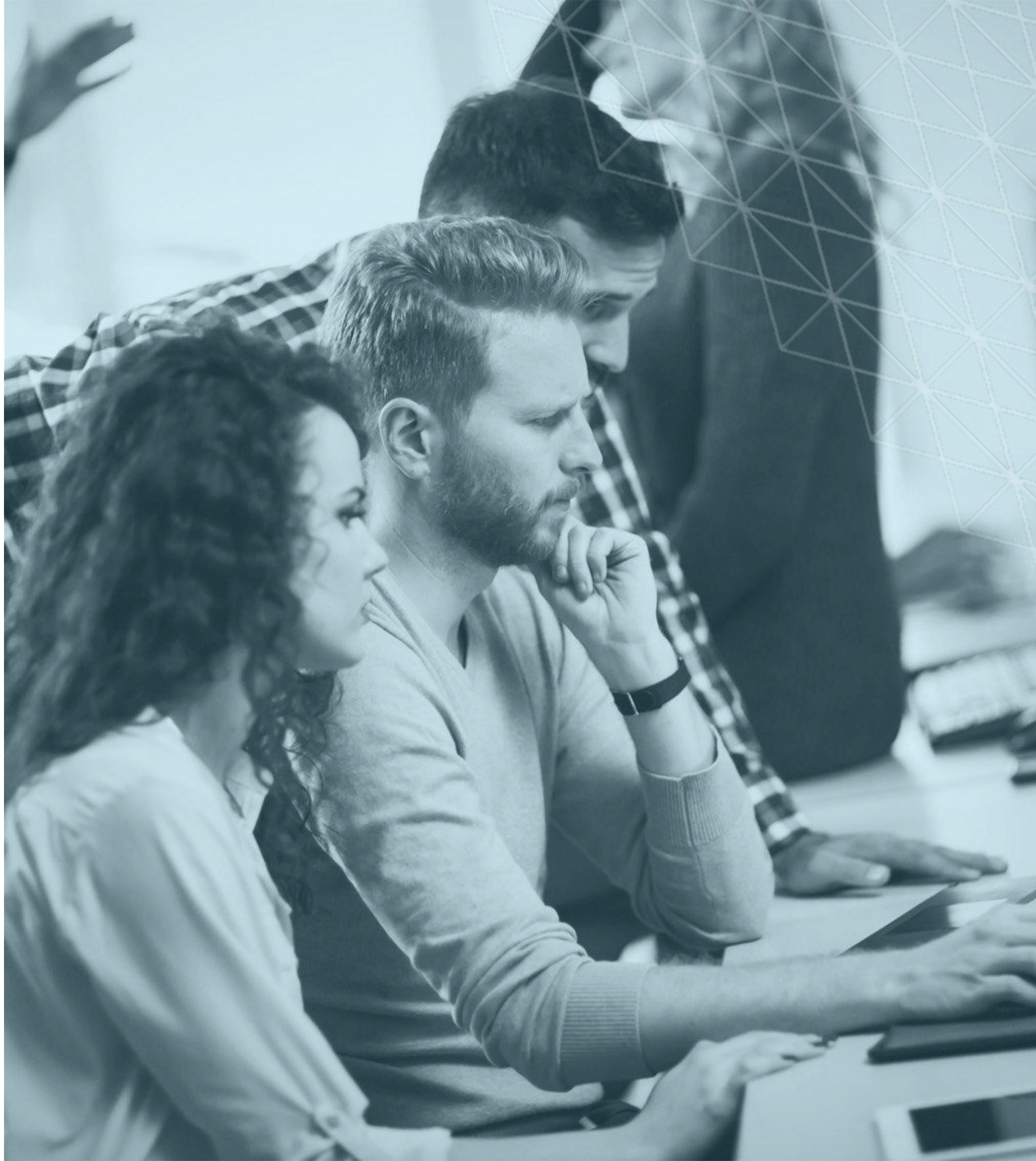


Welcome to University of New Hampshire Bootcamp

Wifi Name: CCSNH-Guest
Then...open browser!

Open:
Slack Desktop App & Add Photo!

Get up and play Bingo!



Activity: Present & Accounted For

1. Navigate to www.bootcampspot.com
2. Sign in
3. Click Sessions
4. Find Today's Date
5. Mark Your Attendance

By the end of this session, you will:

- Come to know your classmates as the community that you will rely on for collaborative learning.
- Know the staff who will be providing holistic support throughout the program.
- Understand the minimum requirements in order to successfully graduate from this boot camp.
- Be able to list ways to get help and support at your moments of need.

Joanna McKay

Student Success Manager

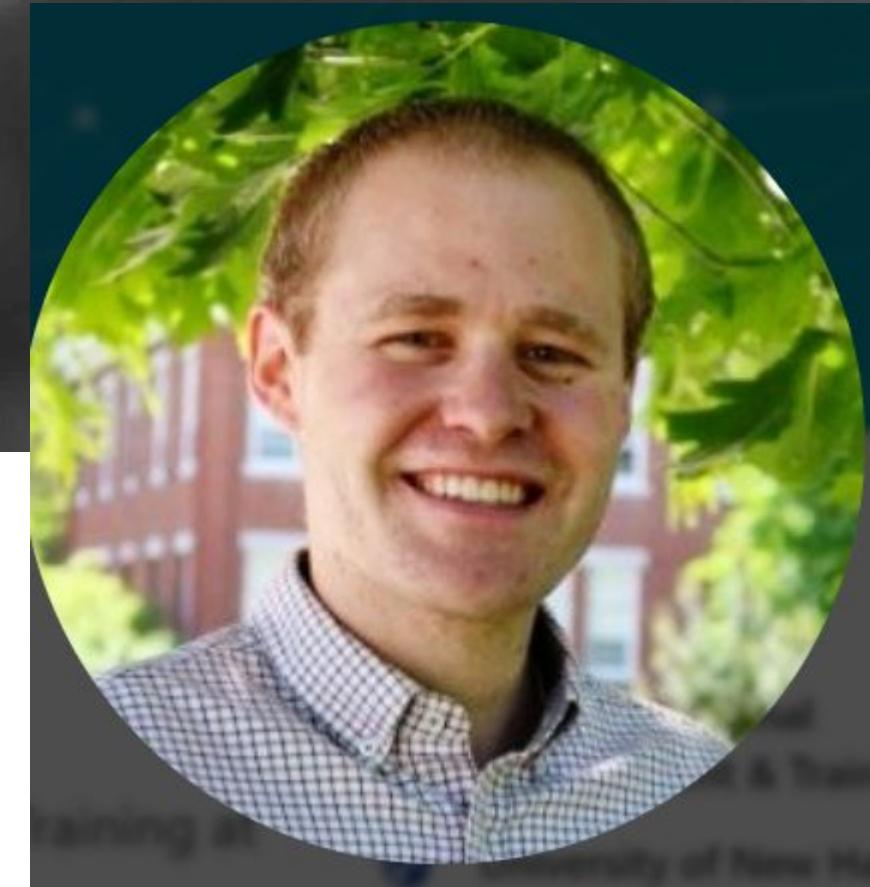
My goal is to help you successfully complete the program

You can reach me at jmckay@bootcampspot.com



Michael Mengers

Program Manager,
UNH Professional Development & Training



Academic Program Manager, Lecturer, and UNH graduate x2.
Always willing to help - michael.mengers@unh.edu, (603) 862-0725

Your turn!

In 30 seconds or less, please share:

Name

Location (Live and Commuting from)

Background (Career, Education, Interests)

One Fun Fact about yourself



Scott Byers

Instructor, full time geek.

Senior Full Stack Architect at The Atom Group

- Fourth time instructing UNH Coding Bootcamp
- Volunteer EMT for Newmarket Fire & Rescue
- 3rd Degree Black Belt, Former MMA Fighter & Trainer
- New-ish Dad - 3 year old little girl
- Avid Crossfitter, Musician, Vocalist, huge gaming, sci-fi, and movie nerd
- 20 years (this year!) professional engineering and leadership experience

Myers Briggs Type: **INFJ (textbook)**

<https://www.16personalities.com/infj-personality>

If you are comfortable, PLEASE share your MBTI with me privately on Slack. You can take it for free on 16personalities.com and will REALLY help my “personality type” understand yours.



Note: This is also GREAT to have handy for interviews. I always ask a potential candidate if they have a MBTI.

Michael Fearnley

Teaching Assistant

Full Stack Developer // Career Transitioner

- Graduate of UNH Coding Bootcamp - June 2019
- 6 years of pastoring and leadership experience
- Likes to travel and explore the world
- Enjoys the gym, mountain biking, video games, and Netflix binging



Bobby Hoffman

Teaching Assistant

- Graduate of UNH Coding Bootcamp December 2018
- Tutor: Full Stack Flex Web Development Curriculum
- Associates in Audio Engineering
- Enjoy the couch, playing guitar, gaming, and of course ...Coding!





PROFILE
COACHES



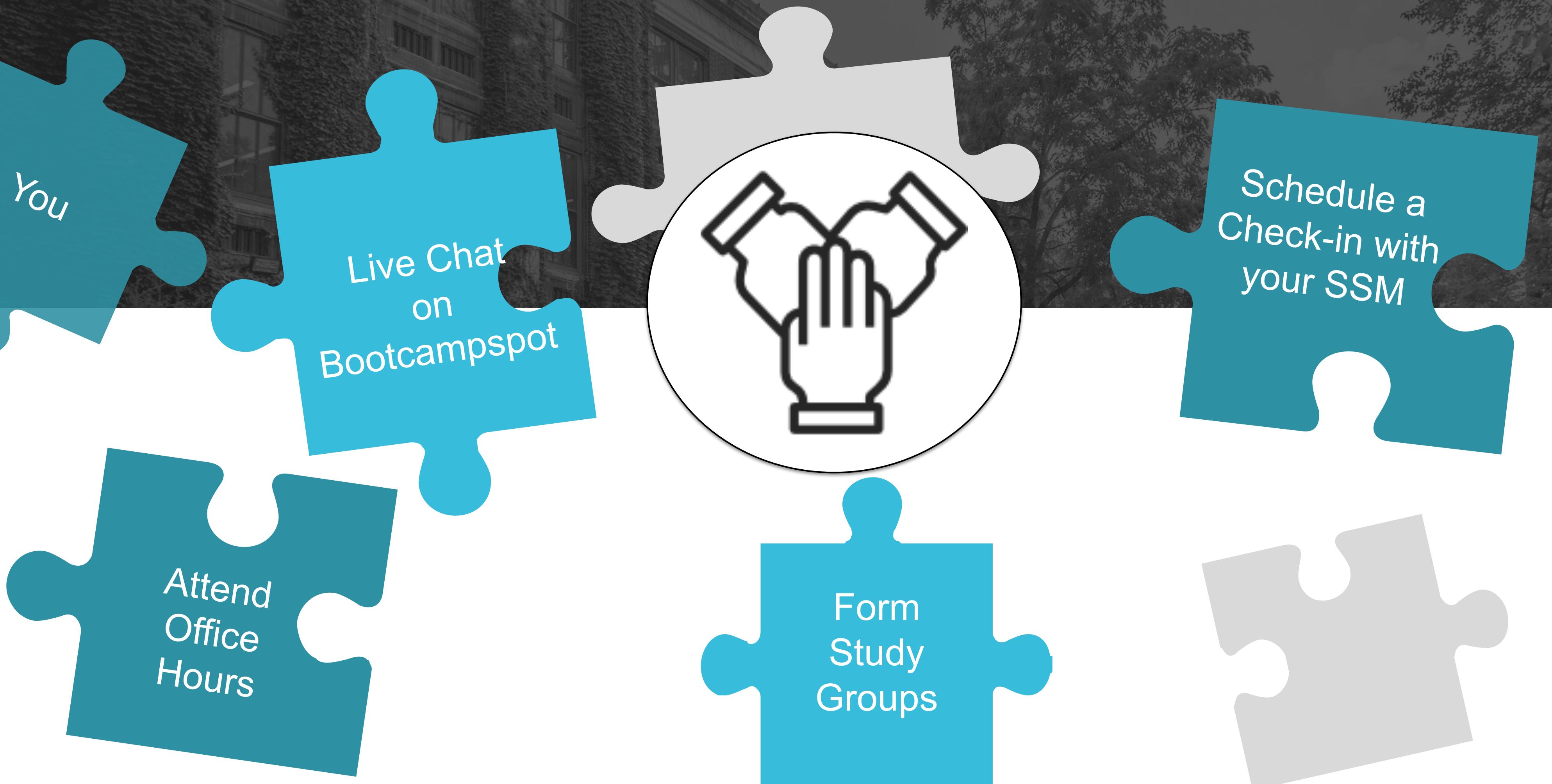
CAREER
COACH

YOUR CAREER SERVICES TEAM

YOU

SUPPORT STRATEGIES

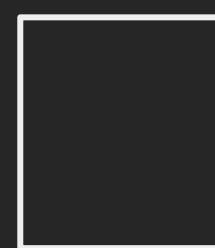
You are responsible for your **success**, but you're not alone!



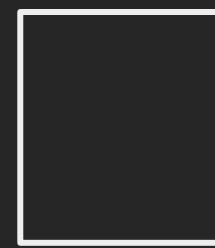
Activity: Landing Zones

1. Read this, then break into groups. (We'll direct you)
2. As a group, decide on a meeting time and place for your study group on your assigned day of the week.
3. Create a slack message with your teammates and ost day and location.
4. Choose a speaker to share your decision with the class.

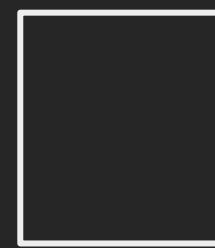
Minimum Graduation Requirements:



Miss no more than 4 classes



Have no more than 2 incomplete homeworks



Participate in all projects



Balance paid in full

Let's Review What We've Covered So Far:



Come to know your classmates as the community that you will rely on for collaborative learning.



Know the staff who will be providing holistic support throughout the program.



Understand the minimum requirements in order to successfully graduate from this bootcamp.



Be able to list ways to get help and support at your moments of need.



Break

See you back in 15 minutes!

Pre-Work

Software Checklist

At this point, you should have each of these installed:

- Slack
- Visual Studio Code
- Git for Version Control
- Git Bash (Windows) or Terminal (Mac)
- Node.js
- Heroku-CLI
- Google Chrome

Accounts Checklist

You should also now have accounts for:

- GitHub (with SSH Integration)
- Heroku
- LinkedIn
- Stack Overflow

Self-Check

Let's do some quick checks of the following

- ✓ Visual Studio Code Check
- ✓ Git Bash / Terminal Check
- ✓ Node Check
- ✓ Git Check
- ✓ Heroku Check

On the Modern Web

The “Magic” of YouTube

A screenshot of the YouTube homepage. The URL in the address bar is <https://www.youtube.com>. The search bar contains the query "how to be awesome". Below the search bar, there is a list of suggested search terms. On the left, there are "TODAY Recommendations" featuring a video thumbnail of Brad Pitt and Angelina Jolie. In the center, there is a list of videos under the heading "Popular Videos - Movies & Walt Disney by #Movies". The first video in this list is "24 Historical Inaccuracies in Disney Movies" by mental_floss.

how to be awesome|
how to be awesome
how to be awesome at everything
how to be awesome in school
how to be awesome at skateboarding
how to be awesome at agario
how to be awesome at basketball
how to be awesome at soccer
how to be awesome in middle school
how to be awesome kid president
how to be awesome in minecraft

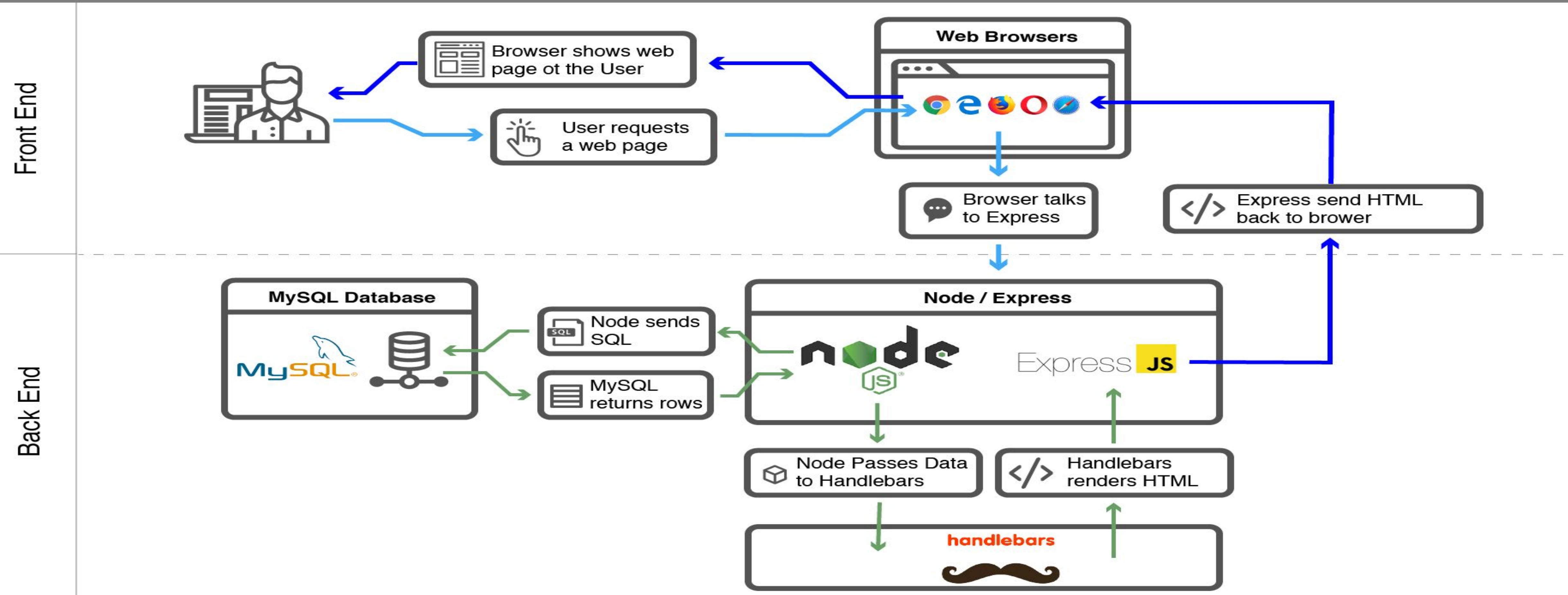
TODAY Recommendations

Popular Videos - Movies & Walt Disney by #Movies

- 24 Historical Inaccuracies in Disney Movies - mental_floss Li...**
Mental Floss · 142,518 views · 3 days ago
- 10 Hidden Details In Disney Movies**
Screen Rant · 11,553,738 views · 5 months ago
- Walt Disney Movies 2015 - Animation Movies 2015 English...**
Geroy Donothe · 186,964 views · 4 months ago

Full-Stack Development

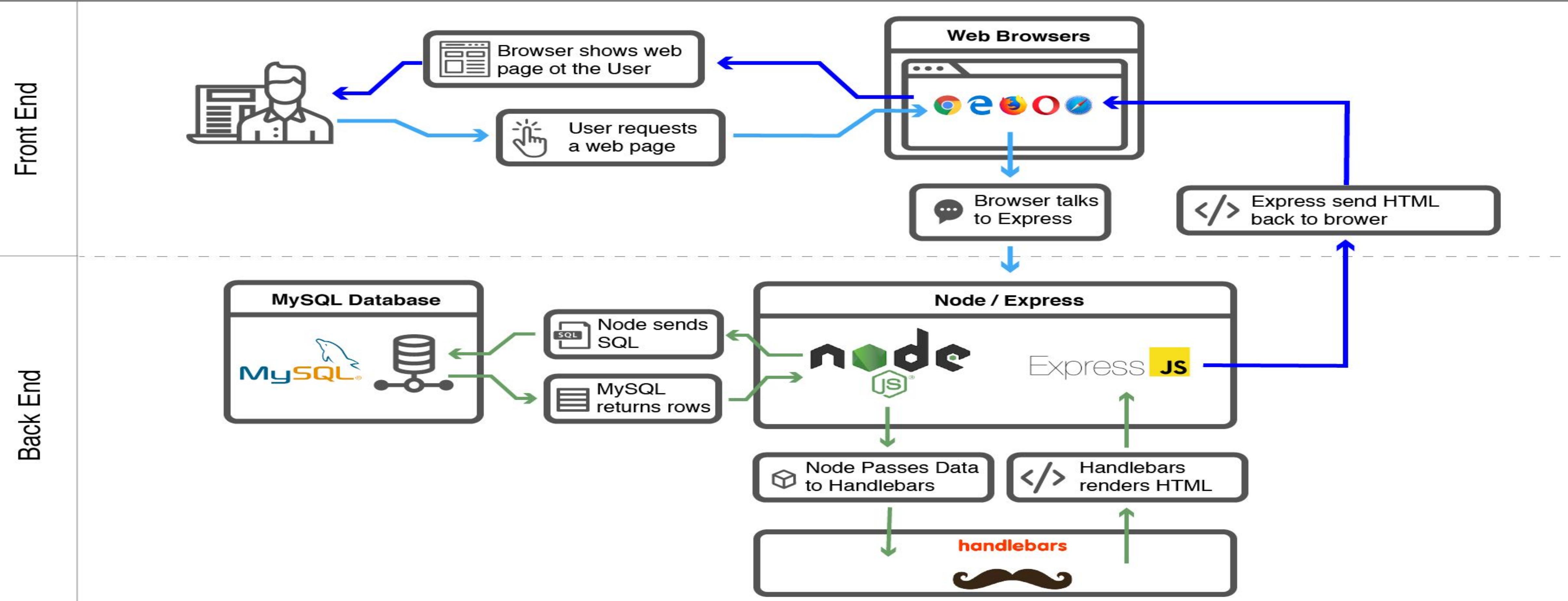
FSF Flow



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

FSF Flow



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.

Full-Stack Development

The Browser

- HTML
- CSS
- JavaScript
- jQuery
- Bootstrap
- SEO

API Interaction

- APIs (Consuming)
- JSON
- AJAX
- Real Time Cloud Database via Firebase

Cutting Edge Development

- React.js

Dev Tools

- Heroku
- Git
- GitHub

Databases

- MySQL
- MongoDB

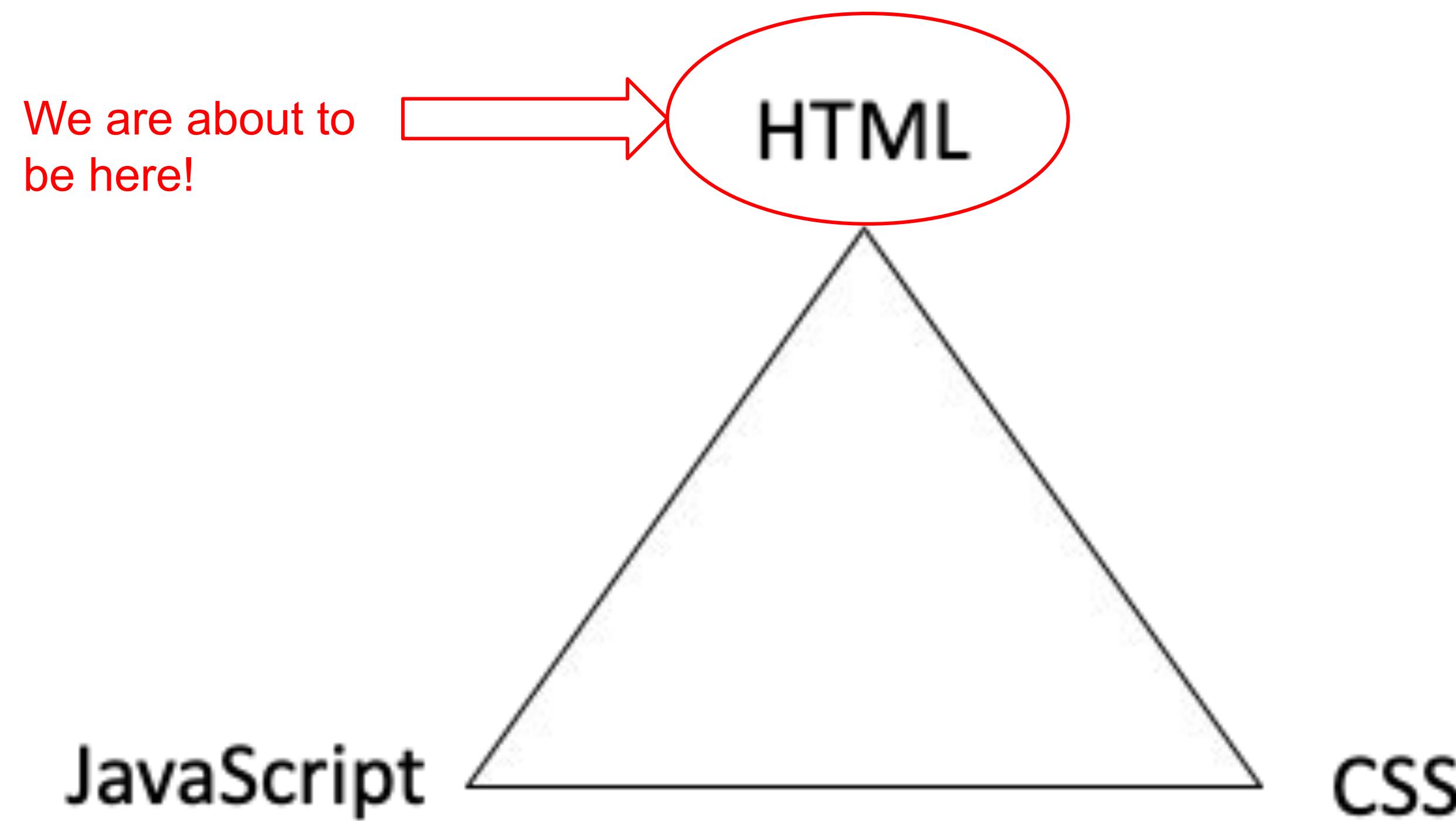
Server Side

- Templating Engines
- Sessions
- Writing tests
- Node.js
- Express.js
- Creating APIs
- MVC
- User Authentication
- ORM (Sequelize/Mongoose)

CS Fundamentals

- Algorithms
- Design Patterns

Fundamentals! Fundamentals! Fundamentals!



Let's Get Crackin'

Intro to Console / Terminal

```
OSXDaily@hyrule:/$ ls -l
total 16053
drwxrwxr-x+ 112 root admin 3.7K Jan 29 16:49 Applications/
drwxrwxr-x  15 root admin 510B Jul 21 2011 Developer/
drwxrwxr-x   7 root admin 238B Aug  9 15:28 Incompatible Software/
drwxr-xr-x+  62 root wheel 2.1K Jan 29 13:47 Library/
drwxr-xr-x@   2 root wheel 68B Jun 20 2012 Network/
drwxr-xr-x+   4 root wheel 136B Jul 26 2012 System/
lrwxr-xr-x   1 root admin 60B Mar 10 2011 User Guides And Information@ ->
/Library/Documentation/User Guides and Information.localized
drwxr-xr-x   9 root admin 306B Jan 25 14:00 Users/
drwxrwxrwt@   4 root admin 136B Jan 29 13:56 Volumes/
drwxr-xr-x@  39 root wheel 1.3K Jan 29 13:47 bin/
drwxrwxr-t@   2 root admin 68B Jun 20 2012 cores/
dr-xr-xr-x   3 root wheel 4.3K Jan 29 13:56 dev/
lrwxr-xr-x@   1 root wheel 11B Jul 26 2012 etc@ -> private/etc
dr-xr-xr-x   2 root wheel 1B Jan 29 14:08 home/
-rw-r--r--@   1 root wheel 7.8M Aug 25 00:49 mach_kernel
dr-xr-xr-x   2 root wheel 1B Jan 29 14:08 net/
drwxr-xr-x@   4 root admin 136B Dec  2 14:44 opt/
drwxr-xr-x@   6 root wheel 204B Jul 26 2012 private/
drwxr-xr-x@  62 root wheel 2.1K Jan 29 13:47 sbin/
lrwxr-xr-x@   1 root wheel 11B Jul 26 2012 tmp@ -> private/tmp
drwxr-xr-x@  11 root wheel 374B Dec  2 14:45 usr/
lrwxr-xr-x@   1 root wheel 11B Jul 26 2012 var@ -> private/var
OSXDaily@hyrule:/$
```

INSTRUCTOR DEMO

*Instructor: Demo
(1-ConsoleCommands)*

> YOUR TURN!

Activity: Get Situated | **Suggested Time:** 1 min

Assignment:

- Make a folder on your desktop named code.
- Put all of your code that you do inside of that folder.

Best Practices:

- Always use lowercase for folder and file names.
- Never put in spaces in your folder and file names.
- Use dashes to separate.

Assignment:

From the Terminal / Console and using only the command line, create:

- A new folder with the name of `first_day_stuff`.
- A new HTML file with the name of `first_day.html`.
- Open the current folder containing the new HTML file.

Bonus:

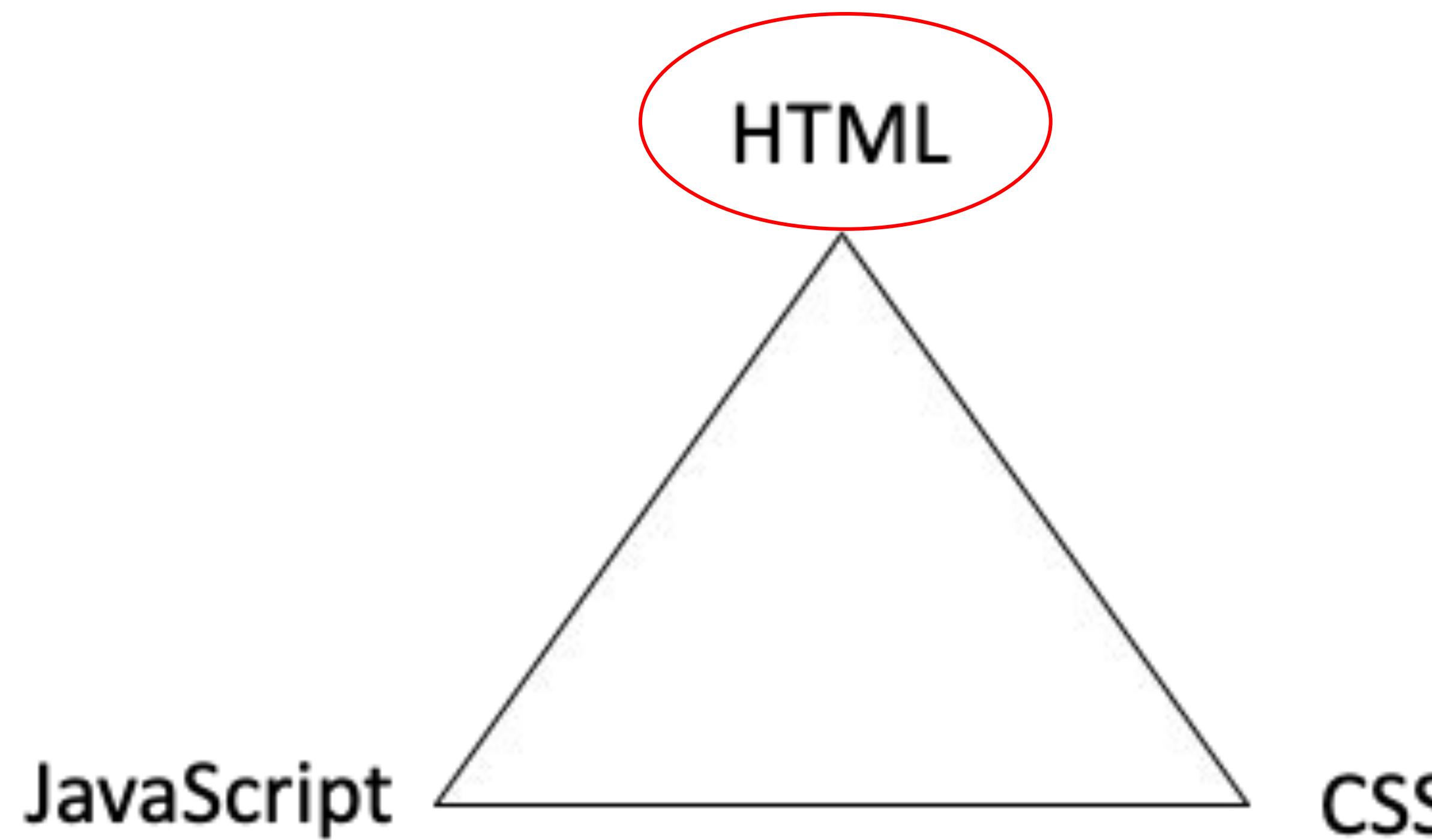
- Create multiple directories/folders with the names `one_folder` and `second_folder` in one command.
- Create multiple files with the names `one.html` and `two.html` in one command in the `first_day_stuff` directory.

Intro to Console

Discuss with Neighbors

Hello, HTML

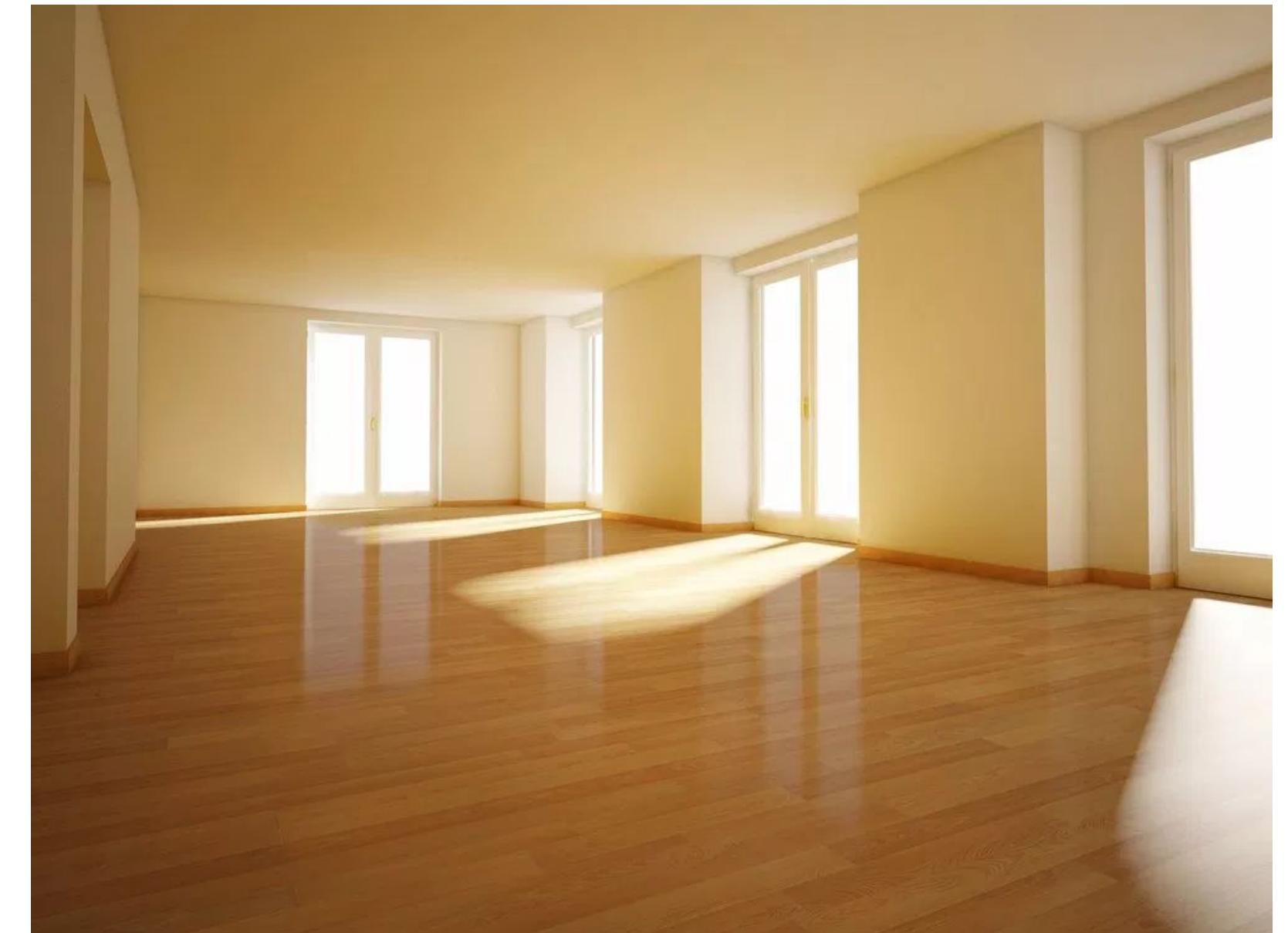
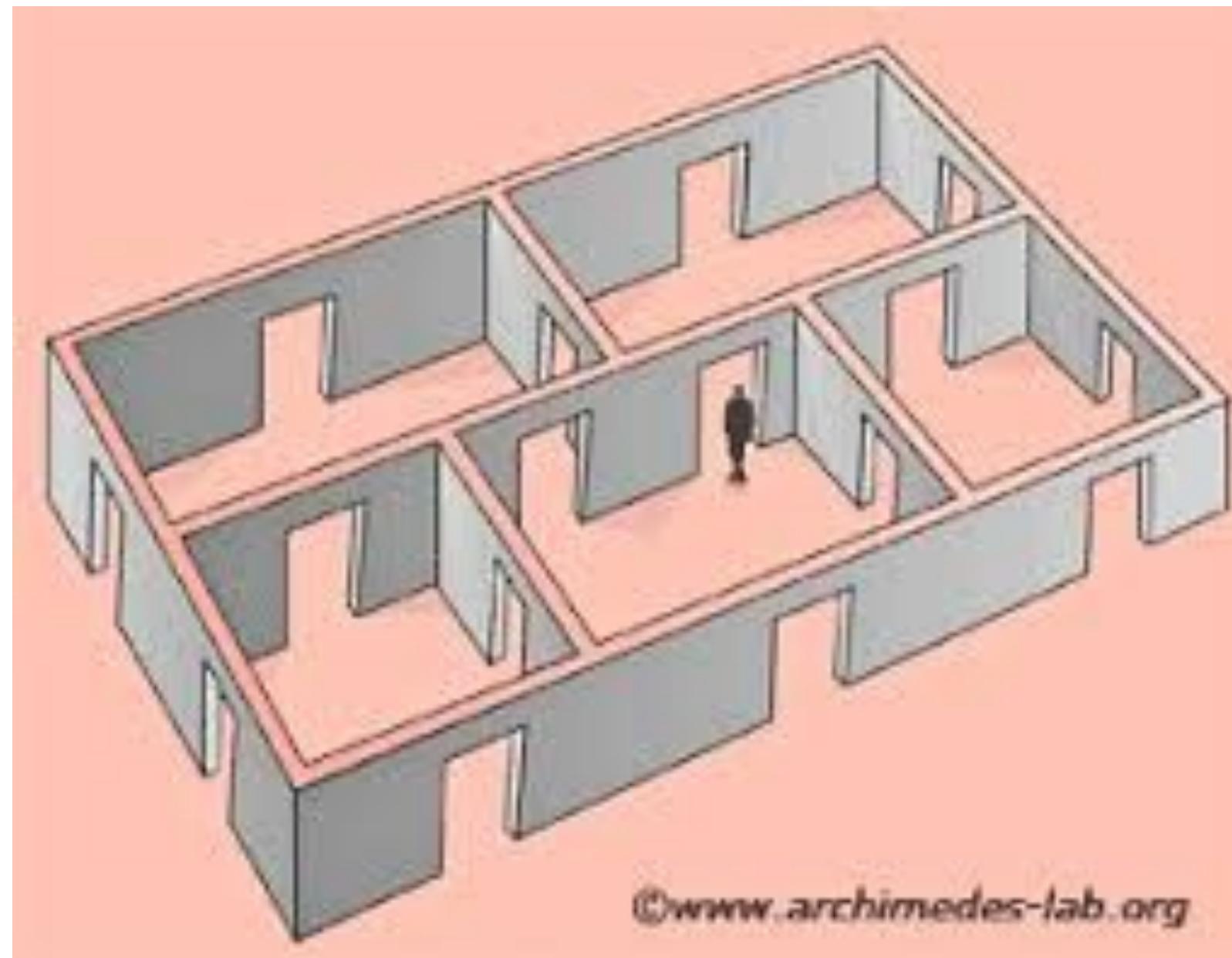
Fundamentals! Fundamentals! Fundamentals!



Building an app/website is just like building a house!

HTML is like a house with only a roof, foundation and empty rooms.

No decorations and no plumbing or electricity!



<title> Intro to HTML </title>



- HTML is one of the three base languages behind every single website.
- It defines all of the basic content and a *bit* of formatting.

> YOUR TURN

Assignment:

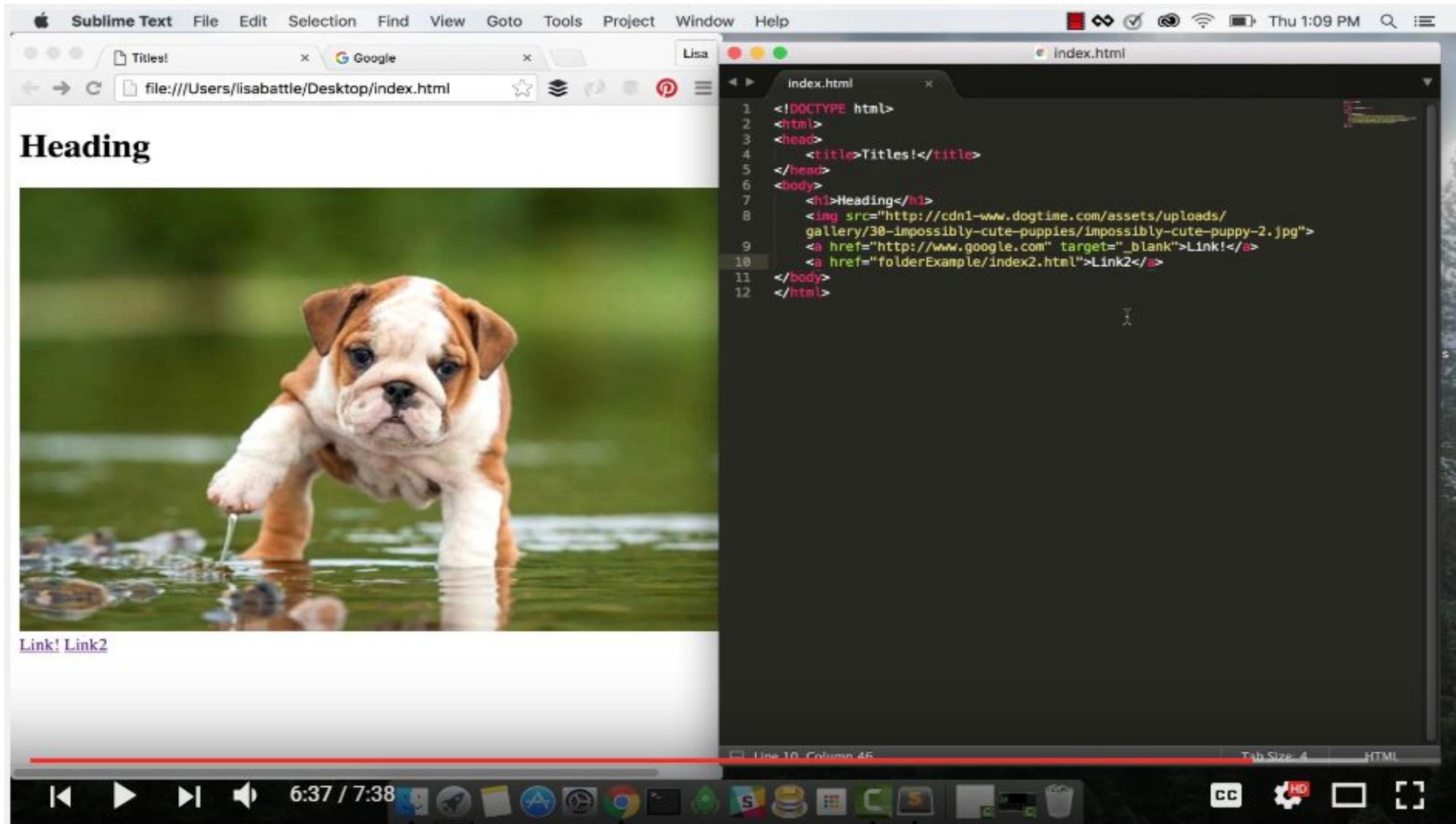
In a new HTML file, create the basic structure of an HTML document and include the following in it:

- DOCTYPE declaration.
- Head tag with a title tag.
- H1 tag with a title of your choice.
- Embed an image.
- Create the following three links on your page:
 - One link that has target="_blank" which opens a new tab when clicked
 - Make the second link bold.
 - Make the third link a placeholder so it goes nowhere.

Bonus:

- Create an ordered list of steps to make a sandwich.
- Create an unordered list of 5 bands/musicians you like.
- Create a table with 2 columns (animal class and animal name) and 4 rows of animals.
- Use an alternate way of separating links without line breaks.
- Embed a YouTube video of your favorite band/musician.

YouTube Video Walkthrough!



<https://www.youtube.com/watch?v=ieb6Svbc10E&index=1&list=PLgJ8UgkiorCnMLsUevoQRxH8t9bt7ne14>

<title> Intro to HTML </title>

How'd it go?

By Next Class

- Figure out where the Gitlab repo is for our class.
- Re-do the Terminal example from class today.
- Re-do the HTML example from class today.
 - Watch the Walkthrough Video if you felt a bit lost.
- Any questions on non-technical items can be asked
 - In Live Chat on Bootcampspot.com
 - Emailing Joanna, your Student Success Manager, at JMckay@bootcampspot.com