The Zen of Coding

Bootcamp Day 1

Introductions

- Your name
- What brought you here
- A fun fact about yourself

var instructor = “@hannahpatellis”

- Hi! I’m Hannah Patellis
- Service Designer with concentrations in Industrial and User Experience Design
- Software Developer + IT Systems Engineer at Smoke Cartel
- Over 10 years coding (with plenty of experience being a n00b at it all!)
- From Merritt Island, Florida (where the shuttle used to launch)
- Proud cat and dog mama
- Lover of retro technology, adventure, and savory food

The Path of Learning

As instructors,
we take your goals very, very seriously.

Support team

Our promise

If you're willing to put in the time – and you take our advice,

we're here to help you 100% of the way.

This goes for everyone working behind the program:

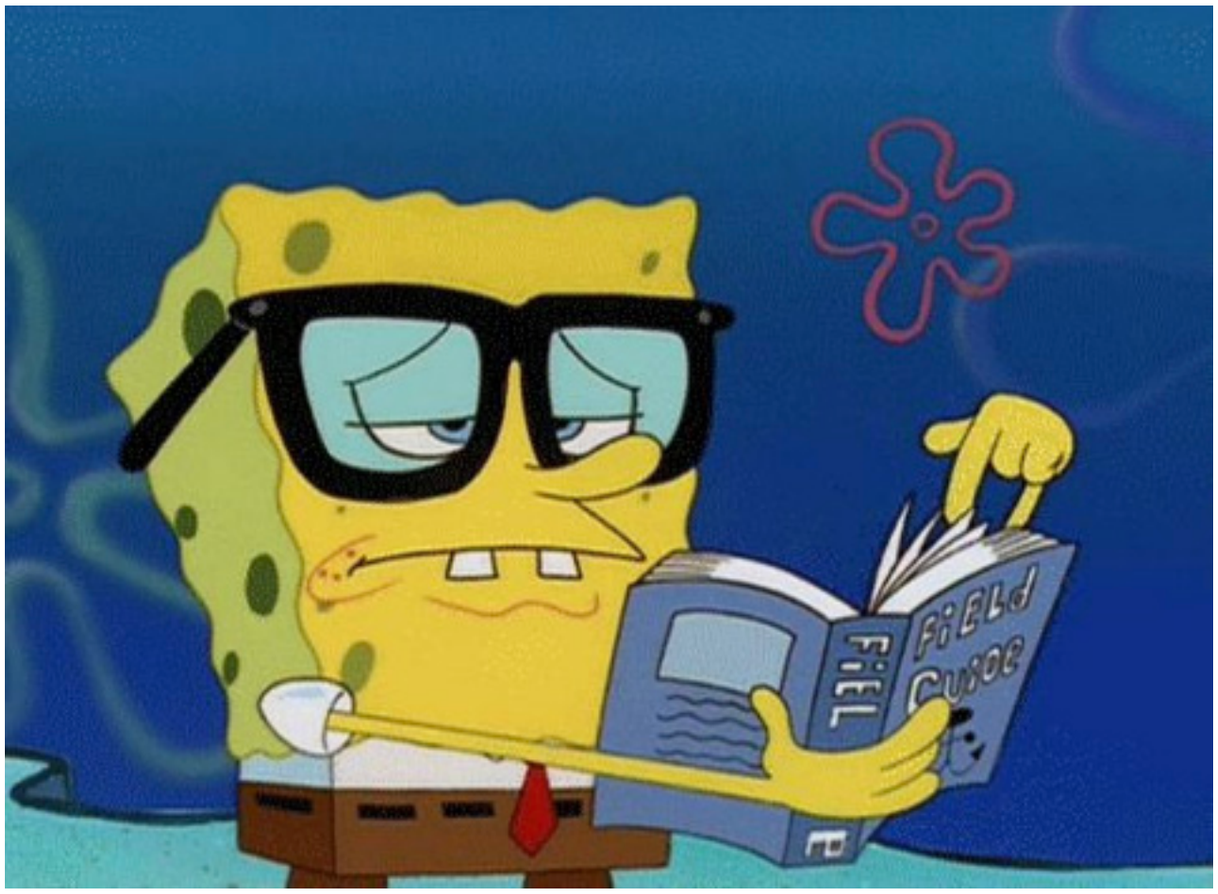
- Instructors
- TAs
- Student Success Team
- Career Coaches
- Everyone Else!

But remember

Nothing good comes easy

Keys to Success

Don’t be this guy

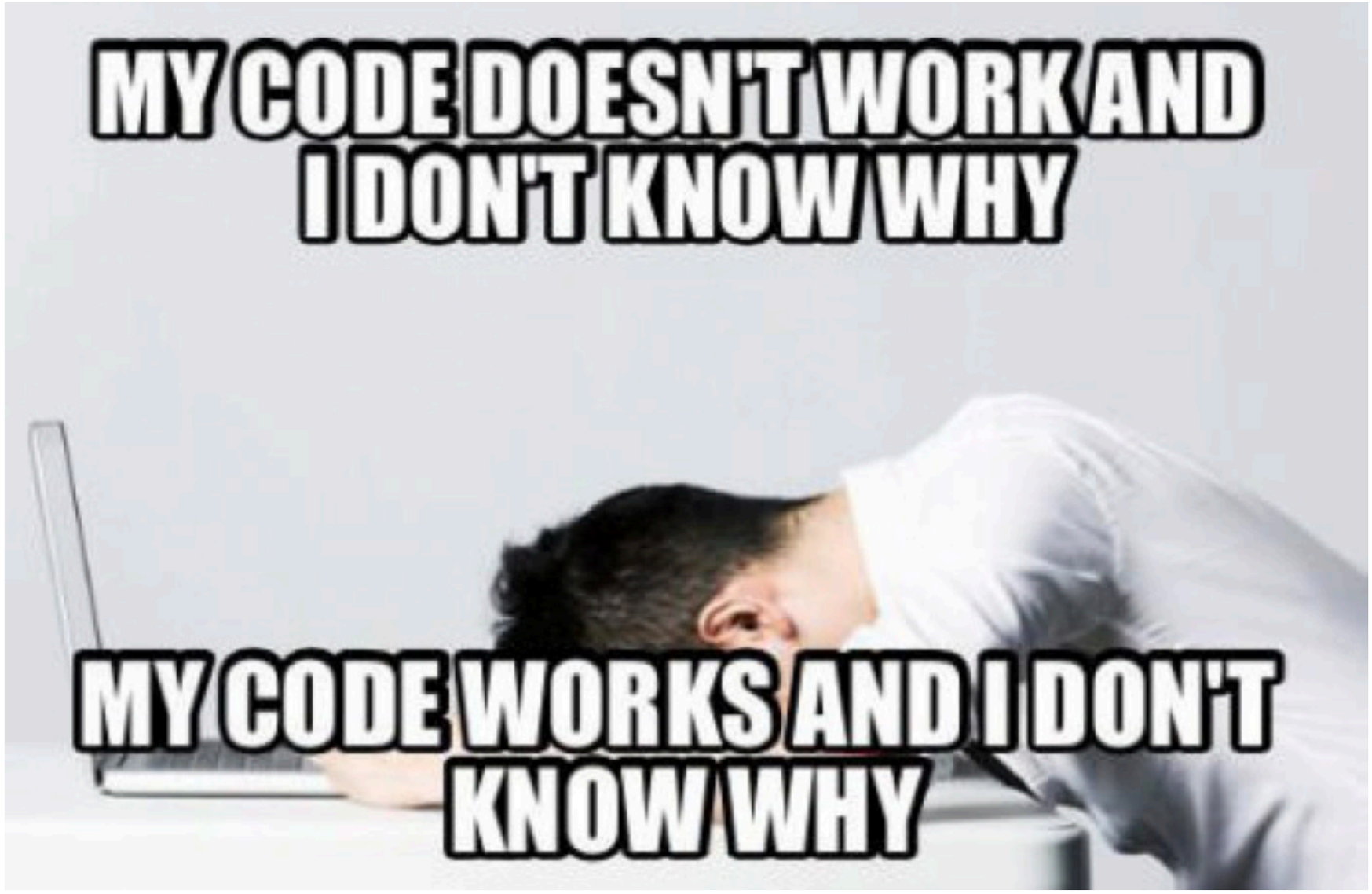


Be this (little) guy

Nothing good comes easy

As students, you’re going to face three huge obsticals

Obstacle #1 - The Great Confusion



Obstacle #2 - The Great Doubt

Obstacle #3 - The Great Distance

Nothing comes easy

Learning to code requires two things

- Persisting in the face of something that feels incredibly hard and confusing.
- Maintaining the self-confidence necessary to believe that you **can** do this.

Advice for the journey

Remember to

- Work hard

Advice for the journey

Remember to

- Work hard
- Appreciate your successes

Advice for the journey

Remember to

- Work hard
- Appreciate your successes
- Trust yourself

But remember

If you want to go fast, go alone.
If you want to go far, go in a team.

Google-Fu: The most important skill

What is Google-Fu?

Course Structure

Daily schedule

For each class we'll run through the following

- Set Objectives
- Brief Background Lecture
- Watch Me / Coding Demos
- Code Discussions / Family Code
- In-Class Exercises
- Project Work

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The important stuff!
Always be coding!

Pre-Work

Software checklist

For today we need to have the following installed

- Slack
- Visual Studio Code
- Git for Version Control
- Git Bash (Windows) or Terminal (Mac)
- Google Chrome

Let’s take a bit to make sure everyone is good to go

Accounts checklist

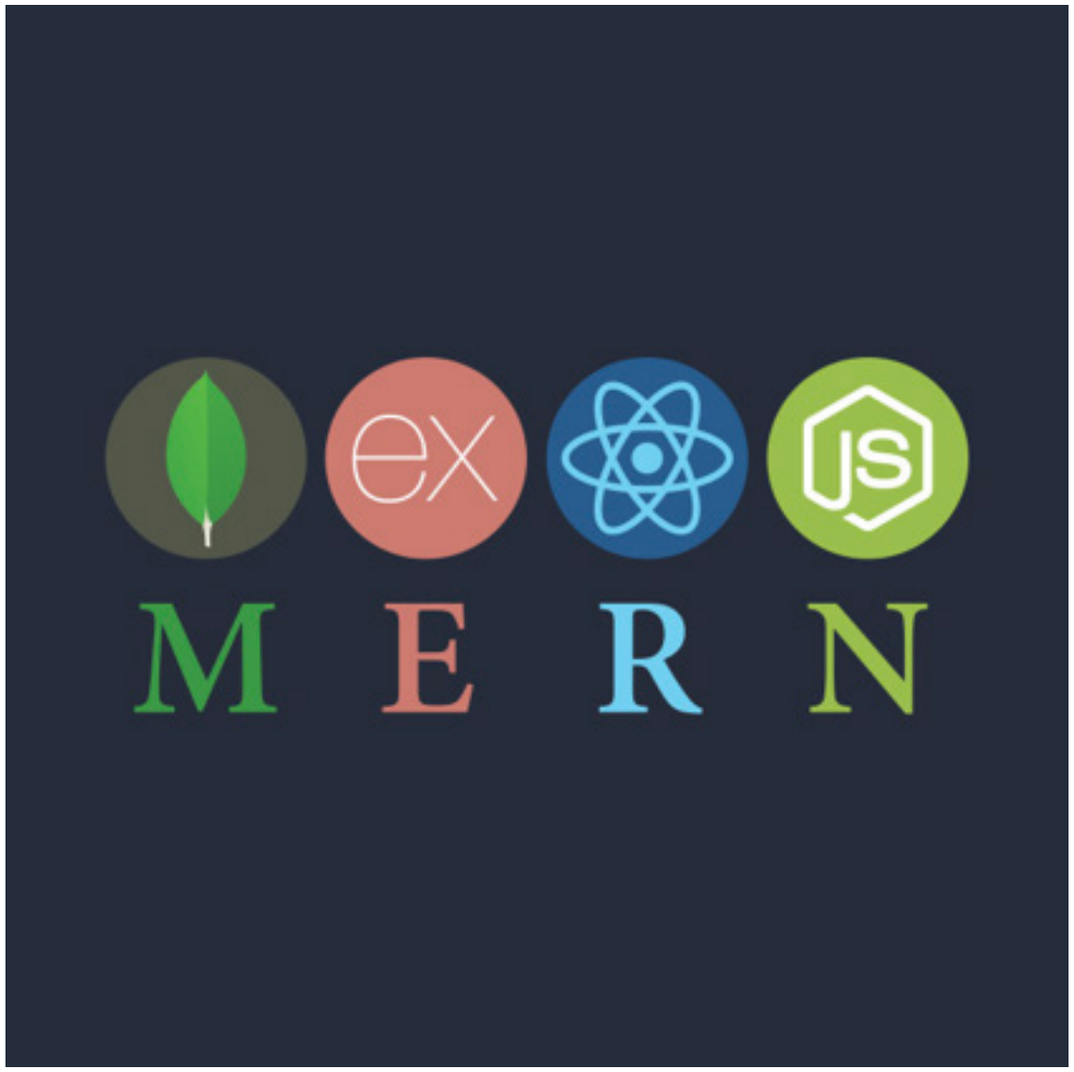
You should have the following accounts ready

- Slack
- GitHub
- GitLab
- Bootcamp Spot
- Stack Overflow

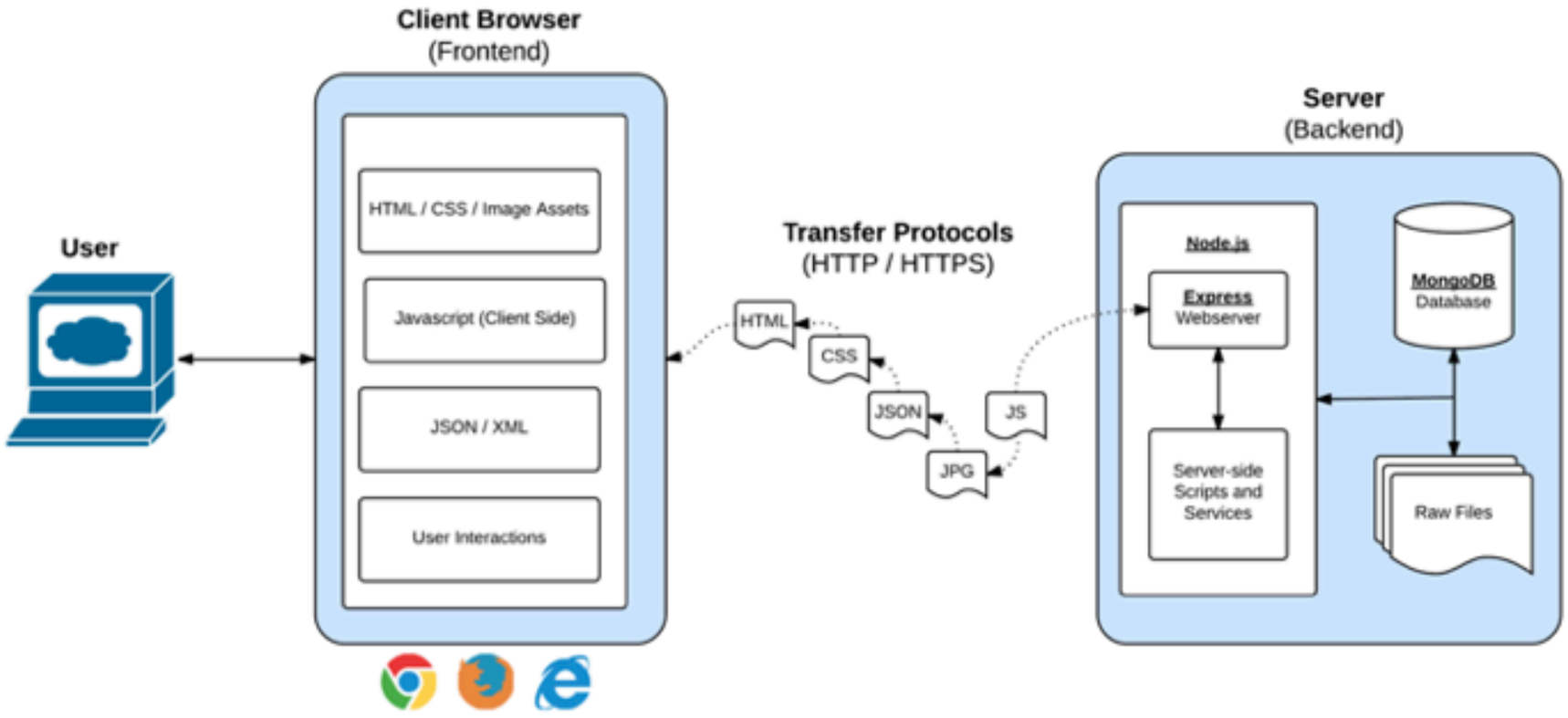
Let’s take a bit to make sure everyone is good to go

The Modern Web

Full-Stack Development?

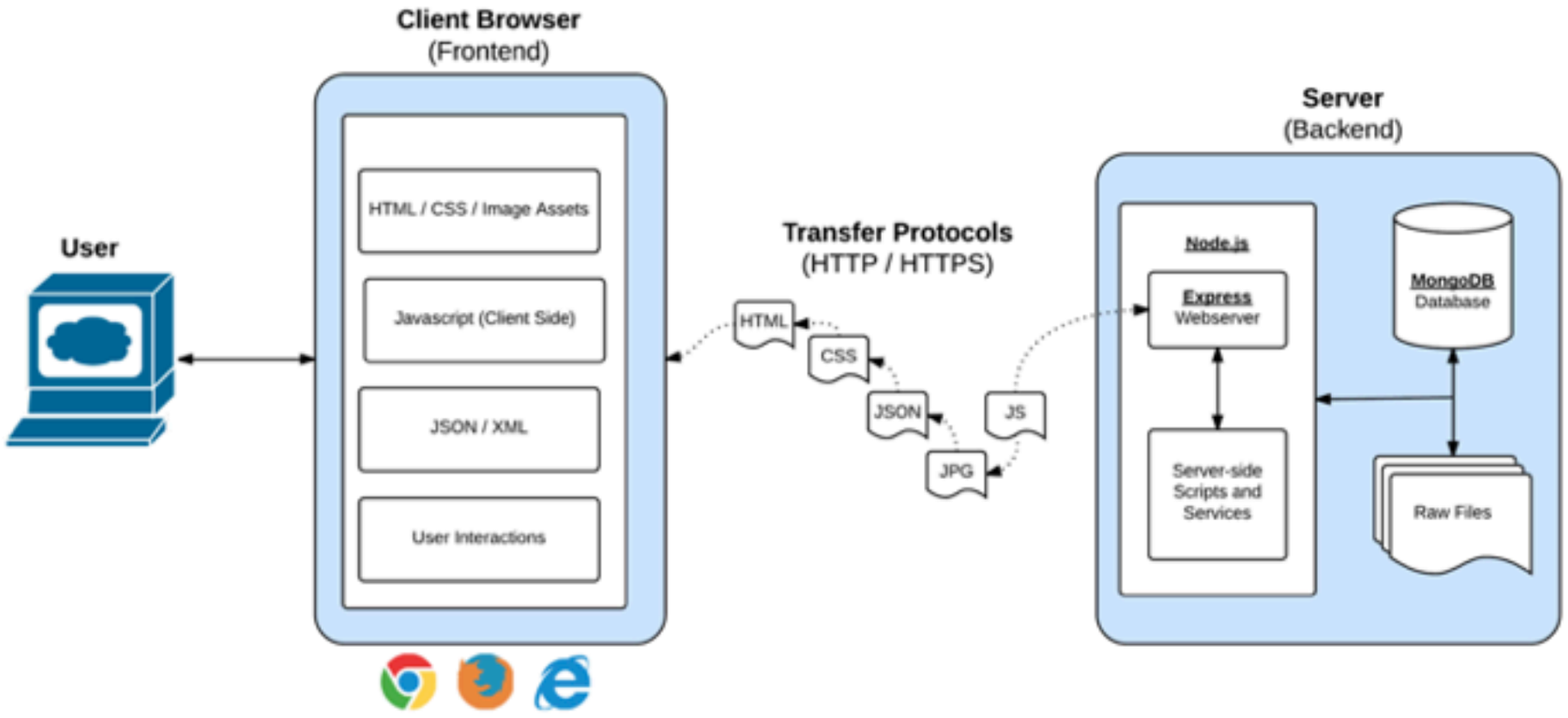


Full-Stack Development



In modern web apps, there's a constant back-and-forth communication between two key components: the visuals displayed on the user's browser (**frontend**) and the data and logic stored on the server (**backend**).

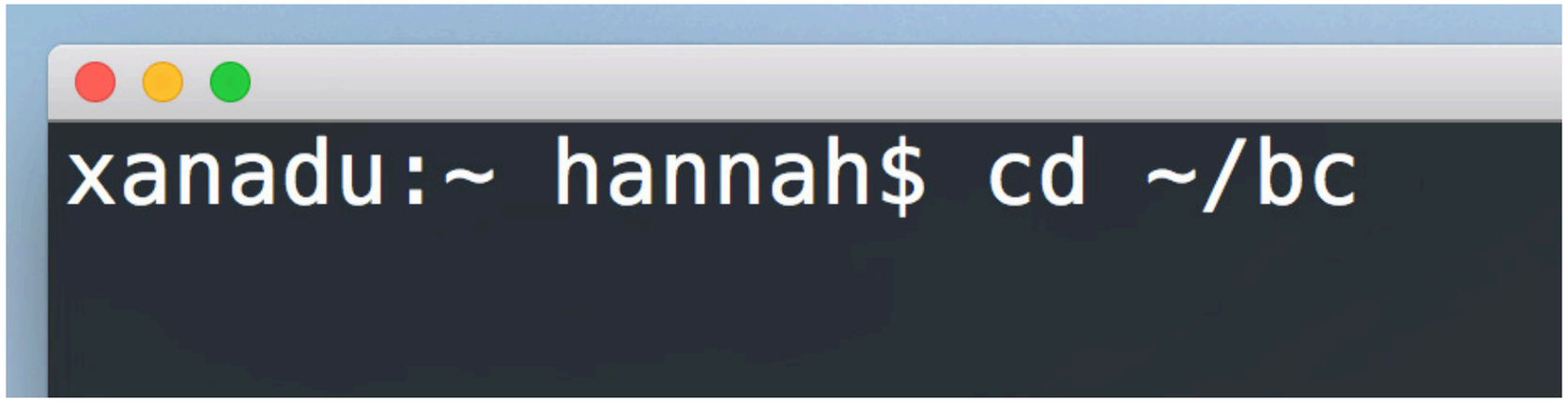
Full-Stack Development



Full-Stack Development is the concept of building **every** aspect of the web application – from the visuals and interactions, to the data transfer and processing.

Let’s Get Started!

Terminal commands



Hello, HTML

HTML tags

```
<div class="myDiv">Content</div>
```

```
<img src="image.jpg" />
```

Homework

Homework due next class

- Figure out where the GitLab Repo is for our class and take a look through it.
- Re-do the Terminal example from class today.
- Re-do the HTML example from class today.
- Watch the Walk-through Video if you felt a bit lost.