

launch _code

LC101 2.1



Welcome to Unit 2!

Welcome everyone!

You will notice some different faces for Unit 2. We had some students transfer out, some students transfer in, and we have some different TF's!

Internet.

We are in for some changes for Unit 2...



Class Logistics

1. Announcements
2. Last class review of major topics
3. Lecture on this class topics
4. In class Studio
5. Group Studio
6. * Studio Solution
7. * Mix-in or Additional content



Unit 2 Prep Work

Video Lessons

Articles

Tutorials

Cheat Sheets

Studios

Assignments



HTML and CSS

HTML - HyperText Markup Language

The content of your webpage, what goes where

CSS - Cascading Style Sheets

What your webpage looks like



Tags

`<>` is a tag in HTML

Tags are like keywords in Python, they tell the computer specific things are about to happen.

`<p>` stands for paragraph you are letting the browser know we are starting a new paragraph.

`</p>` closes the paragraph we opened. It let's the browser know the paragraph is over.



HTML, Head, & Body

All of the HTML you write needs to be within `<html></html>` tags. It's your way of letting the browser know you are writing HTML.

`<head></head>` tags contain information about the file, metadata that helps explain the file, or additional things you want to include with this file like JavaScript.

`<body></body>` tags contain the content of your webpage



Heading Tags

`<h1></h1>` Is a header tag, it's a way to separate the content of your webpage.

What about `<h2><h3><h4>...` How many headers do we have?

6. We have 6 header tags.



Anchor Tag

HTML became huge, because it allowed you to LINK information together. This is done using the anchor tag `<a>`

```
<a href="https://www.launchcode.org">Let's Go to  
LaunchCode!</a>
```



Images

Your browser can render image files, you tell it an image is coming by using the image tag ``

Image is a self closing tag, it doesn't require `` instead it closes itself because nothing goes inbetween the tags.



Nesting Tags

You can nest many of the HTML tags in different combinations to make different things happen.

Codecademy showed us nesting an anchor tag, and an image tag to make an image a link!

We have nested many things already,
`<p>`, etc.




Version Control

Version Control is a way of storing, backing up, and tracking changes to files made by multiple users. There is a record of every version of the file.

Consider working coding the same problem with a friend. You would have to share files via email, or dropbox, or Flash Drives, etc.

Version Control offers an alternative. You work on one remote folder, and everyone checks out their own version of the file, and commits their changes to the original file.



Git

There are multiple VCS packages. We will be using Git in this course.

Git was created by Linus Torvald, the same guy that created Linux.

It's free, you can store your files on Github.com, and lots of companies use it.



Git Workflow

0. Create Git Repository (you can initialize a new one with `git init`, or you can clone an existing repo)
1. Make Changes
2. Stage (What are you adding/changing)
3. Commit (make note of the changes, or additions, and ready them to go to remote)
4. Push (save your changes to the remote Repo)



Studio

TF Scramble

Fake News!

Make sure you have installed and are comfortable with using: Miniconda, Python3, Git, Bash (Windows), Terminal (MacOS, LinuxOS), Visual Studio Code

