Project 0: Homepage

Objectives

- Become more comfortable with HTML and CSS to design and style webpages.
- Learn to use SCSS to write more complex stylesheets for your webpages.

Getting Started

Your First Webpage

Download the distro code for this project from
https://cdn.cs50.net/web/2020/x/projects/0/project0.zip and unzip `project0.zip`, which should
yield a directory called `project0`.

Then, in a terminal window (located in `/Applications/Utilities` on Mac or by typing `cmd` in
the Windows task bar), move to the directory where you extracted `project0` (recall that the `cd`
command can change your current directory), and run

```
cd project0
```

to enter the project directory. Now, run

```
touch index.html
```

to create a new `index.html` file in your repository. Open the file with your favorite text editor:
popular choices include Atom, Sublime Text, and VS Code. Then, paste in the following contents:

```
<!DOCTYPE html>
<html>
    <head>
        <title>My Webpage</title>
    </head>
    <body>
        Hello, world!
    </body>
</html>
```

Then, save your `index.html` file.

Requirements

Alright, now it's time to make your website your own. Design a personal webpage about yourself, one of your interests, or any other topic of your choice. The subject matter, look and feel, and design of the site are entirely up to you, subject to the following requirements:

- Your website must contain at least four different `.html` pages, and it should be possible to get from any page on your website to any other page by following one or more hyperlinks.
- Your website must include at least one list (ordered or unordered), at least one table, and at least one image.
- Your website must have at least one stylesheet file.
- Your stylesheet(s) must use at least five different CSS properties, and at least five different types of CSS selectors. You must use the `#id` selector at least once, and the `.class` selector at least once.
- Your stylesheet(s) must include at least one mobile-responsive `@media` query, such that something about the styling changes for smaller screens.
- You must use Bootstrap 4 on your website, taking advantage of at least one Bootstrap component, and using at least two Bootstrap columns for layout purposes using Bootstrap's grid model.
- Your stylesheets must use at least one SCSS variable, at least one example of SCSS nesting, and at least one use of SCSS inheritance.
- In `README.md`, include a short writeup describing your project, what's contained in each file, and (optionally) any other additional information the staff should know about your project.

Note that not all of the above requirements are covered in Lecture 0, some will be introduced in Lecture 1.

How to Submit

IMPORTANT: *On 1 July 2020, CS50W will update to a new version and this version of this project will no longer be accepted for credit. If you haven't completed the entire course by that date, that's okay! If you ultimately receive a passing grade on this project, we will consider it equivalent in scope and content to Project 0 in the new version of the course, and within two weeks after 1 July 2020 your gradebook at https://cs50.me/cs50w will update to reflect that you have received credit for having completed Project 0.*

1. Visit this link, log in with your GitHub account, and click **Authorize cs50**. Then, check the box indicating that you'd like to grant course staff access to your submissions, and click **Join course**.
2. Install Git and, optionally, install `submit50`.
3. If you've installed `submit50`, execute

        submit50 web50/projects/2020/x/0

Otherwise, using Git, push your work to `https://github.com/me50/USERNAME.git`, where `USERNAME` is your GitHub username, on a branch called `web50/projects/2020/x/0`.

4. Record a 1- to 5-minute screencast in which you demonstrate your app's functionality and/or walk viewers through your code. Upload that video to YouTube (as unlisted or public, but not private) or somewhere else.

5. Submit this form.

You can then go to https://cs50.me/cs50w to view your current progress!