `` and `<a>` tags.
- › Learn how to use common debugging techniques to troubleshoot errors in code.
- › Use CSS to add styles to a webpage.
- › Add structure to a website using HTML5 structural elements such as header, footer, article, and main

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CLASS NOTES

FINAL PROJECTS


**GALLERY**HTML

Front End Web Development

All Cities

LOGIN

FEWD




moodsettr
Stunning photos. Refreshing sounds.

RAIN BEACH SNOW RIVER

MOODSETTR ADS
by Rebecca Giddings

FEWD



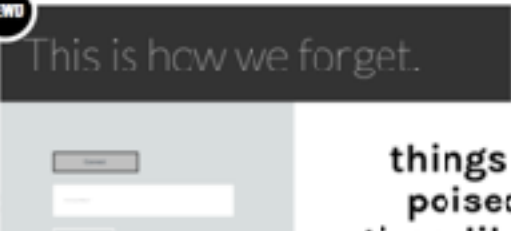
My name is Ryan Schaefer.

Click here to see what else I got up to.

(Pause for effect.)

PARALLAX ME
by Ryan Schaefer


FEWD



This is how we forget.

thingspoised

FEWD



LINDSAY ALEXANDER
DESIGNER

HOMEWORK

FEWDR | DASHBOARD

WEEK 1

01 - HTML BASICS

02 - CSS BASICS

HOMEWORK

REMINDERS

Assignment #1 —
Due 3/27 at 11:59pm

About Me and Portfolio Pages

DUE MARCH 27TH AT 11:59PM

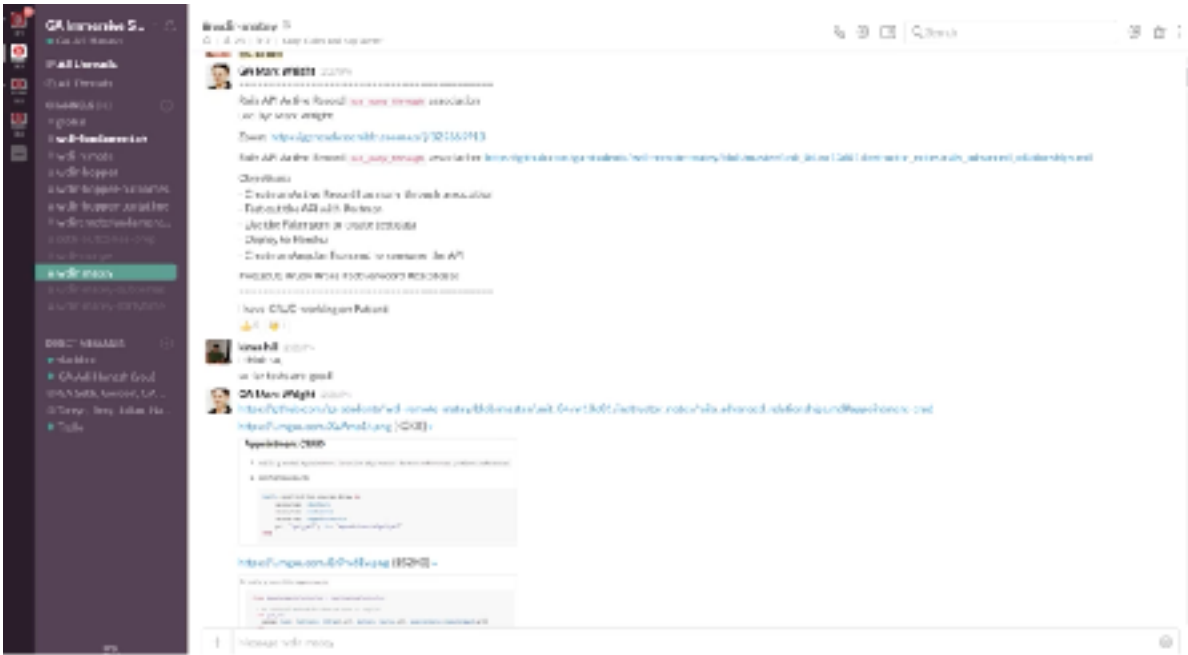
Deliverables: By Sunday at 11:59pm, Slack us:

- A .zip file of your About Me project
- 2-3 ideas for your final project.

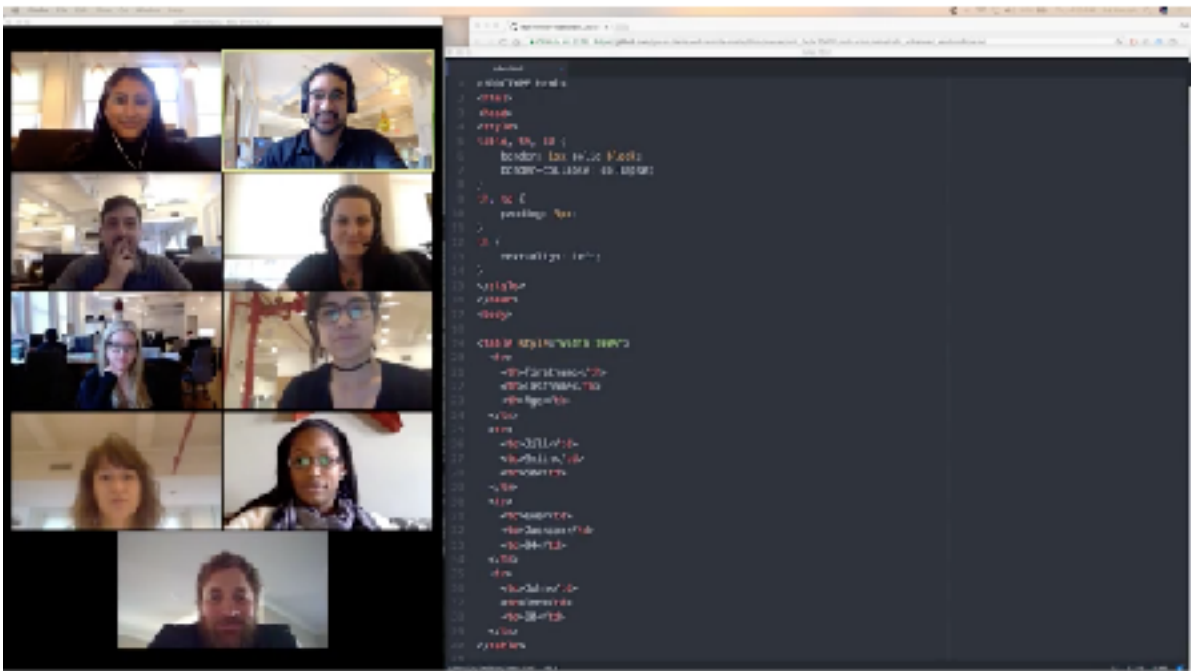
1. About Me and Portfolio Pages (2 - 4 hours)

SETUP — WITH EXTERNAL MONITOR

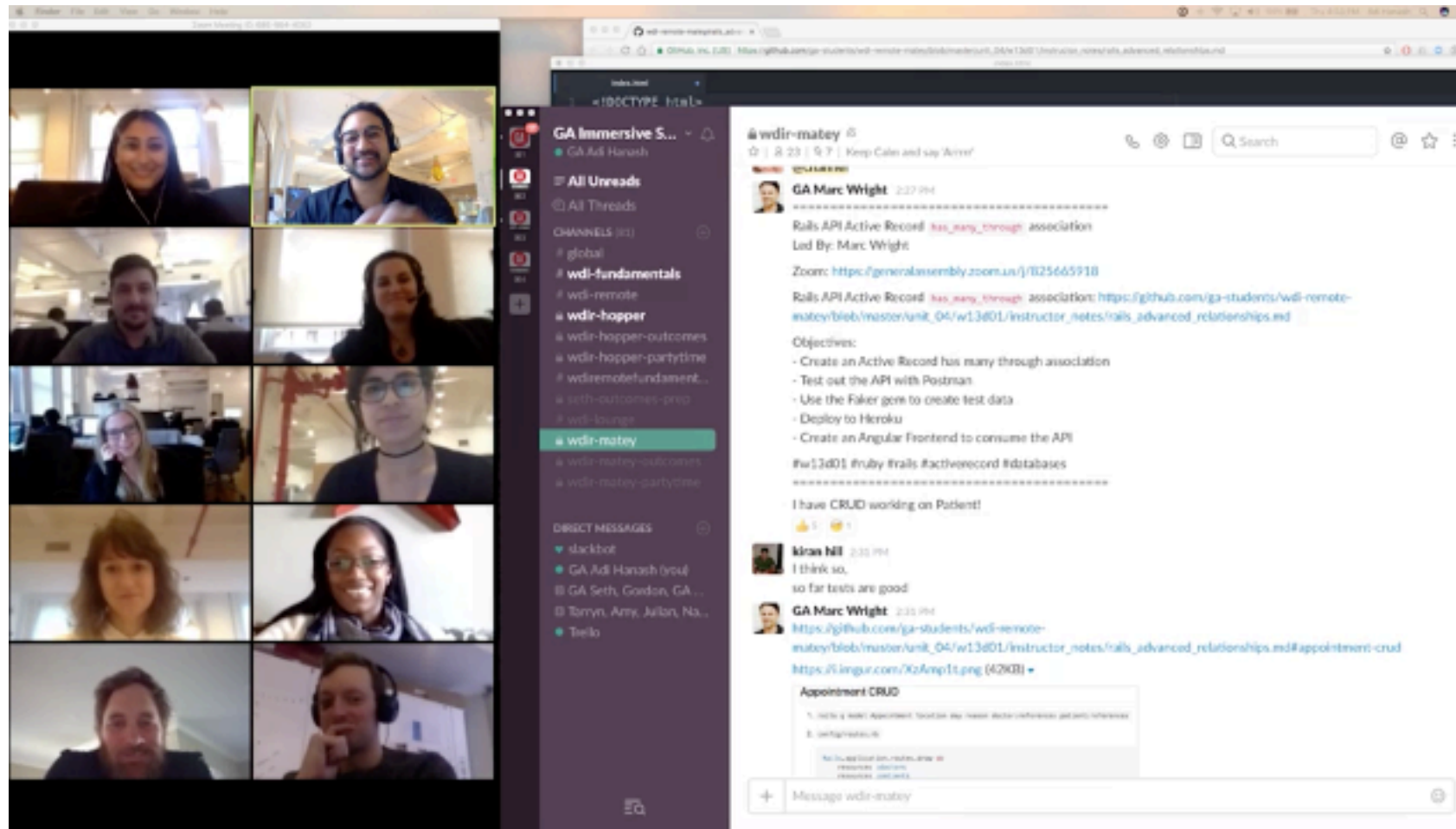
PRIMARY MONITOR:



EXTERNAL MONITOR:



SETUP — NO EXTERNAL MONITOR

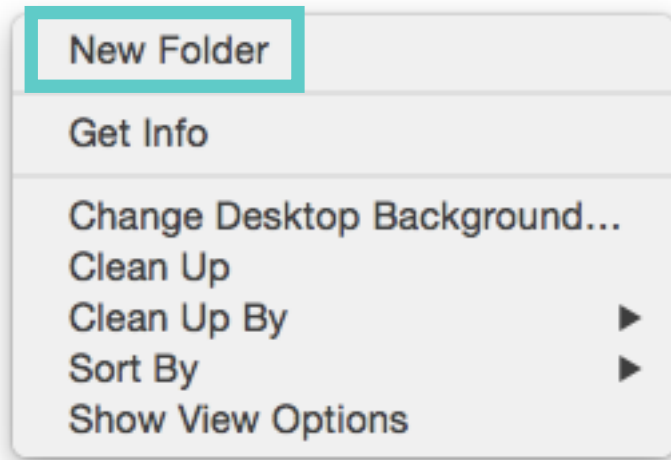


FEWD

LET'S GET EVERYTHING SET UP!

SETTING UP A PROJECT WITH ATOM

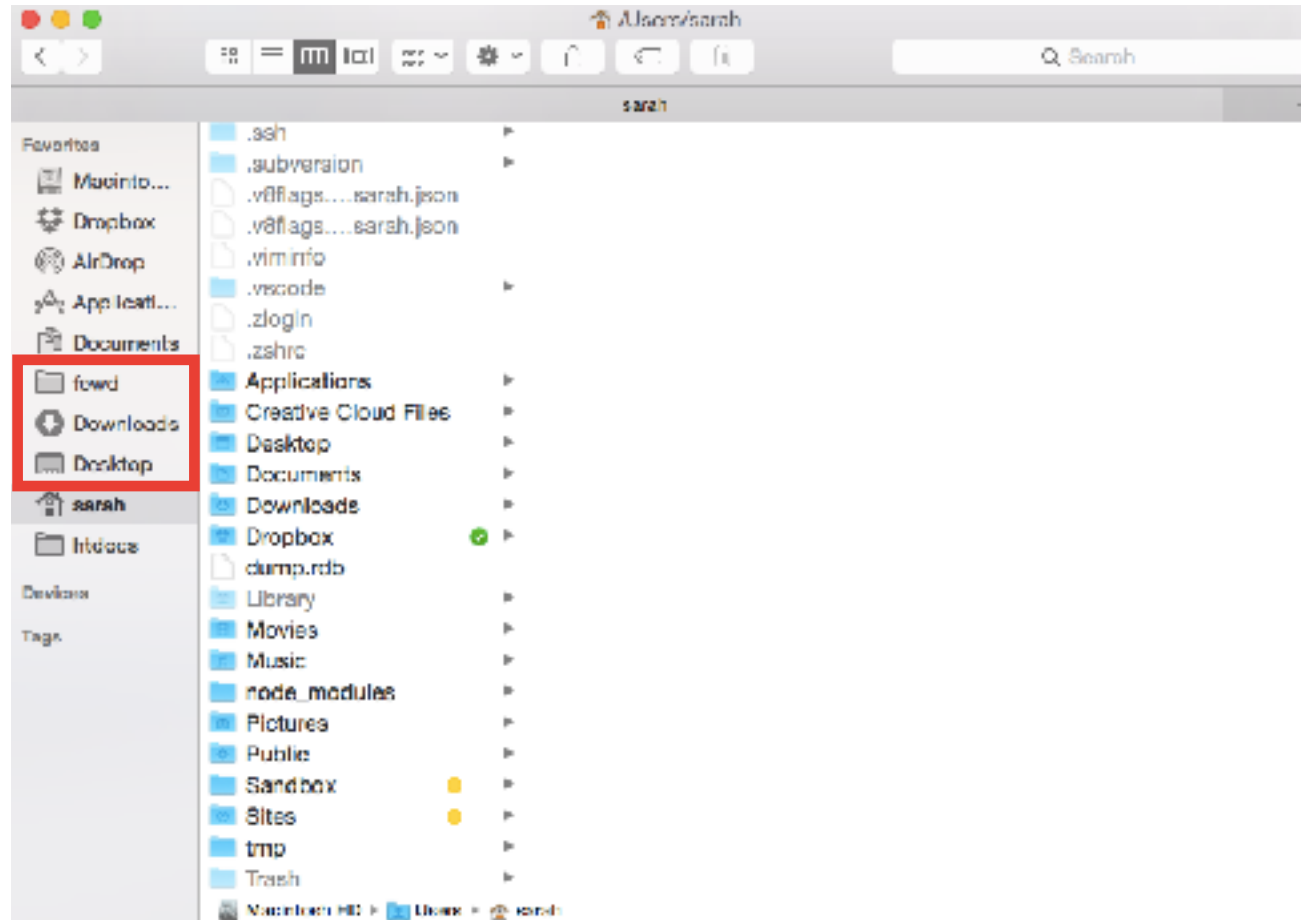
- Right click on your desktop and select "New Folder"
- Name the new folder fewd.



Mac tip: If you can't seem to right-click on a laptop, you may have to hold down the option key while clicking on your trackpad

SETTING UP A PROJECT WITH ATOM

- ▶ Let's get Finder set up!
- ▶ Move the Desktop, Downloads, and fewd folder to the finder sidebar for easy access.



SETTING UP A PROJECT WITH ATOM

1. Download starter code from Dashboard
2. Navigate to Downloads folder, move starter code from Downloads folder to fewd folder.

MORE HTML BASICS

ATOM

WHAT IS ATOM?

- Atom is a plain text editor that is designed to write code
- Another popular text editor for writing code is Sublime Text
- Features of these editors include syntax highlighting along with shortcuts for code
- Any time you make changes to your files, you'll need to save each file before you can view the results in your browser.
- Files are not saved in Atom, they are saved on your computer
- Atom only comes with basic functionality, you can install additional packages to add functionality

CLASS SETUP

At the beginning of each class, you'll want to open the fewd folder in Atom

- Option #1 — Mac: Drag and drop the *entire* fewd folder from your desktop to the Atom icon in the Dock
- Option #2 — Mac or Windows: Open Atom. Then go to `file > Open...` (`file > Open Folder...` on Windows) and select the fewd folder on your Desktop

MORE HTML BASICS

BASIC LAYOUT OF AN HTML DOCUMENT

HTML STRUCTURE

```
<!DOCTYPE html>

<html>

<head>

    <meta charset="UTF-8">

    <title>Document</title>

</head>

<body>


</body>

</html>
```

HTML STRUCTURE — DOCTYPE

DESCRIPTION:

- Tells browser file is written in latest version of HTML — HTML5

BEST PRACTICES:

- Must be very first thing in HTML file!

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<title>Document</title>
```

```
</head>
```

```
<body>
```

```
</body>
```

```
</html>
```

HTML STRUCTURE — HTML

DESCRIPTION:

- ▶ ALL of our HTML code should go within these tags.

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<title>Document</title>
```

```
</head>
```

```
<body>
```

```
</body>
```

```
</html>
```

HTML STRUCTURE — HEAD

DESCRIPTION:

- For behind-the-scenes info
- Metadata that's not displayed
- Info used by browser, search engines

BEST PRACTICES:

- Only one in each HTML file

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<title>Document</title>
```

```
</head>
```

```
<body>
```

```
</body>
```

```
</html>
```

HTML STRUCTURE — META CHARSET

DESCRIPTION:

- Tells our browser which character set to use
- Should always use UTF-8

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<title>Document</title>
```

```
</head>
```

```
<body>
```

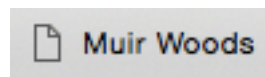
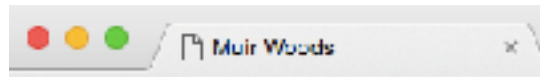
```
</body>
```

```
</html>
```

HTML STRUCTURE — TITLE

DESCRIPTION:

- Tells browser what site is called
- Used for browser tab
- Used for browser bookmarks
- Used by search engines



```
<!DOCTYPE html>

<html>

<head>

    <meta charset="UTF-8">
    <title>Document</title>

</head>

<body>


</body>

</html>
```

HTML STRUCTURE — BODY

DESCRIPTION:

- Wraps all content for our site
- **Everything we want displayed in the browser window gets placed between the body tags** — our HTML elements such as `<h1>`, `<a>`, `<p>`, etc.

BEST PRACTICES:

- Only one in each HTML file

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <meta charset="UTF-8">
```

```
    <title>Document</title>
```

```
</head>
```

```
<body>
```

```
</body>
```

```
</html>
```

HTML STRUCTURE — BODY

**ALL THE HTML YOU WANT TO BE
DISPLAYED IN THE BROWSER
NEEDS TO GO IN THE BODY!!!!!!**



```
<!DOCTYPE html>

<html>

<head>

    <meta charset="UTF-8">

    <title>Document</title>

</head>

<body>

</body>

</html>
```

HTML STRUCTURE

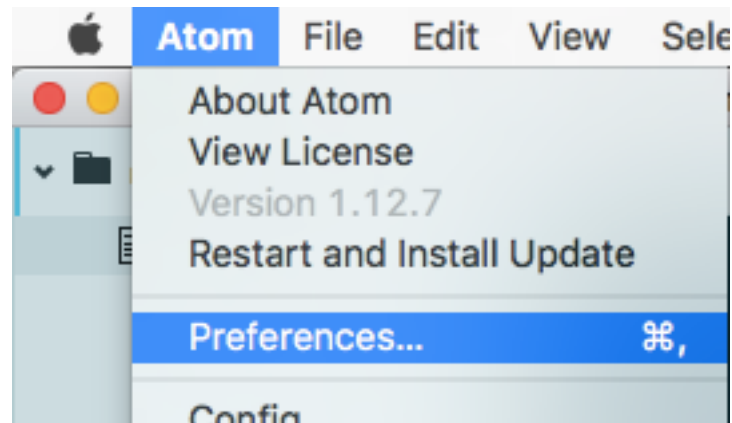


MORE HTML BASICS

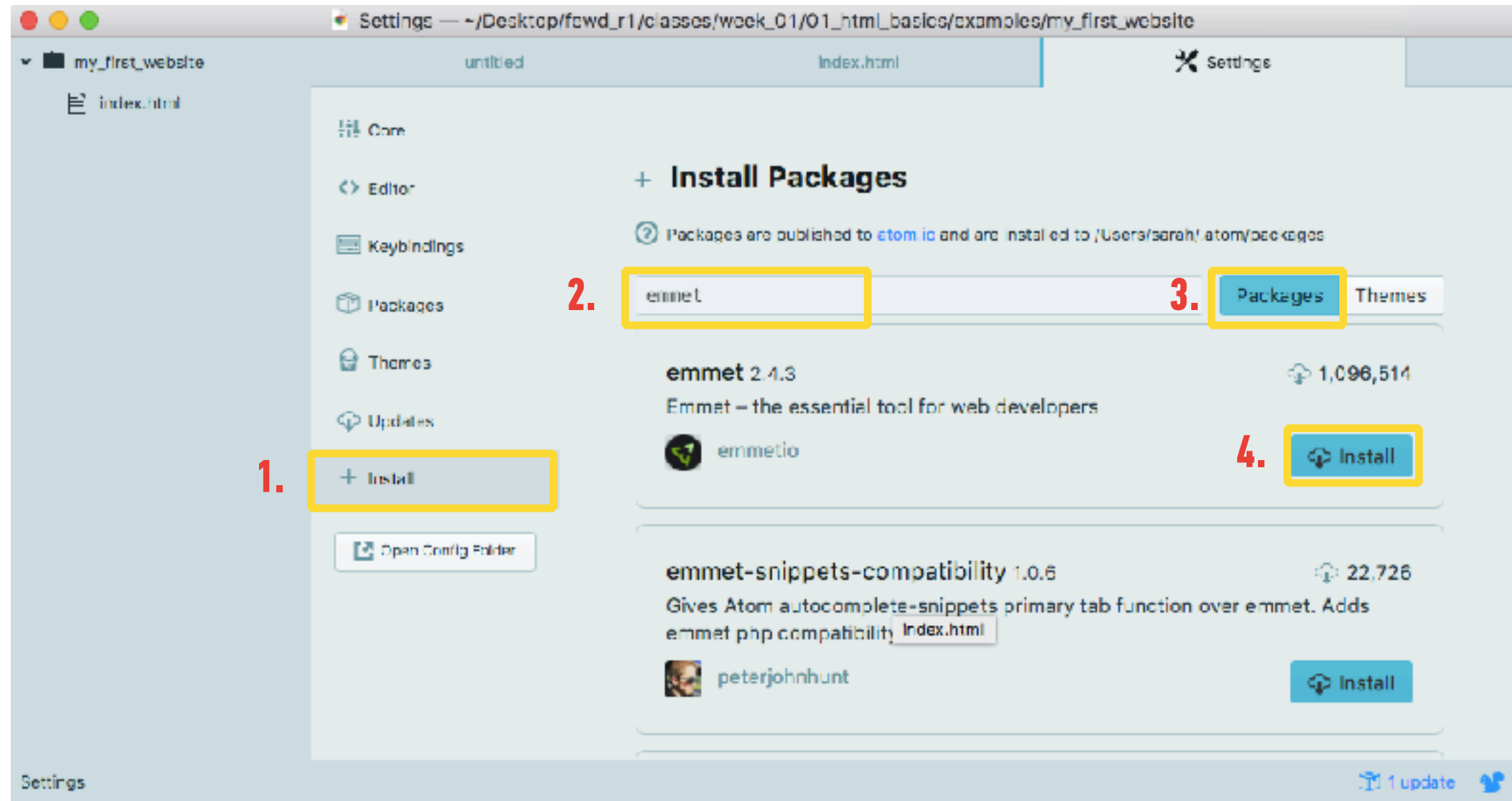
ATOM CONFIGURATION

PLUGINS

Go to Atom > Preferences (File > Settings on Windows)
Command + , on Mac (control + , on Windows)



EMMET PLUGIN



HTML STRUCTURE

! + tab

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Document</title>
  </head>
  <body>

  </body>
</html>
```

SHORTCUTS

Tag name + tab

h1 + tab <h1></h1>

h2 + tab <h2></h2>

p + tab <p></p>

a + tab

img + tab

ul + tab

li + tab

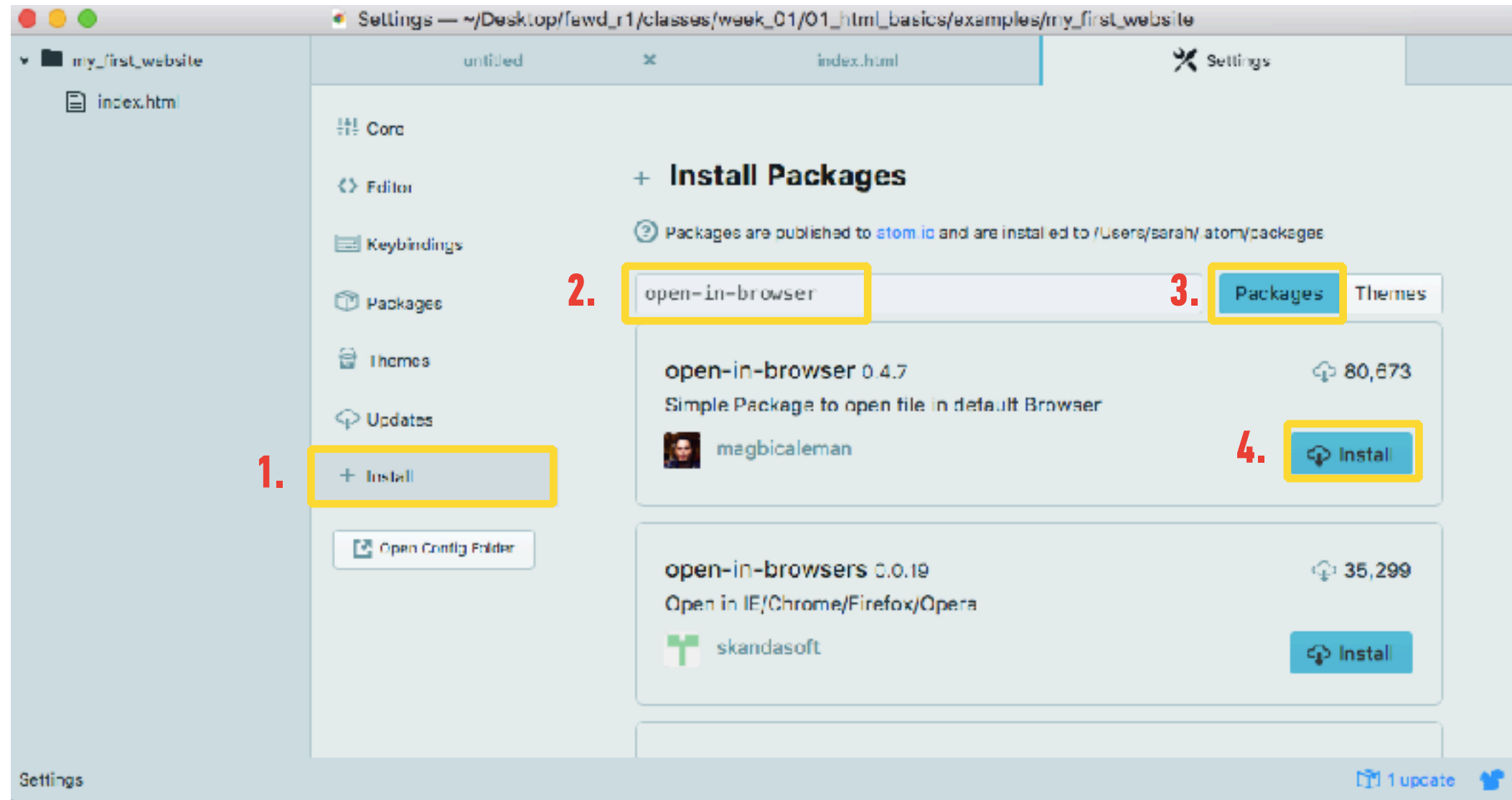
SHORTCUTS — COMMENTS

Mac: select text then `command + /`

Windows: select text then `control + /`

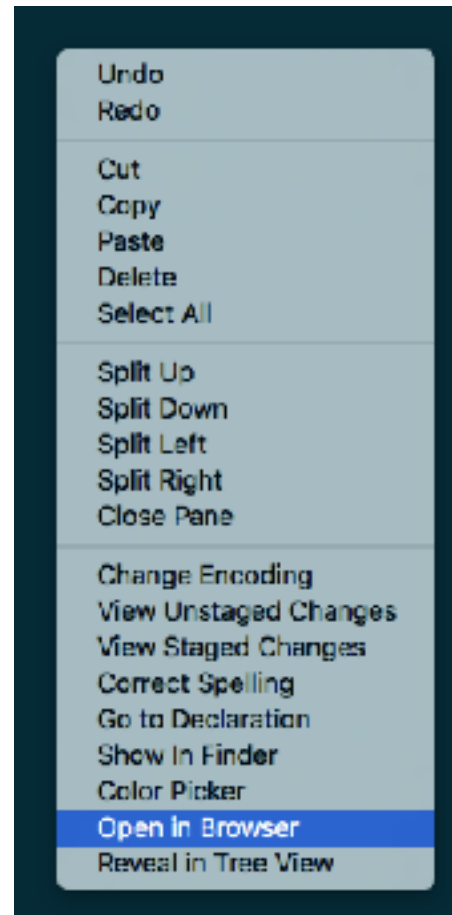
```
<!-- <h1>This is my page title</h1> -->
```

OPEN-IN-BROWSER PLUGIN

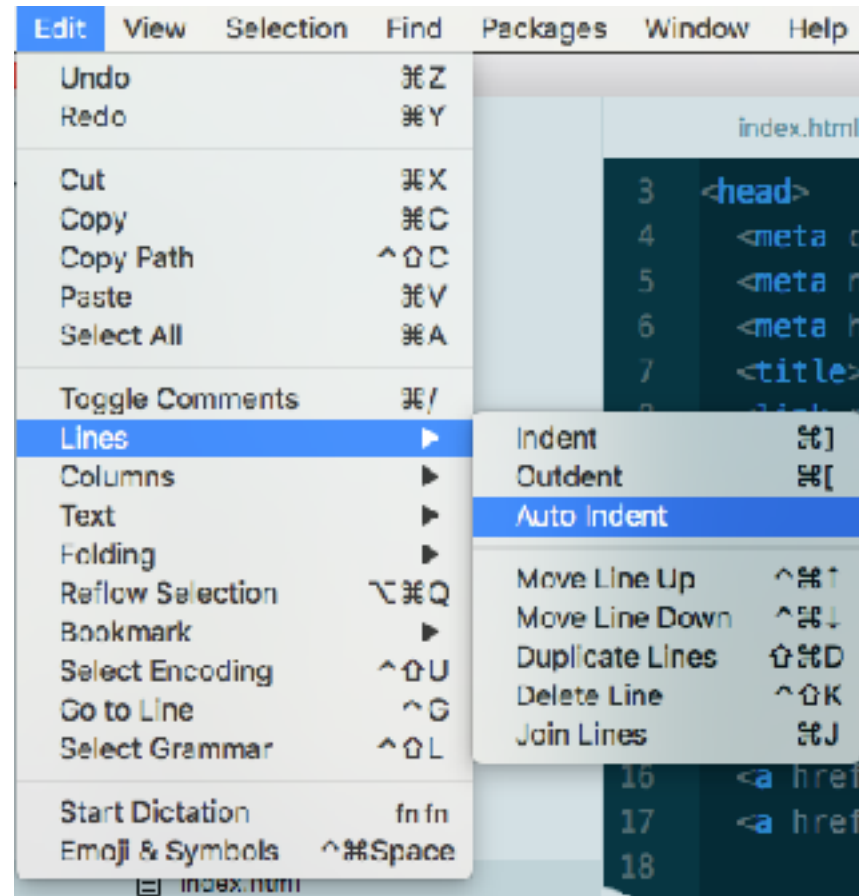


HTML STRUCTURE

Right click in a file with a .html extension and click "Open in Browser"



SHORTCUTS — FIXING INDENTATION



HTML

ADDING A CSS FILE

ADDING A CSS FILE — THE LINK ELEMENT

<link> — TELLS BROWSER WHERE TO FIND THE STYLES FOR THE PAGE

<link rel="stylesheet" href="css/style.css" **>**

**RELATIONSHIP BETWEEN
THE HTML PAGE AND THE
FILE IT IS LINKED TO**

PATH TO THE CSS FILE

ATOM SHORTCUTS

link + tab then put the path to the CSS file for the href

link + tab <link rel="stylesheet" href="">

ADDING A CSS FILE

**MUST GO IN THE
<HEAD> OF THE
DOCUMENT!!!**



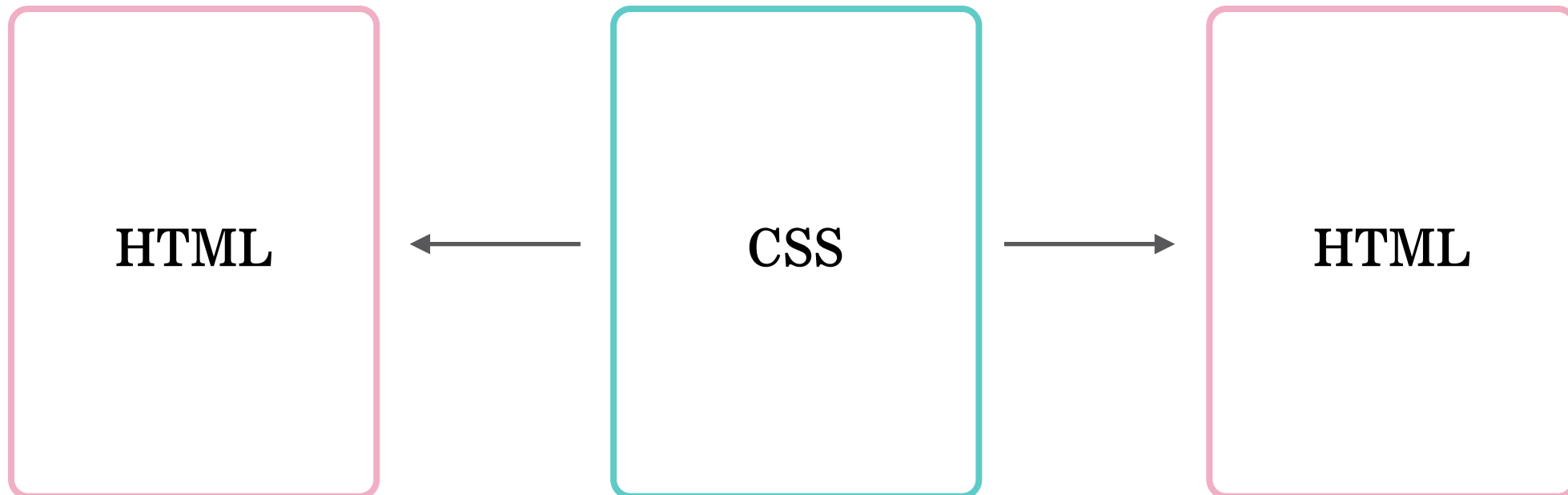
```
<head>  
  <meta charset="UTF-8">  
  <title>My Website</title>  
  <link rel="stylesheet" href="css/style.css">  
</head>
```

The diagram illustrates the correct placement of CSS code within the HTML document. A red bracket on the left side of the code block groups the entire head section, with a line pointing to the instruction 'MUST GO IN THE <HEAD> OF THE DOCUMENT!!!'. The code itself is shown within a red-outlined box, with the <link> tag underlined in red to emphasize its role in linking the CSS file.

INTERNAL VS. EXTERNAL CSS

BENEFITS OF USING AN EXTERNAL STYLESHEET:

- Multiple pages can use same stylesheet (Don't repeat yourself!)
- Only have to make changes in one file
- Keep content separate from presentation



ACTIVITY: LINK TO YOUR CSS FILE



EXERCISE

DIRECTIONS

1. Add a link to the stylesheet in the head of your `index.html` file. It should look like this:

```
<link rel="stylesheet" href="css/style.css">
```
2. Save your `index.html` file.

FEWD

REVIEW

HOW DO I WRITE HTML?

OPENING TAG CLOSING TAG

<tagName>content</tagName>

ELEMENT

The diagram illustrates the structure of an HTML element. It shows the text '<tagName>content</tagName>' centered. Above the opening tag '<tagName>' is the label 'OPENING TAG' in teal, connected by a teal horizontal line and a vertical line. Above the closing tag '</tagName>' is the label 'CLOSING TAG' in teal, also connected by a teal horizontal line and a vertical line. Below the entire string '<tagName>content</tagName>' is a long pink horizontal line, with a vertical pink line extending down to the label 'ELEMENT' in pink.

STRUCTURAL TAGS — HEADINGS & PARAGRAPHS

ELEMENT	DESCRIPTION	EXAMPLE
h1	Main headings	<code><h1>The Explorer</h1></code>
h2 - h6	Subheadings	<code><h2>Articles</h2></code>
p	Paragraph of text	<code><p>This is a really cool site.</p></code>

STRUCTURAL TAGS — UNORDERED LISTS

ELEMENT	DESCRIPTION	EXAMPLE
ul	Unordered List	<pre> Monday Tuesday Wednesday </pre>
li	List Item	

NAVIGATION AND HR

ELEMENT	DESCRIPTION	EXAMPLE
hr	Horizontal rule	<hr>

ANCHORS

`Amazon`

PAGE THE LINK TAKES YOU TO

CLICKABLE TEXT

IMAGES

```

```

PATH TO IMAGE FILE INCLUDING HTTP OR HTTPS

TEXT DESCRIPTION

MORE HTML BASICS

URLS

ANCHORS

LINKING TO AN EXTERNAL WEBSITE:

`Amazon`

PAGE THE LINK TAKES YOU TO **CLICKABLE TEXT**

LINKING TO ANOTHER PAGE ON YOUR SITE:

`About`

FILE THE LINK TAKES YOU TO **CLICKABLE TEXT**

IMAGES

LINKING TO AN IMAGE IN MY WEBSITE FOLDER:

```

```

PATH TO IMAGE FILE

TEXT DESCRIPTION

LINKING TO AN IMAGE ONLINE:

```

```

PATH TO IMAGE FILE INCLUDING HTTP OR HTTPS

TYPES OF URLS

- There are two main types of URLs:



ABSOLUTE



RELATIVE

ABSOLUTE URLS

LINKING TO AN IMAGE OR PAGE ON ANOTHER SITE:

- Value of the href attribute will be the *full web address* for the site (including `http://` or `https://`)

```
<a href="http://www.amazon.com">Amazon</a>
```

```

```

RELATIVE URLS

LINKING TO AN IMAGE OR PAGE ON YOUR OWN SITE:

If file is in the **same folder**, simply use the file name.

```
<a href="info.html">Info</a>
```

```

```

If file is in a **subfolder**, include this folder in the relative url.

```
<a href="about/about.html">About</a>
```

```

```

HTML

LAB — PART 1

ACTIVITY: PRACTICE WRITING HTML



EXERCISE

DIRECTIONS

1. Add HTML to structure the text in Lazy Days > index.html
2. Use part1.png as a guide for the structure.

BONUS:

1. Try some of the shortcuts listed on your Cheat Sheet
2. Add a file about.html in the Lazy Days folder.
3. Add the HTML boilerplate to the file
4. Add a heading for the page "About"
5. Now update the link in the nav on your index.html file to link to the page you created.

INTRO TO CSS

WHAT IS CSS?



A demonstration of what can be accomplished through CSS-based design. Select any style sheet from the list to load it into this page.

Download the example [HTML FILE](#) and [CSS FILE](#)

THE ROAD TO ENLIGHTENMENT

Littering a dark and dreary road lay the past relics of browser-specific tags, incompatible DOMs, broken CSS support, and abandoned browsers.

We must clear the mind of the past. Web enlightenment has been achieved thanks to the tireless efforts of folk like the W3C, WASP, and the major browser creators.

The CSS Zen Garden invites you to relax and meditate on the important

MID-CENTURY MODERN

by Andrew Lohman

GARMENTS

by Dan Mall

STEEL

by Steffen Knöller

APOTHECARY

by Trent Walton

HTML

CSS BASICS

WHAT IS CSS?

We use CSS to add *styles* to the HTML elements on our page.

What we are styling
(selector) → `p {`
`color: blue;`
`font-size: 20px;`
`font-style: italic;`
`}`  Styles!

CODE ALONG

<https://codepen.io/sarahholden/pen/BwPMXa?editors=1100>

COLOR

PROPERTY	VALUE	DESCRIPTION	EXAMPLE
color	color	Text color	color: #22475E;
background-color	color	Background color	background-color: green;

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.

```
body {  
  background-color: #22475E;  
}
```

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.

```
h1, p {  
  color: #98D2BF;  
}
```

DEFAULT TEXT STYLES & BACKGROUND-COLOR

```
body {  
  background-color: #22475E;  
  color: #0D2C40;  
}
```

ACTIVITY

1. Set the color of the h1 to #6F8AB7
2. Set the color of the a to #EF626C
3. Bonus: pick a color from coolors.co and update the paragraphs to your color

TYPEFACE TERMINOLOGY — PART 2

PROPERTY	VALUES	EXAMPLE
font-weight	normal, bold, 400, 700	font-weight: bold;
font-style	regular, italic	font-style: italic;
font-size	px value	font-size: 20px;

ACTIVITY

1. Set the font-weight of the paragraphs to 700.
2. Make the h1 italic.
3. Change the font size of the h1 to 40px
4. Change the font size of the h3s to 20px

FONT FAMILY

PROPERTY	VALUES	EXAMPLE
font-family	"font name", sans-serif, serif	font-family: "Georgia", serif;

Arial

Georgia

- ▶ We can provide a comma-separated list for the value.
- ▶ The browser will display the first font that is installed on that computer.

GOOGLE FONTS

Web font services — like Google Fonts — allow us to ensure that all users can see the same font.

1. Visit the link to Google Fonts on the dashboard
2. Click the tab that pops up at the bottom:



3. Click the "Embed" tab and @import
4. Copy the import code and paste it in your CSS file

```
body {  
    font-family: 'Raleway';  
}
```

```
p {  
    font-family: 'Lato';  
}
```

ACTIVITY

1. Set the font family for the h1 to "Playfair Display"
2. Bonus: Set the font for *all other* text on the page to "Open Sans" (Hint: do this under the body selector)

TYPEFACE TERMINOLOGY — PART 1

PROPERTY	VALUES	EXAMPLE
text-align	left, center, right, justify	text-align: center;
text-transform	uppercase, lowercase, capitalize	text-transform: uppercase;
text-decoration	none, <u>underline</u>	text-decoration: underline;

ACTIVITY

1. Make the h1 uppercase.
2. Align all text on the page to the center (hint: under body in the CSS panel)
3. Remove the underline from the anchor.

FEWD

DEBUGGING HTML & CSS

APPROACHING A PROJECT

- ▶ Start your site build with a final layout in mind, so you have an idea of where you're headed
- ▶ When building a website, the best way to avoid problems is to test early and test often.
- ▶ When the results are different from what you expect, you will need to be able to troubleshoot and figure out which part of the code is causing issues.

TROUBLESHOOTING — COMMENTING OUT CODE

- ▶ If you're having trouble isolating the issue, try using the comment feature in your text editor to "comment out" sections of your code.
- ▶ Each piece of "commented out" code will be ignored by the browser.
- ▶ This will allow us to test each piece separately.

```
<!--    <header>
|
|    <p>This will be the top section.</p>
|    </header> -->

|
|    <div class="main column">
|    |    <p>This will be the main column.</p>
|    </div>

|
|    <div class="side column">
|    |    <p>This will be the side column.</p>
|    </div>

|
|    <!--    <footer>
|    |
|    |    <p>This will be the bottom section.</p>
|    |    </footer> -->
```

SHORTCUTS — COMMENTS

Mac: select text then `command + /`

Windows: select text then `control + /`

```
<!-- <h1>This is my page title</h1> -->
```

TROUBLESHOOTING —COLOR PATTERNS

- ▶ Pay attention to the color patterns in your text editor.
- ▶ When the color is off, that may be a hint that you have an error.

```
<h1>My First Website  
<h2>HTML and CSS Rule!</h2>  
  
<a href="https://www.google.com/">Visit my website</a>  
  
<h3>Developer's Creed</h3>  
<p>Repeat this three times each night before you go to sleep.</p>
```

TROUBLESHOOTING —COLOR PATTERNS

```
h1 {  
  text-transform: uppercase;  
  text-align: center;  
  font-size: 40px;  
  letter-spacing: 1px;  
}
```

TROUBLESHOOTING — HTML VALIDATOR

- ▶ Online code validators are helpful tools that can help you catch syntax errors as you work.
- ▶ An HTML validator can help catch errors such as missing closing tags, missing quotation marks, or misspelled tags.
- ▶ A popular option for HTML validation is <https://html5.validator.nu/>

TO VALIDATE HTML:

1. Go to <https://html5.validator.nu/>
2. Select "Text Field" from the dropdown
3. Delete the default HTML that is in the text field
4. Copy and paste your entire HTML file into the text field.
5. Click the "Validate" button.

TROUBLESHOOTING — CSS VALIDATOR

- ▶ A CSS validator can help us catch errors such as a missing semicolon, missing curly brace, or misspellings.

STEPS TO VALIDATE CSS:

1. Go to <http://csslint.net/>
2. Select the "By direct input" tab
3. Copy and paste your entire CSS file into the text field.
4. Click the "Check" button.

TROUBLESHOOTING — GOOGLE IT!

- ▶ If all else fails, try searching on Google and see if you can find answers.
- ▶ Stack Overflow is a popular site with questions/answers about common issues
- ▶ When searching, make sure to include the language in the search term. For example, "Centering image CSS"

FEWD

HTML5 STRUCTURAL ELEMENTS

```
graph TD; subgraph header; nav; end; subgraph main; article1[article]; article2[article]; end; footer;
```

header

nav

main

article

article

footer



header

The diagram consists of a large outer rectangle with a thin gray border. Inside the top-left corner of this rectangle is a smaller rectangle with a thick red border. Centered within the red-bordered rectangle is the text 'header'. Inside the 'header' rectangle is another rectangle with a thick dark purple border. Centered within this innermost rectangle is the text 'nav'.

nav

HTML5 STRUCTURAL ELEMENTS

nav – Used to group together major navigational blocks on a page

```
<nav>
  <a href="home.html">Home</a>
  <a href="about.html">About</a>
  <a href="contact.html">Contact</a>
</nav>
```

To add styles to the **nav**:

```
nav {
  background-color: #dfdfff;
}
```

HTML5 STRUCTURAL ELEMENTS

header – used to group elements in the opening section of a page.

Examples of content that may be inside of the header:

- any main headings on your site
- the navigation
- a search form for the site
- the site logo
- any other introductory content.

```
<header>
  <h1>My Portfolio Site</h1>
  <nav>
    <a href="home.html">Home</a>
    <a href="about.html">About</a>
    <a href="contact.html">Contact</a>
  </nav>
</header>
```

```
graph TD; main[main] --- article1[article]; main --- article2[article];
```

main

article

article

HTML5 STRUCTURAL ELEMENTS

main – Groups content that is unique to a particular page. This would exclude any content on a site that might be repeated on multiple pages, such as the navigation and footer.

```
<main>
  <h2>Down the Rabbit Hole</h2>
  <p>Alice was beginning to get very tired of sitting by her sister on the bank, and
  of having nothing to do...</p>

  ...

  <h2>About Alice</h2>
  <p>Alice is a fictional character and protagonist of Lewis Carroll's children's
  novel Alice's Adventures in Wonderland (1865) and its sequel ... she steps through
  a mirror into the Looking-Glass Land.</p>
</main>
```

HTML5 STRUCTURAL ELEMENTS

article – Represents a self-contained, standalone section of an HTML document.

This element could be used just once on a page - for example, a blog post may be a single article - or multiple times - for example, an online newspaper page may have numerous articles.

`<article>`

`<h2>My Very Interesting blog article</h2>`

`<p>Alice was beginning to get very tired of sitting by her sister on the bank, and of having nothing to do: once or twice she had peeped into the book her sister was reading, but it had no pictures or conversations in it, "and what is the use of a book," thought Alice "without pictures or conversation?"</p>`

`<p>So she was considering in her own mind (as well as she could, for the hot day made her feel very sleepy and stupid), whether the pleasure of making a daisy-chain would be worth the trouble of getting up and picking the daisies, when suddenly a White Rabbit with pink eyes ran close by her.</p>`

`</article>`

footer

HTML5 STRUCTURAL ELEMENTS

footer – Used for the concluding section of a page.

Examples of content a footer might include:

- copyright info
- social media links

```
<footer>  
  <p>Copyright 2017.</p>  
</footer>
```

ACTIVITY



EXERCISE

KEY OBJECTIVE

- ▶ Identify content sections

TYPE OF EXERCISE

- ▶ Partner

TIMING

8 min

1. Go through each slide and discuss which structural element you would use for each.

LAZY DAYS

[ARTICLES](#) [ABOUT](#) [CONTACT](#)

NEVER EAT AT HOME AGAIN

by Susan Smith



As my New Year's resolution in 2016, I tried to never again make a meal at home. I found that cooking wasn't as home each time and others, and the food never seemed to measure up to the greasy food that is readily available at any old diner.

Aspernatur a recusandae aseriores fugit quibundam, repudiandae praesentium dolore non mollitiamini vixit, aut facere Culpa saepe iure hic facilis deserunt, doloreque, quidem nobis ducimus, necessitatibus amet dolorem veniam voluptatibus.

THE ART OF DOING ABSOLUTELY NOTHING

By Joel Peritz



Is your job taking too much time away from your rest and relaxation? Does your algebra homework keep you up at night? I used to be in the same boat until I quit work and school and devoted myself to doing absolutely nothing. Many people think that laziness is a vice, but I am here to tell you that it is an art.

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ACTIVITY



EXERCISE

KEY OBJECTIVE

- Practice structuring a page with HTML5 elements.

TIMING

1 min

1. Add a header around the h1 and h2 in this [CodePen](#)
2. Style the header in the CSS panel by giving it a white background-color

CODEALONG

Follow along in this [CodePen](#)

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
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flannel single-origin coffee stumptown meditation
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Marfa. Migas raw denim photo booth authentic, roof party
shabby chic pop-up flexitarian *skateboard* blog.

FEWD

CONTENT

CONTENT

```
<h1>My Site Title</h1>
```

BOX MODEL ANALOGY



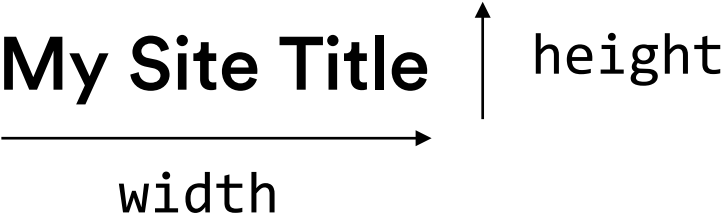
Read more about the suburban neighborhood example [here](#).

CONTENT

Content —————> **My Site Title**

CONTENT

My Site Title



A diagram illustrating the dimensions of the text "My Site Title". A horizontal arrow points from the left edge of the text to the right edge, with the word "width" centered below it. A vertical arrow points from the bottom edge of the text to the top edge, with the word "height" centered to its right.

CONTENT

```
h1 {  
  width: 300px;  
  height: 40px;  
}
```

FEWD

BORDERS

BORDERS

Border —————→ **My Site Title**

BORDER SHORTHAND

For a border on all sides:

`border: width style color;`

`border: 1px solid red;`

For a border on one side:

`border-top: width style color;`

`border-top: 1px solid red;`

`border-right: width style color;`

`border-right: 1px solid red;`

`border-bottom: width style color;`

`border-bottom: 1px solid red;`

`border-left: width style color;`

`border-left: 1px solid red;`

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?

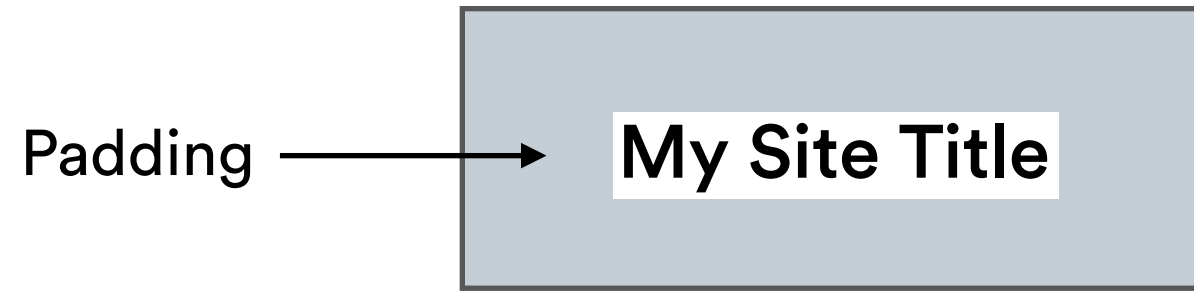
```
border: 1px solid red;
```

FEWD

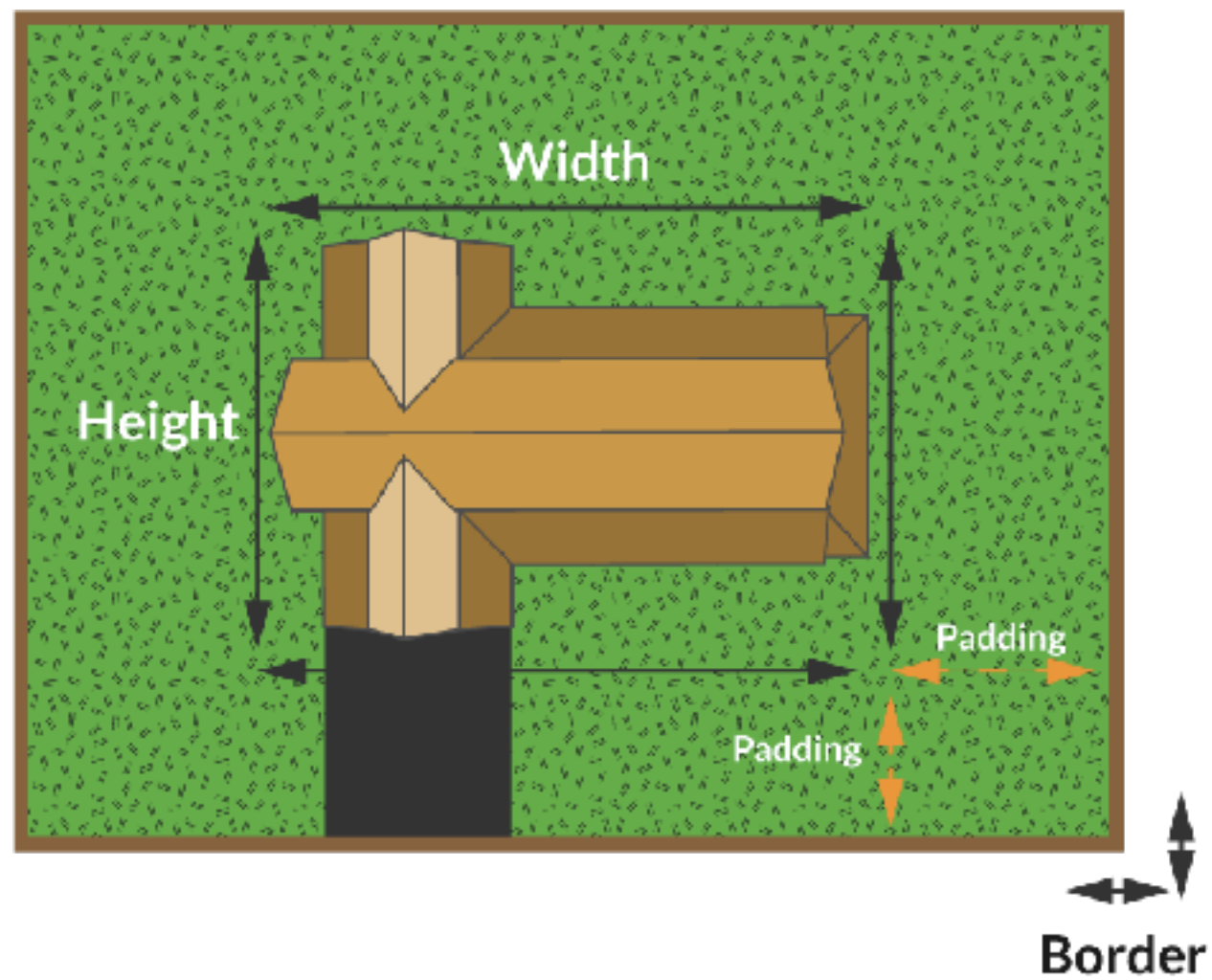
PADDING

PADDING

We can add padding to get space between our content and the border



PADDING



BOX MODEL — PADDING SYNTAX

For even padding on all sides:

`padding: ##px; padding: 20px;`

For padding on one specific side:

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

For different size padding for each side:

`padding: top right bottom left; padding: 20px 10px 5px 10px;` *Memory device: Trouble!*

Shorthand if top/bottom are the same and left/right are the same:


`padding: top/bottom right/left; padding: 20px 10px;`

FEWD

MARGIN

MARGIN

We can add margin to add space between elements on our pages.

Needs more space!  **My Site Title**
My Site Subtitle

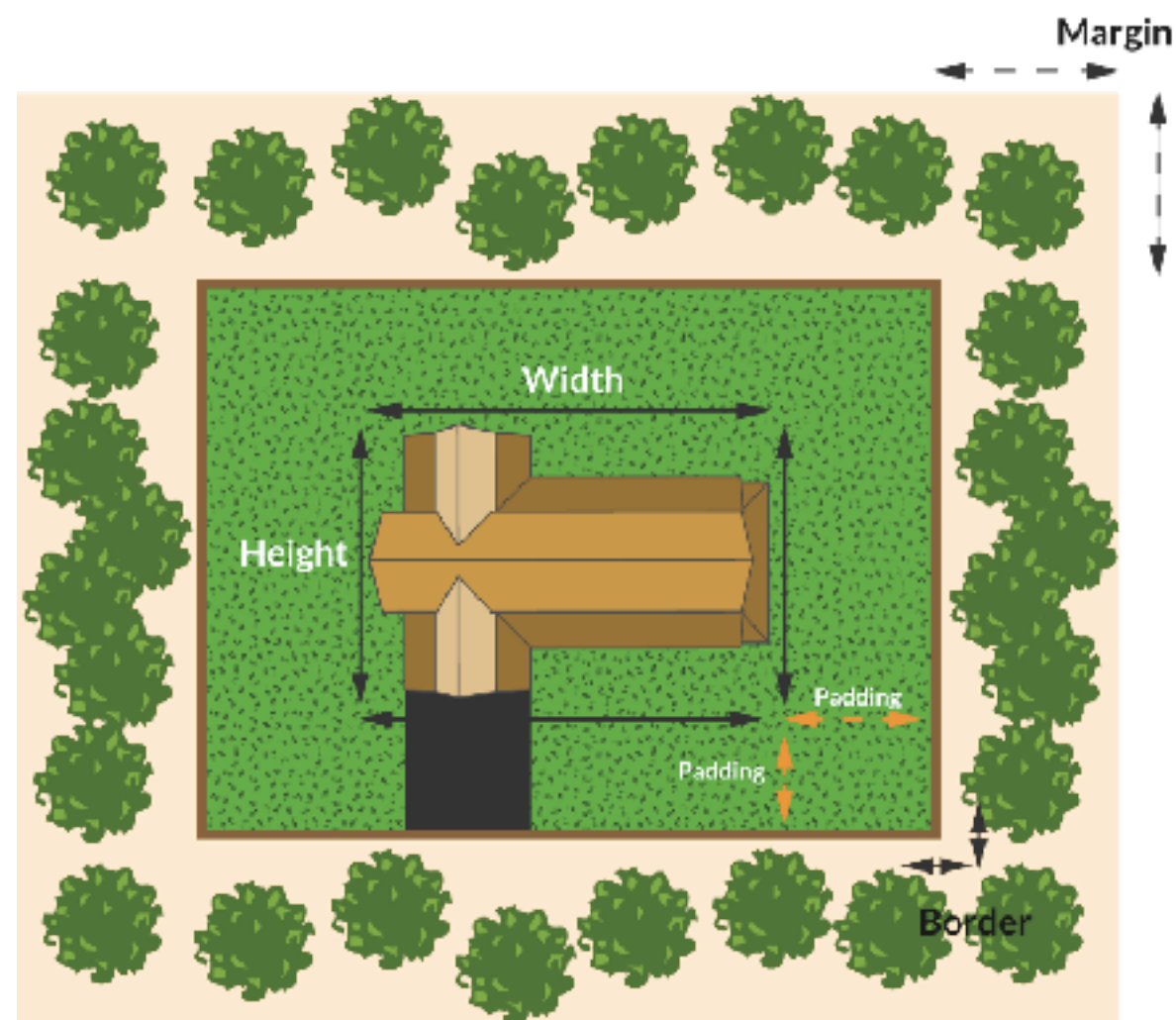
MARGIN

Margin →



My Site Title

MARGIN



BOX MODEL — PADDING SYNTAX

For even margin on all sides:

`margin: ##px; margin: 20px;`

For margin on one specific side:

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

For different size margin for each side:

`margin: top right bottom left; margin: 20px 10px 5px 10px;` *Memory device: Trouble!*

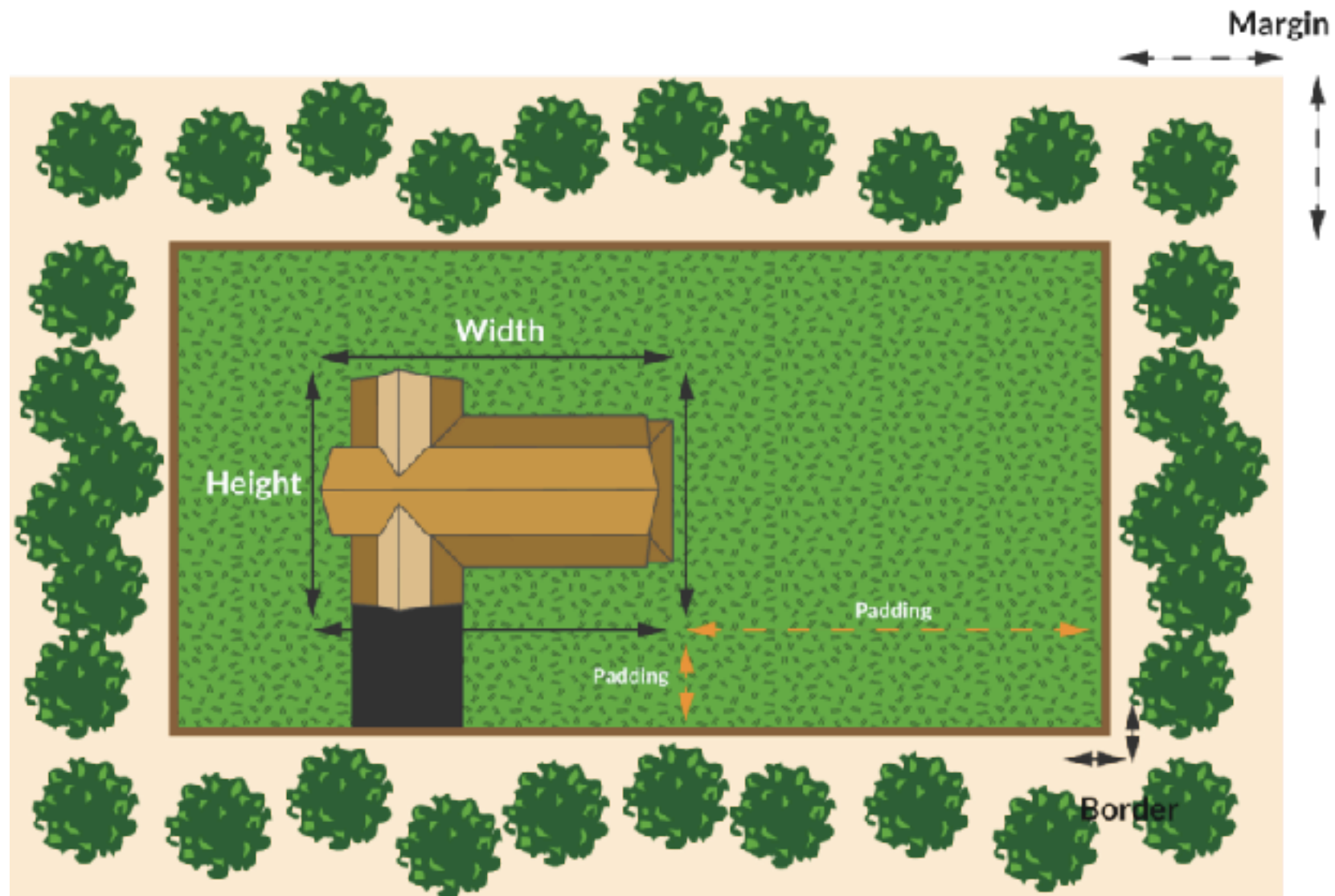
Shorthand if top/bottom are the same and left/right are the same:

`margin: top/bottom right/left; margin: 20px 10px;`

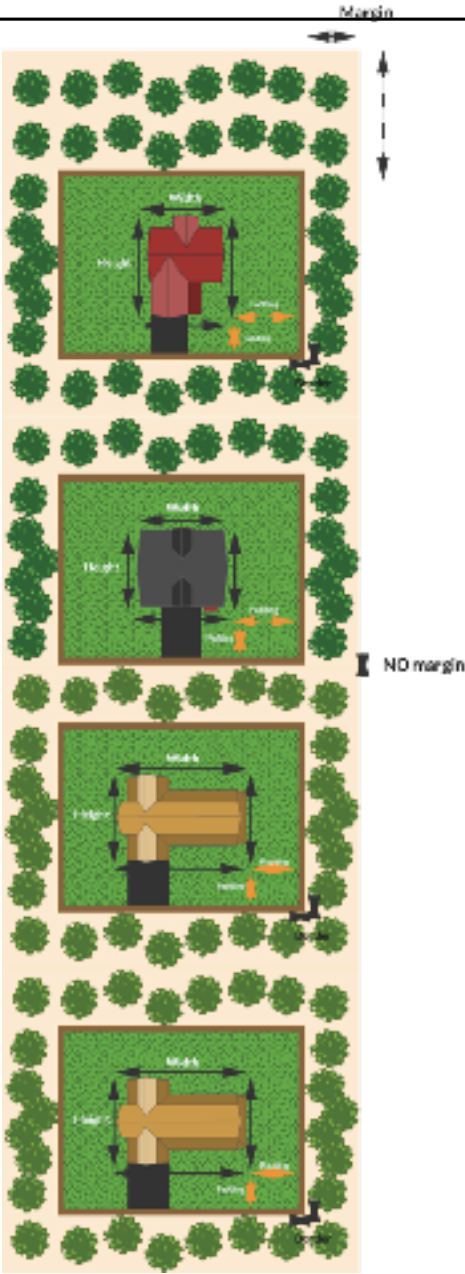
FEWD

PADDING VS. MARGIN

PADDING



MARGIN



CSS JOKES



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



CSS PUNS



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



CSS PUNS



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



CSS JOKES



```
#usa + #mexico {  
border: 1px dashed;  
}
```



ACTIVITY



EXERCISE

KEY OBJECTIVE

- Practice structuring a page with HTML5 elements.
- Add styles to a webpage

TIMING

15 min

1. Add HTML (including tags such as header, main, article) to the page using part_1.png as a guide
2. Style the page using part_2.png as a guide
3. Bonus: Practice adding padding, margin, and borders using part_3.png as a reference. You'll need to do some research!
4. Bonus #2: Add a hover effect for anchors
5. Bonus #3: Style the page as shown in the advanced image

LEARNING OBJECTIVES

- › Set up a workspace for the class and practice using common shortcuts
- › Add an external stylesheet to an HTML web page.
- › Predict image paths and apply relative paths to `` and `<a>` tags.
- › Learn how to use common debugging techniques to troubleshoot errors in code.
- › Add structure to a website using HTML5 structural elements such as header, footer, article, and main

WEEKLY OVERVIEW

WEEK 1

HTML Basics / CSS Basics

WEEK 2

CSS Selectors / Layout

WEEK 3

Layout Lab & Wireframing / Responsive Design

CSS BASICS

HOMEWORK

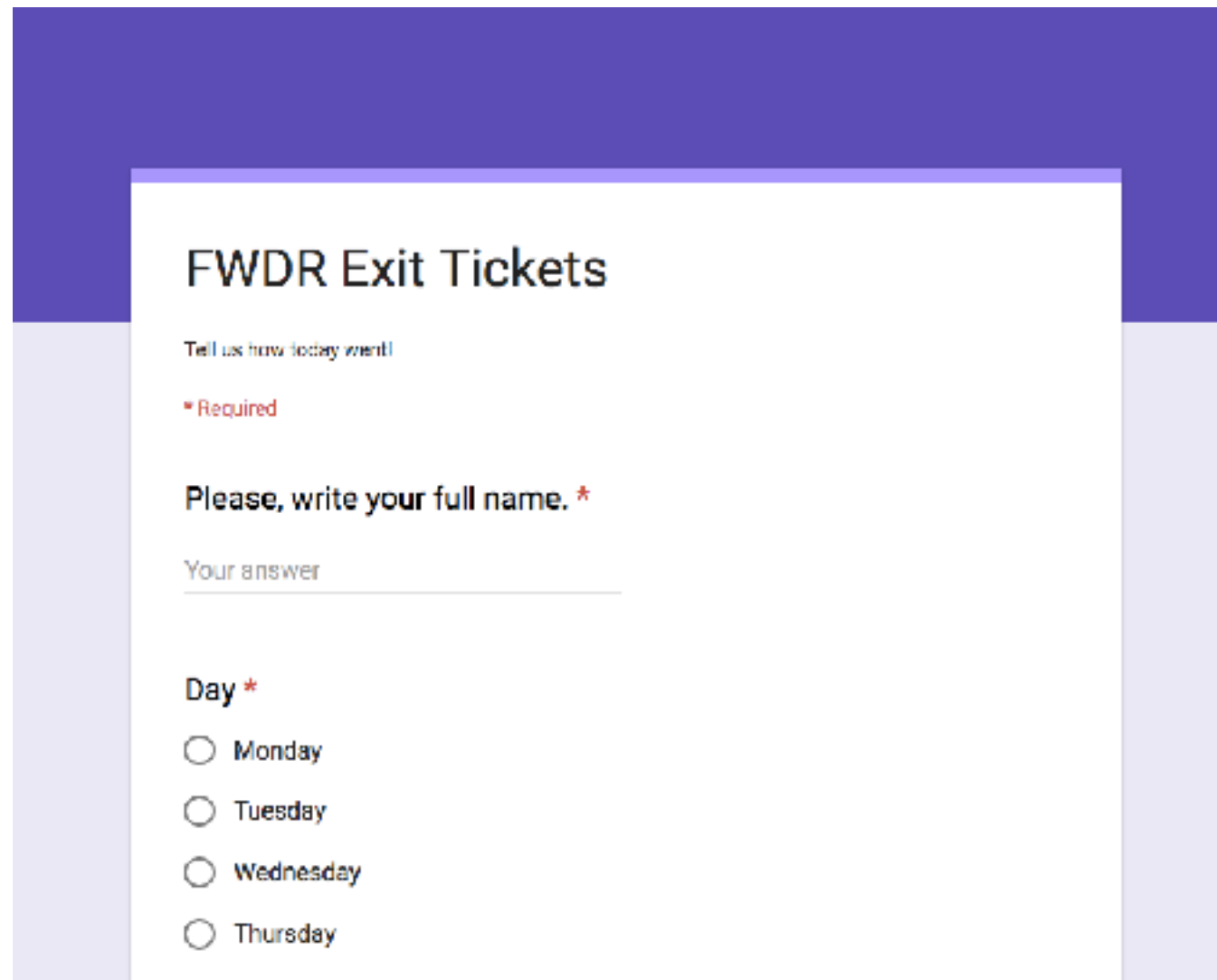
HOMEWORK

- Read through the homework specs on the Dashboard

HTML BASICS

EXIT TICKETS

HTML BASICS



FWDR Exit Tickets

Tell us how today went!

▪ Required

Please, write your full name. *

Your answer

Day *

- ☐ Monday
- ☐ Tuesday
- ☐ Wednesday
- ☐ Thursday