CodeKCS

Building a Portfolio Website

With HTML, CSS, and JS

Introduction to Github

Your first project here at CodeKCS is to make a Github Pages portfolio to showcase all your work from this course.

Github is a code sharing and collaboration website that uses something called Git. With Github, you make things called repositories that are basically big folders that hold all of your code. Github Pages is a way of turning a repository into a website.

Introduction to Git

Git is a system many software developers use to manage versions of their software and to keep track of who edited what.

You have one main 'repository', a big folder full of the code and its assets. Everyone can create their own 'branches' or copies of that repository to work on, then they can compare their copies and merge them together into the main 'branch' of that repository - where the master/official code is.

Git is mainly a system of tracking changes in software, and logging who made those changes.

Github Pages + Code Anywhere

https://codeanywhere.com/

This is where our web based Cloud IDE is. You will use it to write your code and push the code to your Github repository.

https://github.com/

We will be hosting our websites with Github Pages. The process for this includes creating a github repository with all the files for your website and choosing the option to publish it on github pages. From there, you will be able to update your code for the website from the command line in codeanywhere.

Important Git Commands For This Project

`git add *`

`git commit -m "Commit message"`

`git push origin master`

`git log`

`git config --global user.email "email@example.com"`

Introduction to HTML

Hypertext Markup Language, or HTML, is basically a way of 'tagging' text files to make them look and behave a certain way. 'Tags' basically say what pieces of text on the page are supposed to look like and do.

```
<h1> These tags mean that this text is a heading. </h1>
<b> This means that this text will be bold. </b>
<button> This is a button. </button>
<a href="https://github.com/"> This is a link. </a>
```

Output

<h1> These tags mean that this text is a heading. </h1>

 This means that this text will be bold.

<button> This is a button. </button>

 This is a link.

These tags mean that this text is a heading.

This means that this text will be bold. This is a button. This is a link.

Introduction to CSS

As you can see, just plain HTML is a bit of an eyesore. That's why we use CSS, or Cascading Style Sheets, with it. CSS is just a bunch of rules that the HTML elements (the tags and the content within them) must follow.

Wrote out stylesheet rules on the board + typed it out on my computer for all the students to see. This is about where I started walking around the classroom to address problems.

Introduction to Javascript & JQuery

Javascript spices things up, and the JQuery library makes things even more interesting.

Didn't end up getting to Javascript in class; a few students did get to try it out though.