



WELCOME TO FEWDR!

Setup Instructions

- Make sure your camera is on
- Download [Github Desktop](#)
- Download [Visual Studio Code](#) text editor
- Download [Chrome](#)
- Create free [CodePen](#) account

Introductions



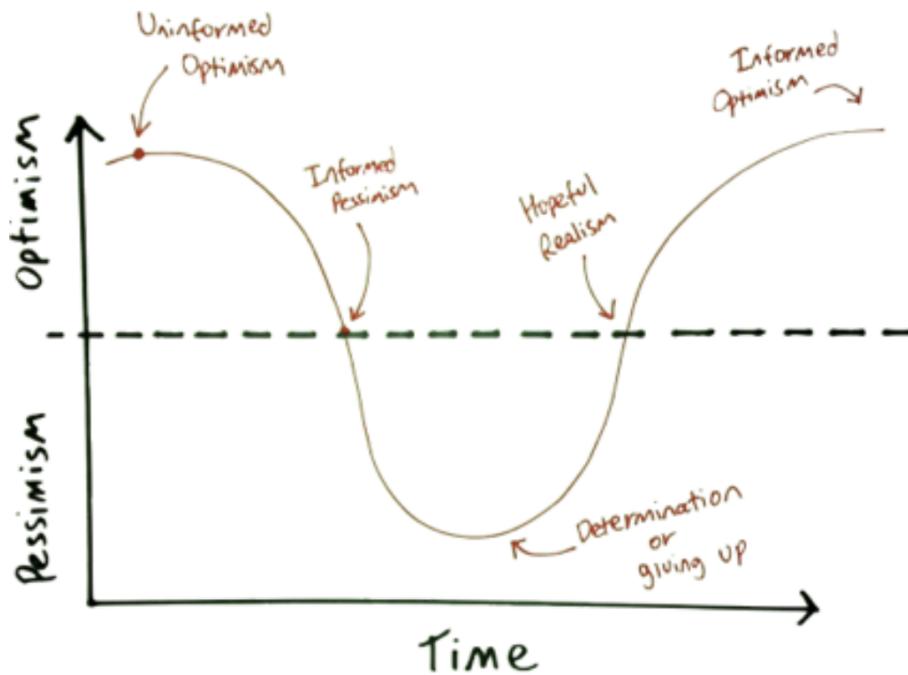
Meet your classmates

- Name/where are you located
- What you do?
- What brought you to GA?
- What do you hope to get out of FEWDR?
- Fun fact/hobby

COURSE EXPECTATIONS

REMEMBER!

EMOTIONAL CYCLE OF CHANGE



Classroom Culture

Let's all agree to...

- Be **PRESENT** and **INVOLVED**
- Be **RESPECTFUL** of other people's time
- **HONOR** your commitments
- Be **SUPPORTIVE** of each other

Certificate of Completion



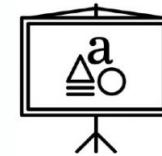
Complete 80% of the homework

1

2



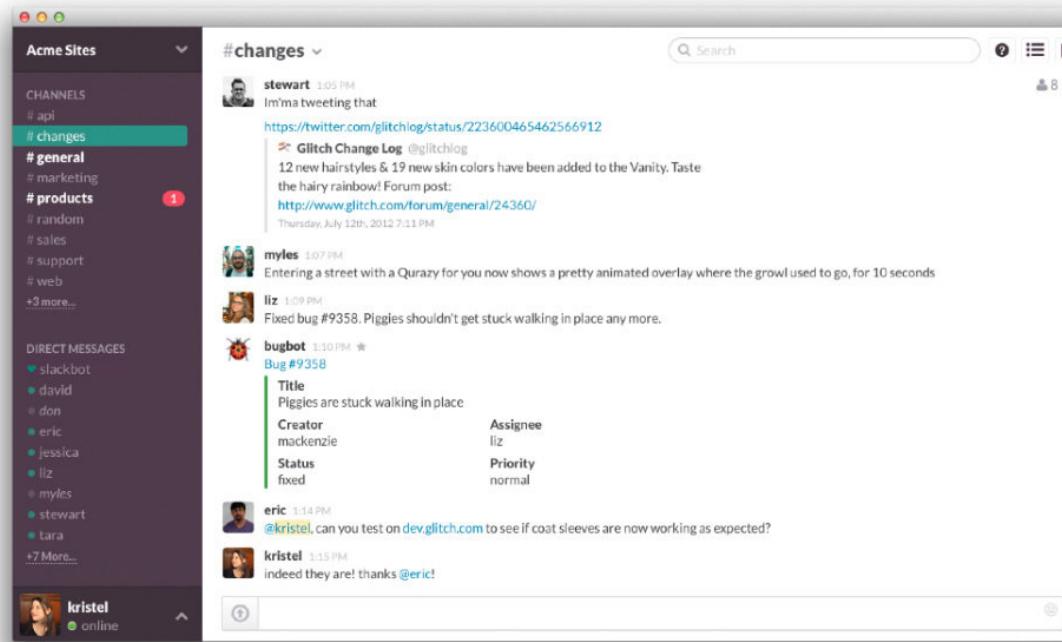
Don't miss more than 3 classes



Complete and present a final project

3

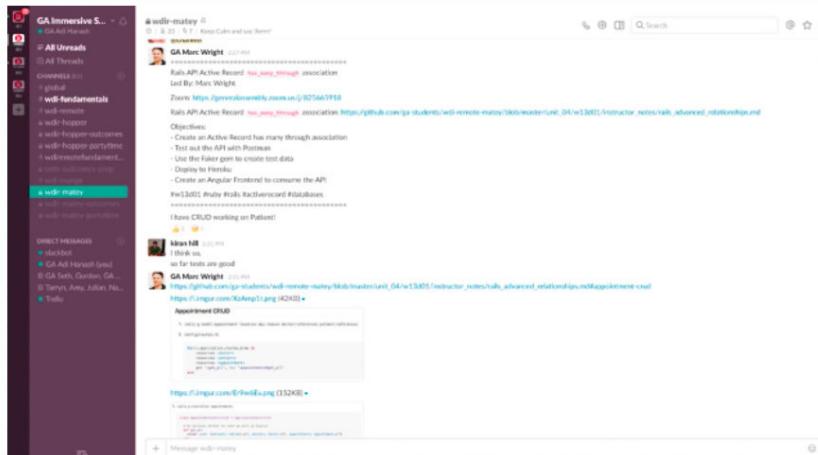
Slack



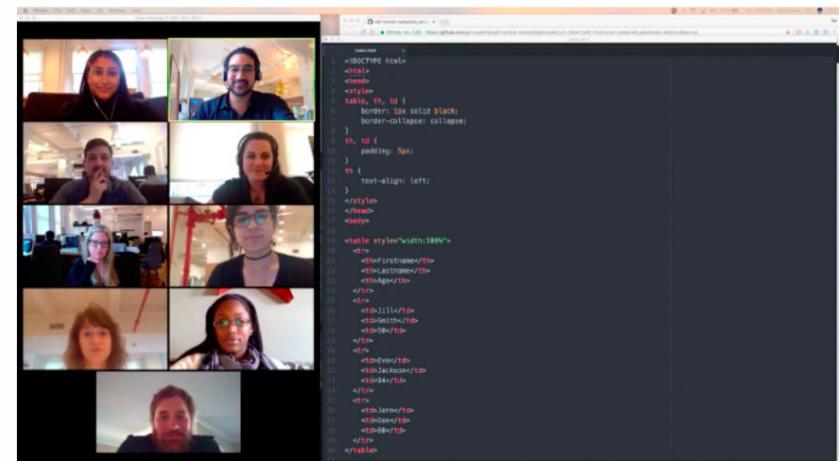
All course communication between instructors and
classmates will happen here

Dual-monitor Setup

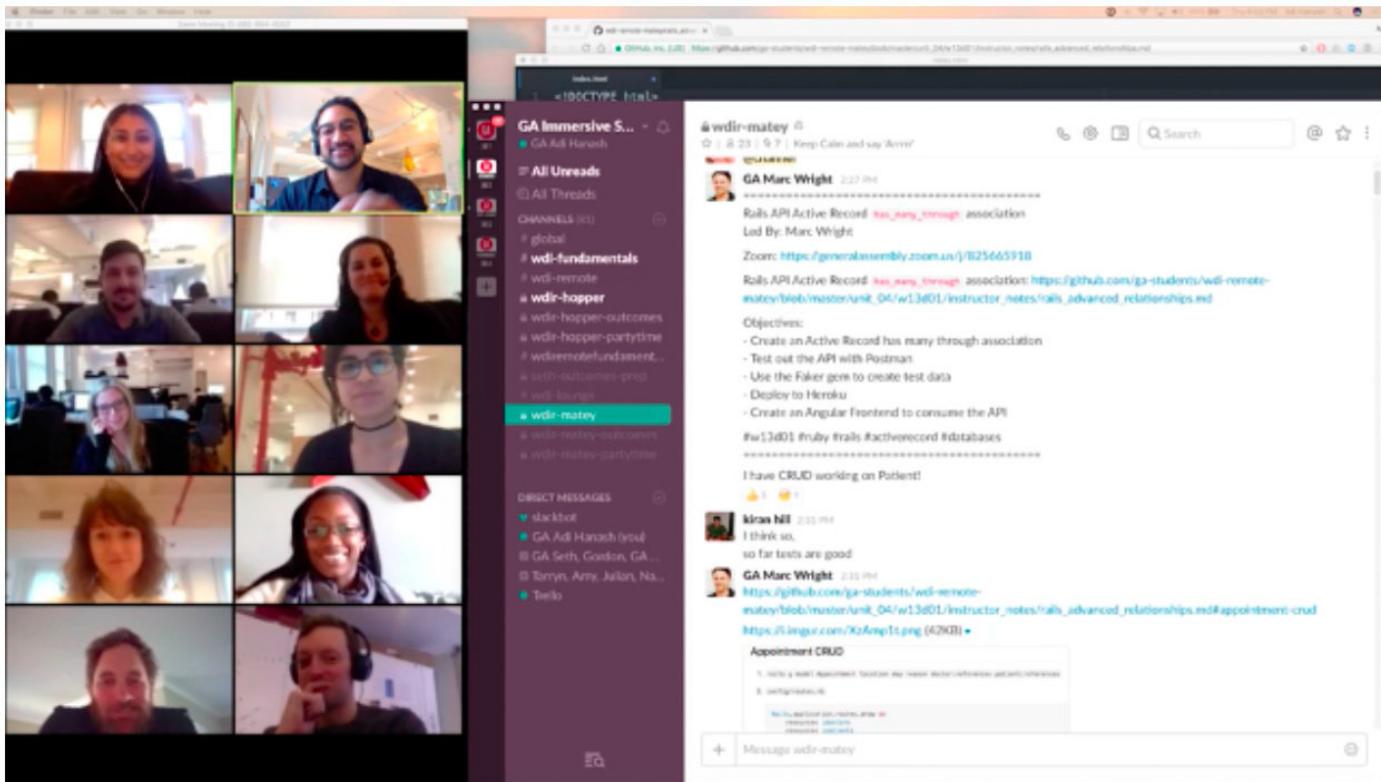
PRIMARY MONITOR:



EXTERNAL MONITOR:



Single-monitor Setup



Help me Help you

Send me a Slack message if...

- You plan to miss a class
- You will be more than 10 minutes late to class
- You need to leave class early
- You will be turning in your homework late
- You are having trouble completing your assignments
- You are struggling with the material
- You would like bonus assignments

Important Class Info

- Homework:
 - Formally introduced **Wednesdays** after class
 - Will have the files posted by Monday, though
 - Due after class on **Mondays @ 11:59pm EST**
- All files will be available via the class **GHE repo**
- Class meets **7 - 10pm EST** every Mon & Wed from April 22nd to July 1st except:
 - Monday, May 27th (Memorial day)



LET'S DO THIS.

Let's Get Started!



HTML Basics

Lesson 1

Learning Objectives

- Differentiate between the roles of HTML, CSS, and Javascript in front-end web development
- Apply & experiment with HTML tags
- Use CSS to add styles to a webpage

Agenda

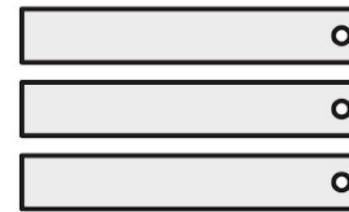
- Front-end vs Back-end
- Intro to Front-end Web Development
- Intro to HTML
- Lab Time

Front-end vs Back-end

World Wide Web



Client

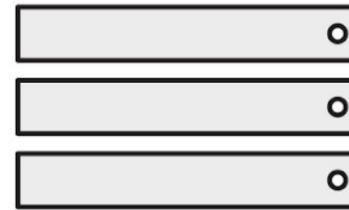


Server

Web Development



Front-end



Back-end

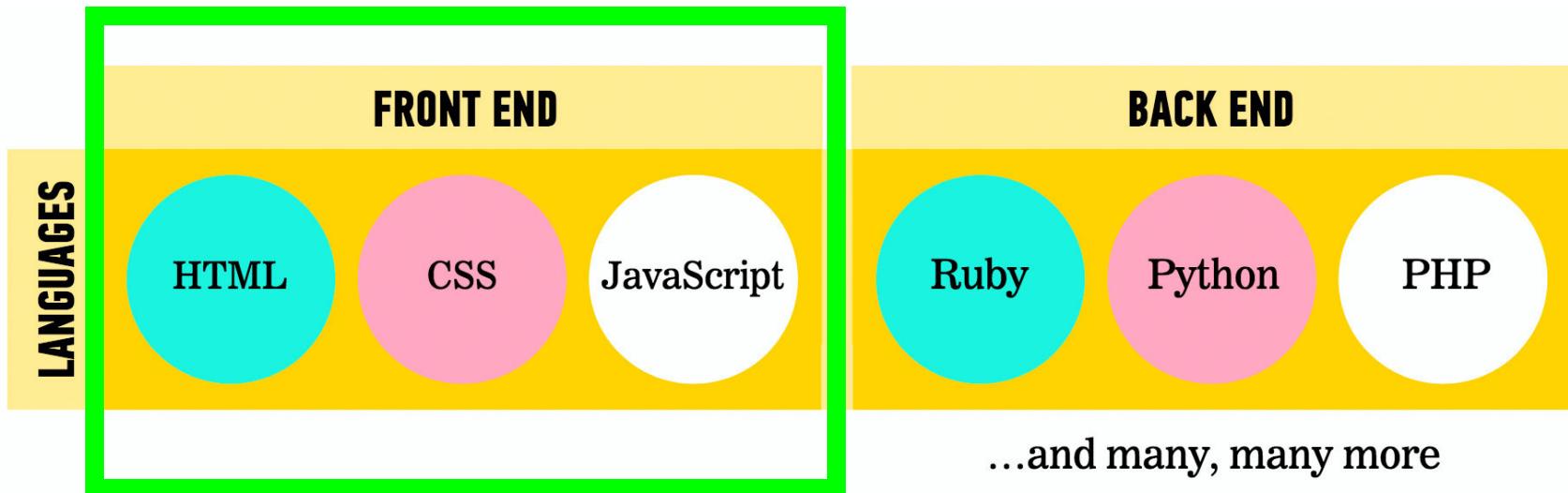
Web Production Workflow: Front-end

- Take a design and turn it into code & assets
- Create the visual interface for the webpage -- everything the user interacts with
- Other responsibilities:
 - accessibility
 - performance
 - cross-browser/cross-device functionality

Web Production Workflow: Back-end

- Give the application/web page a "memory"
- Talk to the database:
 - get data
 - create/update/delete data
- Authenticate users
- And more...

Common Web Languages





Key Objective:

Describe the roles & responsibilities of the front-end developer. How do these differ from the back-end developer? What experiences have you had with front-end/back-end developers?

Timing:

- **1 minute** - Discuss with a partner in a breakout room
- **3 minutes** - Share your response with the class

Bonus:

Come up with an analogy to share!



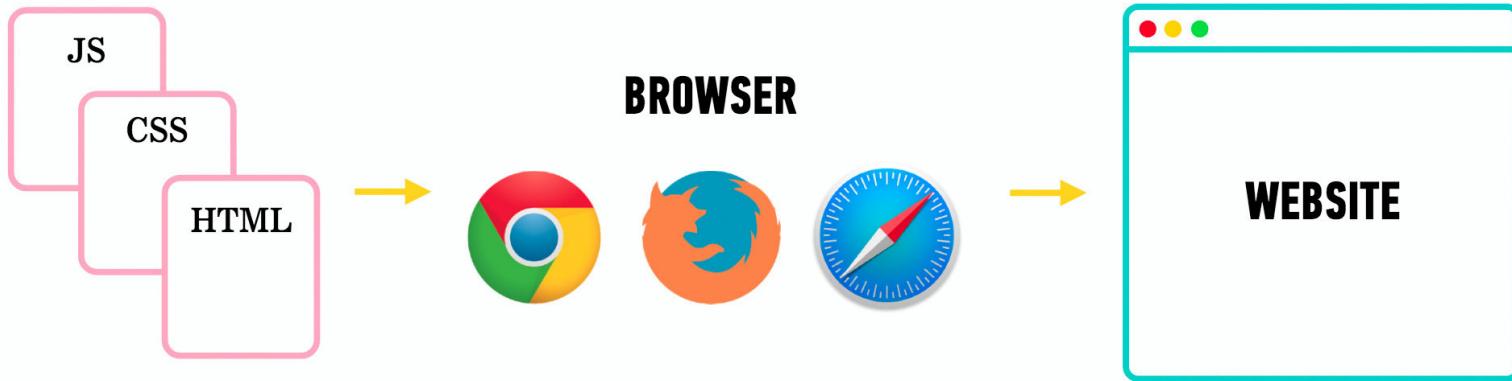
COFFEE TIME!

Break time!

Intro to Front-end

What is a website?

Websites



- Browsers are applications that read code files and use them to render a web page
- Browsers only know how to interpret HTML, CSS, and JavaScript

HTML, CSS & JavaScript

The 3 Amigos!

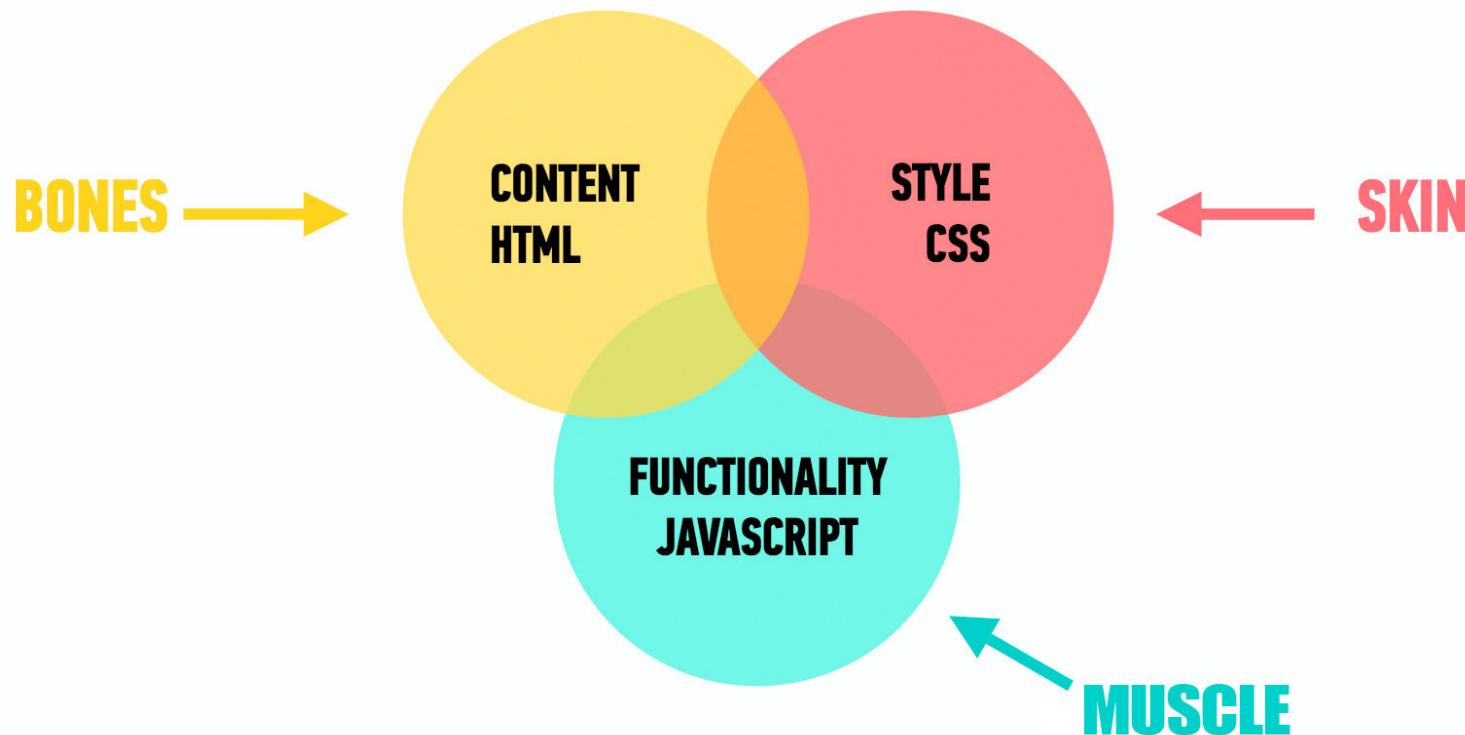
HTML

CSS

JavaScript



Structure, Style, Behavior





Directions:

1. Visit [Uber.com](#)
2. The words "Move the way you want" appear due to _____?
3. The reason these words are black is due to _____?
4. Hover over the words "Sign up to drive" on the page. That animation is most likely due to _____?
5. Click the "Sign Up" link in the nav menu; this animation is most likely due to _____?

Intro to HTML

What is HTML?

HyperText Markup Language

- HTML stands for **HyperText Markup Language**
- It gives your content **structure**
- HTML is written using **tags** (aka **elements**) that are wrapped in angle brackets: < >

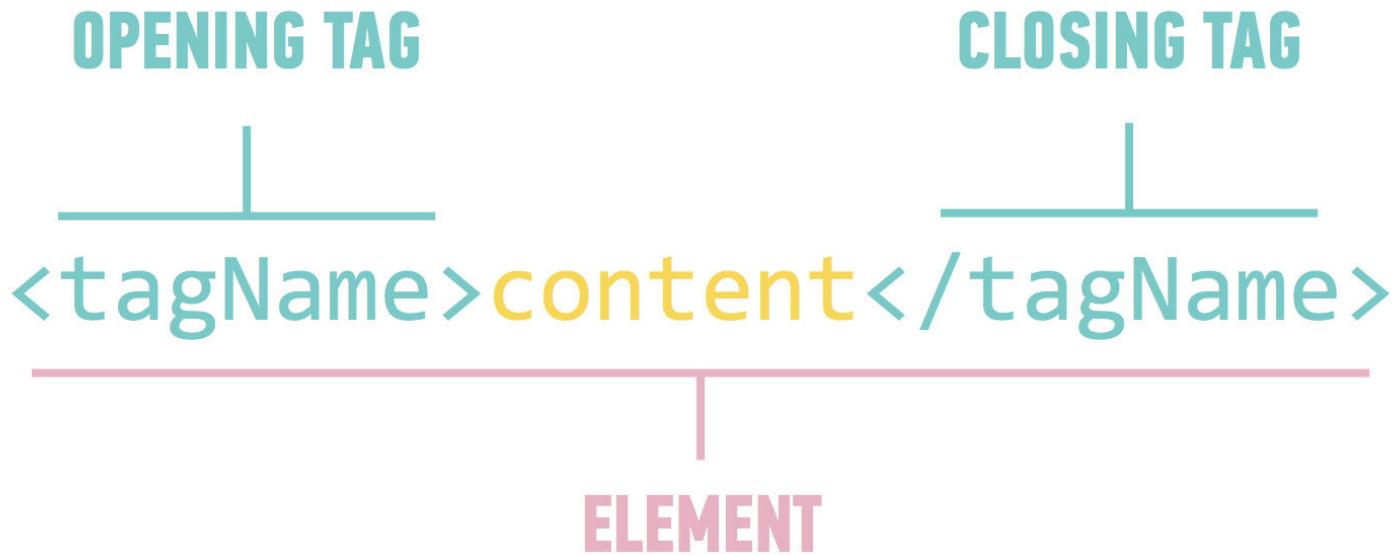
HTML Syntax



Code Along

Open: [Intro to Coding CodePen](#)

HTML Elements



Headings and paragraph text

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>

Example: HTML paragraph

<p>

This is a paragraph. Usually, these are used for blocks of text that have two or more sentences.

</p>

Example: HTML headings

```
<h1>Most important HEADING</h1>
<h2>Second Most Important Heading</h2>
<h3> Third Most Important Heading</h3>
<h4> Fourth Most Important Heading</h4>
<h5> Fifth Most Important Heading</h5>
<h6>Least Important Heading</h6>
```

Unordered Lists

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

Example: HTML unordered list

Elements can be nested inside of other elements:

```
<ul>
    <li>Monday</li>
    <li>Tuesday</li>
    <li>Wednesday</li>
</ul>
```

HTML Attributes

```
<pizza crust="thin" toppings="pepperoni"></pizza>
```

Anchor Links

```
<a href="">Amazon</a>
```

CLICKABLE TEXT

Anchor Links (continued)

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

PAGE THE LINK TAKES
YOU TO

Image

```

```

PATH TO IMAGE FILE INCLUDING HTTP OR HTTPS

TEXT DESCRIPTION



Lab - Part 1

Open: [My First Website CodePen](#)

Directions:

1. Add **HTML** to structure the text in the CodePen
2. Use the image on the next slide as a guide...

Timing:

- **10 minutes** - write HTML in CodePen
- **5 minutes** - Discuss as a class

Bonus:

- Google **hr** element
- Incorporate it in your page

My First Website

HTML and CSS Rule!



Developer's Creed

Repeat this three times each night before you go to sleep.

"This is my website. There are many like it, but this one is mine. My website is my best friend. It is my life. I must master it as I must master my life. Without me my website is useless. Without my website I am useless."

Steps to create a basic webpage:

1. Add structure using HTML
2. Add styles using CSS

This site was built using:

- HTML
- CSS

[Facebook](#) | [Twitter](#) | [Instagram](#)

Made with ❤ at General Assembly

Adding CSS

What is CSS?

Cascading Style Sheets

- CSS stands for **Cascading Style Sheets**
- It allows you to **style** your content

CSS Syntax

What we are styling
(selector)

→ p {
 color: blue;
 font-size: 20px;
 font-style: italic;
}

Styles!

CSS Color properties

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

Example: body styles

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

Examples: typeface properties

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;
letter-spacing	px value	letter-spacing: 1px;

Examples: typeface properties (cont'd)

`letter-spacing: 1px;`

MY FIRST WEBSITE

HTML and CSS Rule!

Examples: typeface properties (cont'd)

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

Examples: font-size



Examples: font-family

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



Lab - Part 2

Open: [My First Website CodePen](#)

Stuck? Google it!

You **will** get lots of errors...

Google first, ask questions later (but don't be afraid to ask).

REMEMBER: include language -- "**HTML**" or "**CSS**" -- in your search query.

Resources

- Mozilla Developer Network (MDN)
- W3Schools
- CSS-Tricks

Directions:

1. Add CSS to your CodePen
2. Choose between [regular](#) or [advanced](#) design mockup

Timing:

- **20 minutes**

Notes:

- Google anything you cannot figure out, and remember to include "html" or "css" in your search query

MY FIRST WEBSITE

HTML and CSS Rule!



DEVELOPER'S CREED

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STEPS TO CREATE A BASIC WEBPAGE:

1. Add structure using HTML
2. Add styles using CSS

THIS SITE WAS BUILT USING:

- HTML
- CSS

[Facebook](#) | [Twitter](#) | [Instagram](#)

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Basic CSS

BODY: BACKGROUND COLOR - #98D2BF
COLOR - #0D2C40

TEXT TRANSFORM - UPPERCASE
TEXT ALIGN - CENTER
FONT SIZE - 40PX
LETTER SPACING - 1PX
FONT FAMILY - "RALEWAY"

MY FIRST WEBSITE

HTML and CSS Rule!



FONT FAMILY - "RALEWAY"
TEXT ALIGN - CENTER
FONT SIZE - 25PX

TO CENTER IMAGE:
display: block;
margin: 0 auto;

FONT FAMILY - "RALEWAY"
TEXT TRANSFORM - UPPERCASE
LETTER SPACING - .5PX
FONT SIZE - 20PX

DEVELOPER'S CREED

Repeat this three times each night before you go to sleep.

"This is my website. There are many like it, but this one is mine. My website is my best friend. It is my life. I must master it as I must master my life. Without me my website is useless. Without my website I am useless."

FONT FAMILY - "LATO"
FONT SIZE - 17PX

STEPS TO CREATE A BASIC WEBPAGE:

FONT FAMILY - "LATO"

1. Add structure using HTML
2. Add styles using CSS

THIS SITE WAS BUILT USING:

- HTML
- CSS

[Facebook](#) | [Twitter](#) | [Instagram](#)

TEXT DECORATION - NONE
FONT WEIGHT - BOLD
COLOR - #F15B31

Made with ❤ at General Assembly

Advanced CSS

BACKGROUND COLOR - #9802BF
COLOR - #0D2C40
PADDING TOP - 20PX
PADDING RIGHT - 60PX
PADDING LEFT - 60PX

BODY:

TEXT TRANSFORM - UPPERCASE
TEXT ALIGN - CENTER
FONT SIZE - 40PX
LETTER SPACING - 1PX
FONT FAMILY - "RALEWAY"

LOOK UP HR ELEMENT
BORDER - 0
BORDER BOTTOM - 2PX SOLID #0D2C40
MARGIN TOP - 30PX
MARGIN BOTTOM - 30PX

HTML and CSS Rule!

MY FIRST WEBSITE

FONT FAMILY - "RALEWAY"
TEXT ALIGN - CENTER
FONT SIZE - 25PX

TO CENTER IMAGE:
display: block;
margin: 0 auto;

DEVELOPER'S CREED

Repeat this three times each night before you go to sleep.

"This is my website. There are many like it, but this one is mine. My website is my best friend. It is my life. I must master it as I must master my life. Without me my website is useless. Without my website I am useless."

STEPS TO CREATE A BASIC WEBPAGE:

1. Add structure using HTML
2. Add styles using CSS

THIS SITE WAS BUILT USING:

• HTML
• CSS

LOOK UP FOOTER ELEMENT
TEXT ALIGN - CENTER
PADDING - 20PX

Facebook | Twitter | Instagram

Made with ❤ at General Assembly

TEXT DECORATION - NONE
FONT WEIGHT - BOLD
COLOR - #F15B31

Exit Tickets

Take 5-10 minutes to give us some
(Link is in Slack Room)

Learning Objectives Review

- We differentiated between the roles of HTML, CSS, and Javascript in front-end web development
- We applied & experiment with HTML tags
- We used CSS to add styles to a webpage

Next Class...

Lesson 2 - CSS Basics