



08 January 2018

Week 2 Section 1: Establishing a Website



What is Git?

What is Git?

- **Version Control System**
 - Version control is a system that records changes to a file or set of files over time you can look back at specific versions later.
- A system that can store, retrieve, and merge various versions of your files
- Similar to Dropbox or Google Docs - easy file recovery
- If you continue into a technical career path, you will certainly continue using git

What is GitHub?

What is GitHub?

- Web based repository hosting service
 - version control
 - collaboration
- It's like google docs for hosting code!
- Repository (repo): Used to organize projects
 - Contains files, images, folders, data sets, etc.
 - It essentially is just like a folder on your computer

GitHub Account Setup

- **If you already have a GitHub account**, you need to make another one for us to be able to access your work through gClass.
- GitHub username:
 - UW NetID-UW Student number
 - katiegoulding-15293740
- Repository name:
 - UW NetID-UW Student number.github.io
 - Katiegoulding-15293740.github.io
 - Include a README.md

What is HTML?

What is HTML?

- **H**yper **T**ext **M**arkup **L**anguage
- Multiple types of markup languages but this is by far most prominent
- Use a text editor to write your code
 - Visual Studio
 - TextWrangler (for Macs)
 - Notepad++ (for Windows)
 - Atom
 - Sublime
- HTML is used to create content, not style - It's just the basic "bones" of the page
- It works for any device, anywhere, at all times, and will scale

Today We Will....

- Basics of HTML
 - `<head>`
 - `<body>`
 - `<h1>`
 - `<p>`
- Media
 - ``
 - `<iframe>`
 - YouTube Video
 - Google Map

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <title>Hello World</title>
5      </head>
6      <body>
7          <h1>Hello World</h1>
8
9      </body>
10 </html>
11
```

```
1  <!DOCTYPE html>
2  <html>
3      <head>
4          <title>Hello World</title>
5      </head>
6      <body>
7          <h1>Hello World</h1>
8
9          <iframe width="560" height="315" src="https://www.youtube.com/
10 embed/A9HV508Un6k" frameborder="0" allowfullscreen></iframe>
11
12          
14      </body>
15  </html>
```

TODAY

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title> Katie's Site </title>
5   </head>
6   <body>
7     <h1> Katie </h1>
8     <h2> About Me! </h2>
9     <p>I am from the Seattle area and love animals, trees, mountains and all things nature. I am an environmentalist, optimist, feminist, vegetarian,
10    programmer. I am a citizen of more than one country and love to travel. I also love coffee, vegetables, and chocolate chip cookies. </p>
11    <h2> My Favorite Sites! </h2>
12    <ul>
13      <a href="https://www.google.com/"> Google</a>
14    </ul>
15    <ul>
16      <a href="https://www.amazon.com/"> Amazon</a>
17    </ul>
18    <ul> PATH </ul>
19
20    <h2> My Favorite Pictures! </h2>
21    
23
24    <iframe width="560" height="315" src="https://www.youtube.com/embed/A9HV508Un6k" frameborder="0" allowfullscreen></iframe>
25
26    
27  </body>
28 </html>
```

Katie

About Me!

I am from the Seattle area and love animals, trees, mountains and all things nature. I am an environmentalist, optimist, feminist, vegetarian, programmer. I am a citizen of more than one country and love to travel. I also love coffee, vegetables, and chocolate chip cookies.

My Favorite Sites!

[Google](#)

[Amazon](#)

PATH

My Favorite Pictures!



What is CSS?

- **Cascading Style Sheets**
- This is a language that creates the **presentation** of the webpage
 - Colors, Layouts, Fonts, etc.
 - CSS is the entire design and layout and *style*
- Next Week :D

Original Work

- **Level 1: Newbie (40 XP)**
 - A Youtube video
 - A google map
 - One more thing that we did not demo in the workshop
- **Level 2: Apprentice (80 XP)**
 - A Youtube video that plays starting at minute 3
 - A video that plays using the HTML5 video tag
 - Something using the object tag
- **Level 3: Master (120 XP)**
 - A Youtube video that plays starting at minute 3 and another feature that you can't get from the basic embed code you paste from Youtube
 - A video and audio file that plays using the HTML5 video and audio tags
 - Something using the object tag that is not flash
 - An RSS feed displayed