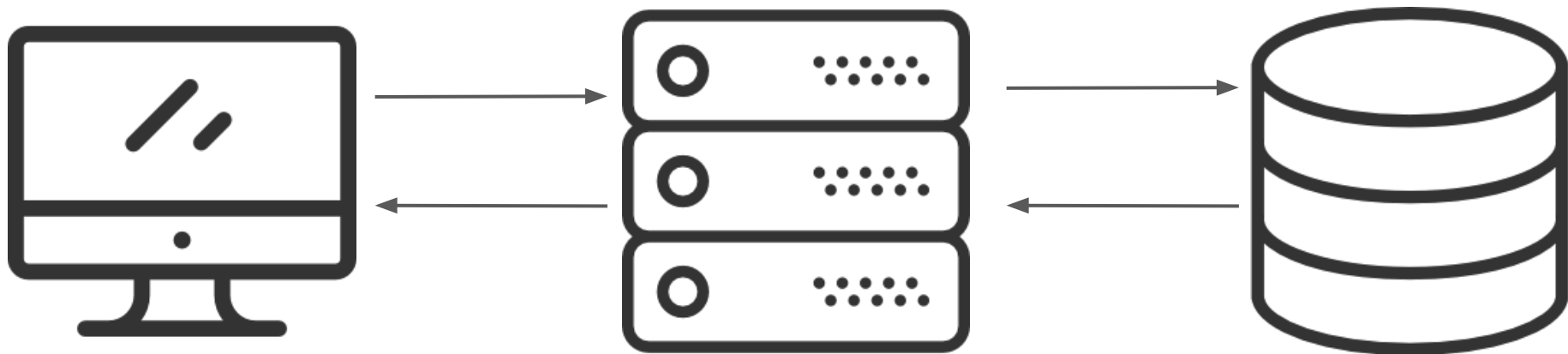




By the end of this class, you will be able to:

- ☐ Articulate the structure and expectations from the course
- ☐ Navigate your computer from your terminal
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- ☐ Create static web pages using HTML
- ☐ Add basic styling with CSS

FULL-STACK



WHAT WE'LL LEARN



WEBSITE BASICS

HTML, CSS, JavaScript,
and jQuery



DATABASES

SQL and Mongo



SERVERS

Node.js and Express

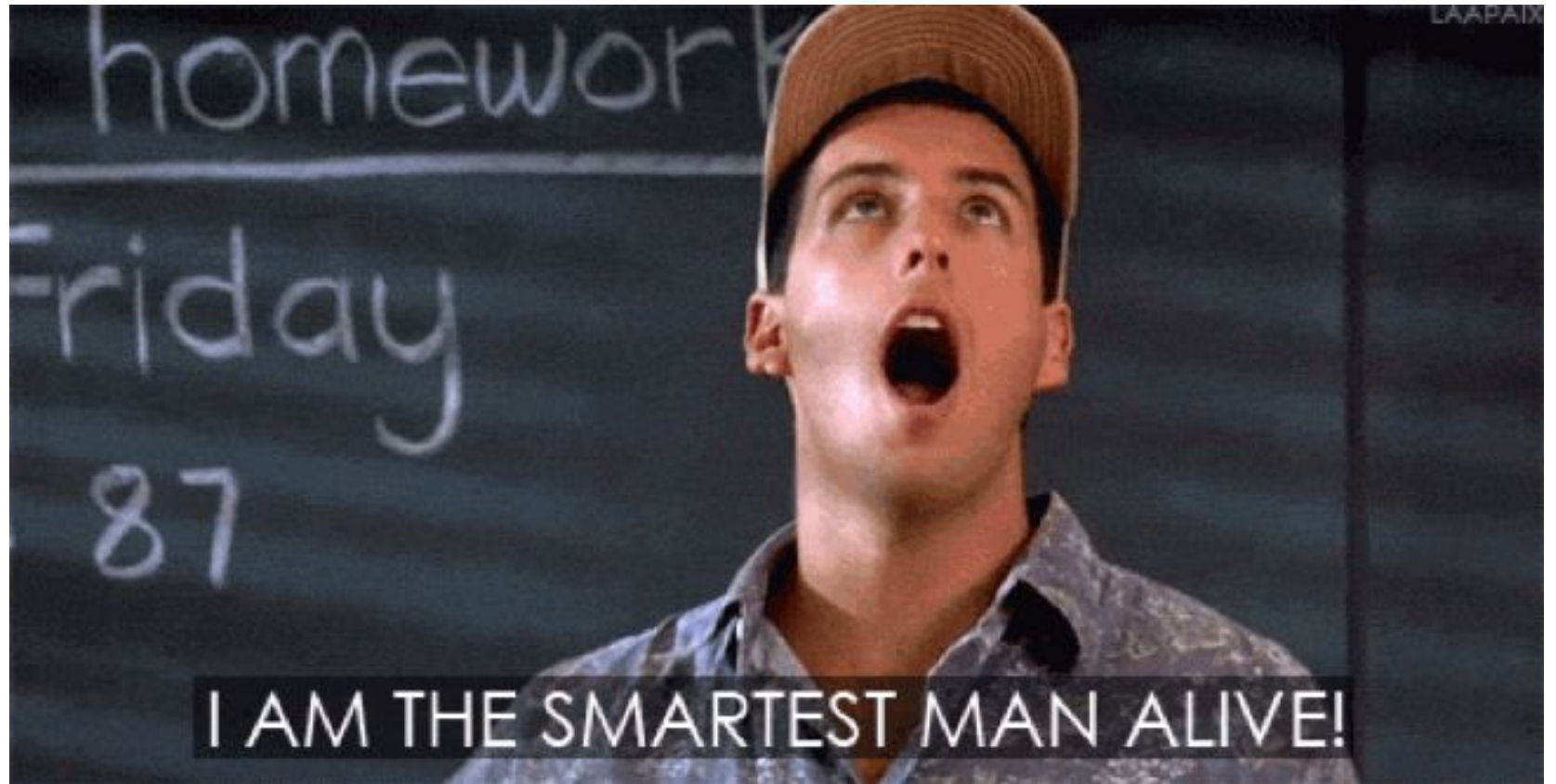


REACT

Advanced Front-end
Framework

Nothing Good Comes Easy

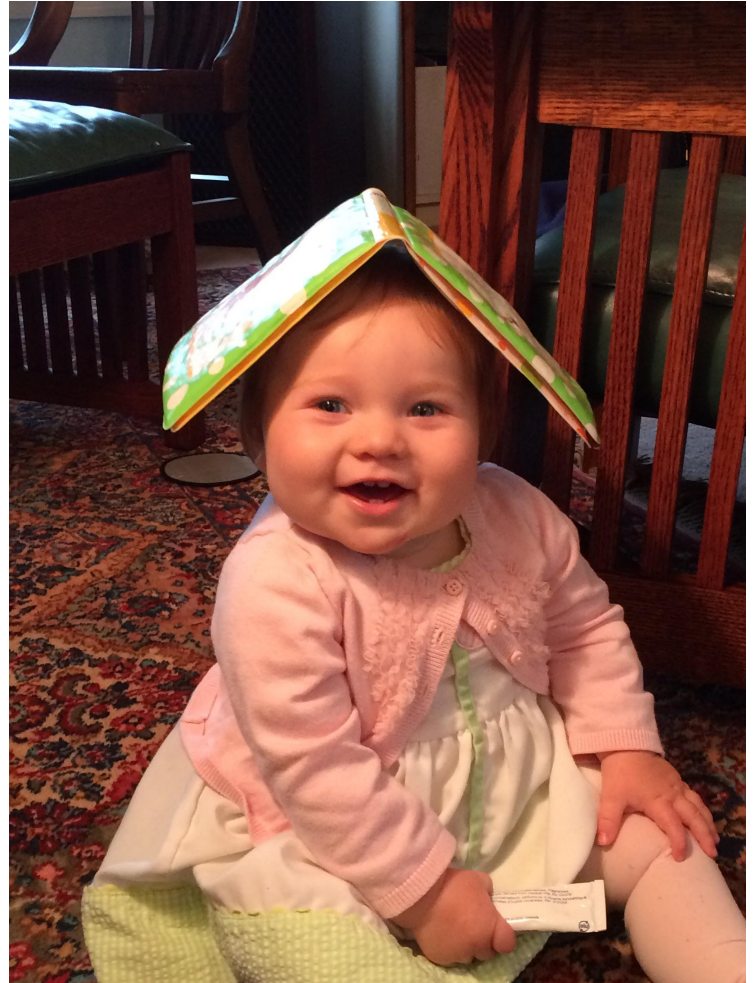
Meet Dave...





Don't be like Dave

Be like Esther...



HOW TO SUCCEED

This class will be tough. You won't succeed by accident. You need to be deliberate in forming good habits early. There are three keys that have lead to success across many cohorts...

Work as a

TEAM

Form study groups. Use the homework help slack channel.
Help each other out.

Be Proactive in Seeking

HELP

If you're lost make a study group. Come to office hours.
Get a tutor. Ask for help.

Embrace the

STRUGGLE

Know that this will be hard.
You will struggle. It's expected and it's okay.

OBSTACLES

0
1



THE GREAT CONFUSION

This will be tough. You will struggle to find the errors in your code. Frustration is where the learning takes place.

THE GREAT DOUBT

You will doubt your ability. You will feel behind and lost. Trust that you made it into this class for a reason.

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3



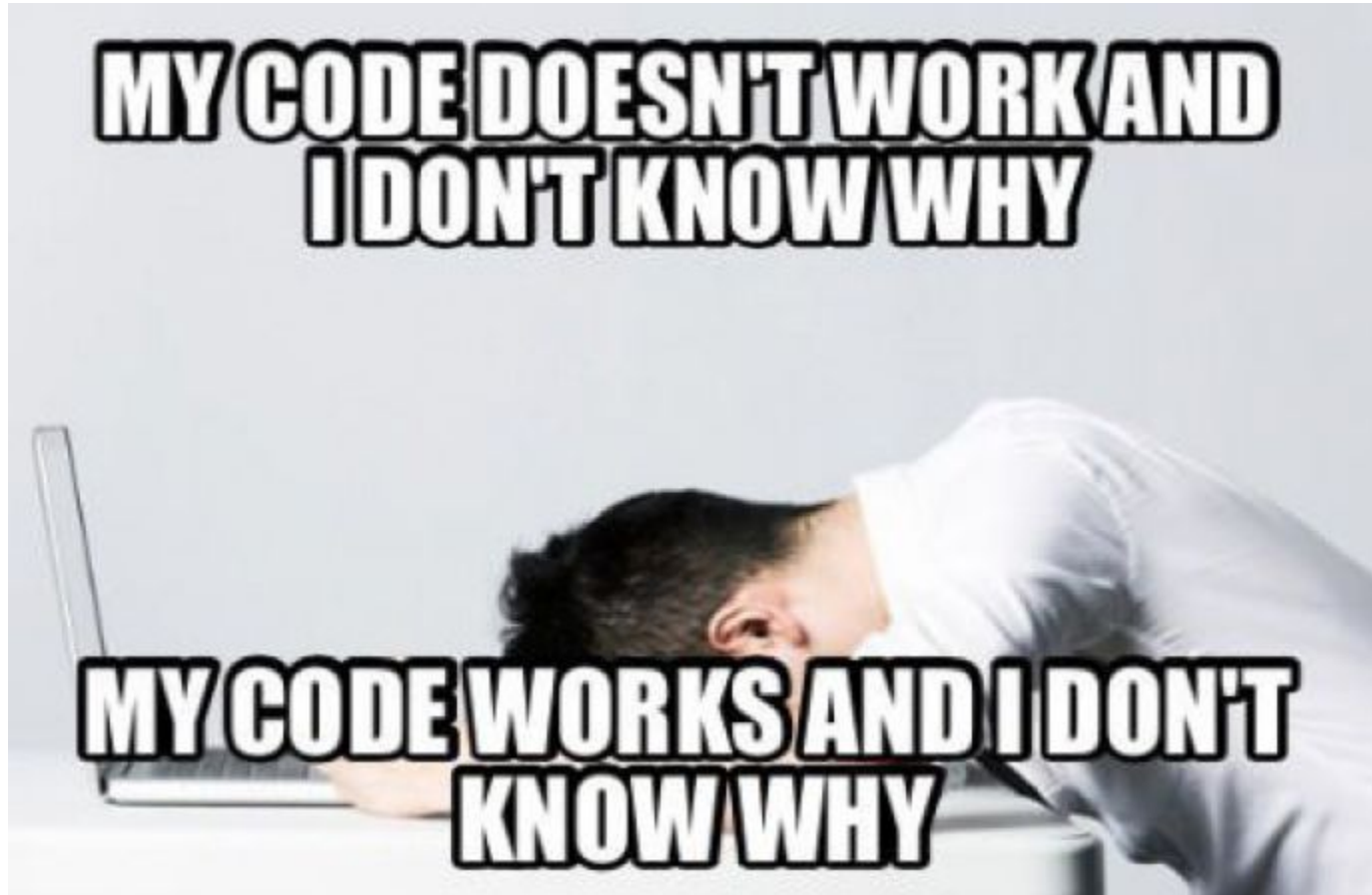
THE LONG ROAD

Things will happen in your personal life during the next 3 months that will distract from your work. These are the times to buckle down and show your grit.

0
2



The Great Confusion



The Great Doubt




The Great Distance





Learning code requires two things:

1. Persisting in the face of something that feels incredibly hard and confusing.
2. Maintaining the self-confidence necessary to believe that you CAN DO THIS.



“You can’t tell whether you’re learning something when you’re learning it — in fact, learning feels a lot more like frustration.”

– Jeff Dickey



*“Failure is growth, growth is learning.
Embrace it.”*

– Rob Conery. The Imposter's Handbook



*“Success is not final, failure is not fatal:
it is the courage to continue that counts.”*



Expectations

1. You already have rich life experience – lean on your existing skills/strengths!
2. Give it your all, put in the time!
3. You can do anything for three months!
4. Homeworks and assessments
5. Attendance
6. Communication



Tips for Success

1. Work in groups
2. Find community – in and out of class
3. Focus on finding your own study strategies
4. Start a work journal
5. Focus on where you're weakest– hammer it hard
6. Sign up for Pocket



DOCUMENTATION FU

INSTALL CHECKLIST

Let's check to make sure we're ready to roll!

- Chrome

INSTALL CHECKLIST

Let's check to make sure we're ready to roll!

- Chrome
- GitHub

INSTALL CHECKLIST

Let's check to make sure we're ready to roll!

- Chrome
- GitHub
- Bootcamp Spot

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Let's check to make sure we're ready to roll!

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- GitBash/Terminal

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- VS Code

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- GitBash/Terminal
- Git
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- Slack



OBJECTIVES

By the end of this class, you will be able to:



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Add basic styling with CSS

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16
23
30

TERMINAL



TERMINAL COMMANDS

cd (changes directory)

cd ~ (changes to home directory)

cd .. (moves up one directory)

ls (lists files in folder)

pwd (shows current directory)

mkdir <FOLDERNAME> (creates new directory)

touch <FILENAME> (creates a file)

open . (opens the current folder. MAC SPECIFIC) OR

explorer . (opens the specific file. WINDOWS SPECIFIC)



EVERYONE DO

Using the Terminal

A woman and a man are looking at a laptop screen in a classroom setting. The woman is pointing at the screen, and the man is looking at it. The screen displays a code editor with a dark background and colorful syntax highlighting. The background shows other students at their desks, some working on laptops.

PARTNER DO

01 Terminal

The background image shows a classroom setting. On the left, a person wearing a red and blue plaid shirt is gesturing with their hands. In the center, a white rectangular box with a thin blue border contains the text 'INSTRUCTOR DO' and 'Review'. To the right, a laptop is open on a wooden desk, displaying a colorful interface. In front of the laptop, an open notebook and a black smartphone are visible. The background is slightly blurred, showing other people in the room.

INSTRUCTOR DO

Review



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GITHUB



GITHUB BASICS

1. Create a new repository.
2. Copy the link.
3. Navigate into the directory you want the repo to live in.
4. Clone the repo (git clone <url>).
5. Change directory into the new folder.
6. Add a file.
7. Stage changes (git add -A).
8. Commit changes (git commit -m “”).
9. Push changes
(git push origin master).

A photograph of a group of people sitting around a wooden table in a cafe or office setting, working on laptops. The scene is dimly lit with warm tones. In the foreground, a person with long dark hair is seen from the back, typing on a laptop. To their right, another person is partially visible, also working. In the background, a man in a grey t-shirt is looking towards the camera, and another person is partially visible behind him. A water bottle and a glass are on the table. A white rectangular box with a thin blue border is overlaid in the center, containing the text 'EVERYONE DO' and 'GitHub'.

EVERYONE DO

GitHub

A woman and a man are looking at a laptop screen in a workshop setting. The woman is pointing at the screen, and the man is looking at it. The background shows other people working at desks.

PARTNER DO

02 Github

The background image shows a classroom setting. On the left, a person wearing a red and blue plaid shirt is gesturing with their hands. In the center, a white rectangular box with a thin blue border contains the text 'INSTRUCTOR DO' and 'Review'. To the right, a laptop is open on a wooden desk, displaying a colorful interface. In front of the laptop, an open notebook and a black smartphone are visible. The background is slightly blurred, showing other people in the room.

INSTRUCTOR DO

Review



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INTRO TO HTML



HTML

HTML is used to make every website.

HTML is the language that determines what appears on webpages.

HTML is made up of opening and closing tags.

HTML

<p> Some text here. </p>

HTML


`<p> Some text here. </p>`

↑
Opening tag

HTML

<p> Some text here. </p>

Content



HTML

<p> Some text here. </p>

Closing Tag



HTML

A couple more things of note:

1. A few tags are self-closing.
2. HTML elements can have attributes.

Attributes provide additional info about an element. They come in name/value pairs: name = “value”

HTML

```

```


HTML

```

```

Self-closing tag



HTML

```

```

Attribute



A person wearing a red and blue plaid shirt is gesturing with their hands in a classroom or workshop setting. In the foreground, a laptop and an open notebook with a smartphone resting on it are visible on a wooden desk. The background is slightly blurred, showing other people in a similar setting.

INSTRUCTOR DO

Intro to HTML

A woman and a man are looking at a laptop screen in a classroom setting. The woman is pointing at the screen with her right hand. The laptop screen displays a list of items, possibly a curriculum or a list of resources. The background shows other students at their desks, some of whom are also looking at their laptops. The overall atmosphere is one of focused learning and collaboration.

PARTNER DO

03 Bio

The background image shows a classroom setting. On the left, a person wearing a red and blue plaid shirt is gesturing with their hands. In the center, a white rectangular box with a thin blue border contains the text 'INSTRUCTOR DO' and 'Review'. To the right, a laptop is open on a wooden desk, displaying a colorful interface. In front of the laptop, an open notebook and a black smartphone are visible. The overall scene is slightly blurred, focusing attention on the text overlay.

INSTRUCTOR DO

Review



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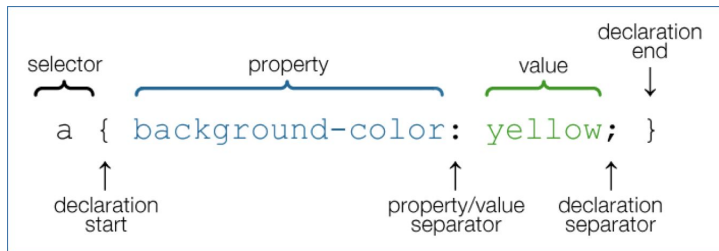
Intro to CSS





INSTRUCTOR DO

Intro to CSS



CSS Syntax

CSS works by hooking onto selectors added into HTML using classes and identifiers.

Once hooked, we apply styles to those HTML elements using CSS.

Frequently Used CSS Attributes

Font / Color:

color: Sets color of text.

font-size: Sets size of the font.

font-style: Sets italics.

font-weight: Sets bold.

Background:

background-color: sets background color.

background-image: sets background image.

Alignment / Spacing:

padding (top/right/bottom/left): Adds space between element and its own border.

margin (top/right/bottom/left): Adds space between element and surrounding elements.

float: Forces elements to the sides, centers, or tops.

A woman and a man are looking at a laptop screen in a coding environment. The woman is pointing at the screen, and the man is looking at it. The background shows other people working at desks with laptops.

PARTNER DO

05 CSS

The background image shows a classroom setting. On the left, a person wearing a red and blue plaid shirt is gesturing with their hands. In the center, a white rectangular box with a thin blue border contains the text 'INSTRUCTOR DO' and 'Review'. To the right, a laptop is open on a wooden desk, displaying a colorful interface. In front of the laptop, an open notebook and a black smartphone are visible. The overall scene is slightly blurred, focusing attention on the text overlay.

INSTRUCTOR DO

Review



INSTRUCTOR DO

CSS Specificity



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“The difference between ordinary and extraordinary is that little extra.”

Jimmy Johnson