

## Assignment 7 – Implementing a Web Portfolio/Tool Project (Final Project Pt. 2)

**Assigned:** Tue. April 3

**Due:** Mon. April 23 11:59pm

### Project Overview

Translate the work you did in Assignment 6 to a fully-functioning, interactive, responsive website using HTML/CSS/JS. You should incorporate the feedback you received from Assignment 6.

NOTE: It is ok to change your plan from Assignment 6 to 7. We discussed some cool libraries in class today, and we will talk about animations next week, so you might have more ideas and places to look for inspiration. However, if you decide to change:

1. You MUST describe in your write-up what you changed and why
2. If you plan on massively changing your plan, be sure to check in with your TA for approval. I want to make sure the scope of your project is not too big (or not too small) so you all have time to finish it by the deadline.

### Final Project Goals

- Design an interesting tool or set of user interactions that will be an illustrative and impressive addition to your web portfolio. You will be required to do **at least** one of the following things (Note: We will cover some of these in lab):
  - Use a new JS library (e.g., react, p5, d3)
  - Use a web API
  - Use animations
  - etc.
- Responsive Design (i.e., should work for multiple interfaces such as different sized web browsers)
  - Note: As we discussed in lab, you can use Bootstrap to help you with this (you are NOT required to though).
  - Resources: <https://getbootstrap.com/docs/3.3/css/#overview>
- Showcase your work to other people. We will have a showcase where you will present your site to other people in the class (more info will come soon on this!)

## All Deliverables will be submitted to GitHub.

**Deliverables** (52+18 = 70 pts total)

### 1. Website for your Portfolio or Informational Tool

- a. (15 pts) All HTML/CSS/JavaScript/Asset files on GitHub. Note: You need to have at least a new JS library, web API, animation etc. for this HW.
  - b. (5 pts) Host your webapp on GitHub, as shown below
2. (4 pts) Please organize your CSS/JS/images/other files under an *Assets* folder. You should have a folder for each of them within *Assets* as well.
- a. If you have many HTML pages, you should organize them in folders as well (outside *Assets*). For example, for those of you who Chose option 1, each of your “projects” you will display should be a different folder. For Option 2 people, each of the “concepts” you want to teach ideally would be a separate folder if the concepts are not sharing much content with each other.
  - b. These points apply to those people who are not using an MVC framework. If you use MVC, it is fine to follow the structure it imposes.
3. (10 pts) Interactions should work as described without error (you will do the description in the write-up below)
4. (6 pts) Website should be responsive (work for multiple screen sizes)
5. (6 pts) Your code should be well-organized, indented and well-commented. I will be stricter with grading of this part.
6. (6 pts) Pages should render without errors in the browser
- a. Be sure to check that all of your links (to assets, libraries, imgs, etc.) are properly working! The Console will be your best friend for this HW!
  - b. Test on other computers, and/or browser incognito mode.

### 7. Write-Up

The goal of your write-up is to clearly convey the work you did on this project (i.e., make it VERY clear to your TAs how to evaluate your work). The following will also be useful to you when you showcase it. **In your write-up, please clearly mark each part (i.e. Part 1, Part 2 and so on).**

- a. (5 pts) **Part 1:** In 300 words (only!) describe your website (I will stop reading at 300 words, so please be concise). Include the following:
  - i. What is the purpose of your website?
  - ii. What information do you convey with your website?
  - iii. How is it interesting and engaging?

- iv. Who is the target audience?
- b. (5 pts) **Part 2:** Use a bulleted list to describe how a user would interact with your website. For each item in your list, say
  - i. the interaction type you implemented
  - ii. how I should reproduce it (i.e. click on X on page Y, or scroll on page X, etc.)
- c. (4 pts) **Part 3:** Describe what external tool you used (JavaScript library, Web API, animations, or other). Following the bulleted list format below, reply to each of the prompts. (I will stop reading at the 4th sentence, so please be concise)
  - i. Name of tool
  - ii. Why you chose to use it? (2-4 sentences max)
  - iii. How you used it? (2-4 sentences max)
  - iv. What it adds to your website? (2-4 sentences max)
- d. (2 pts) **Part 4:** Describe how you iterated on your HW6 mockups, if at all, including any changes you made to your original design while you were implementing your website. (2-4 sentences max)
- e. (2 pts) **Part 5:** What challenges did you experience in implementing your website? (2-4 sentences max)

## Submission

- Submit your write-up on GitHub
- Host your page on GitHub
  - Use [Project Pages](#) if you are already hosting another website under your account.
  - Settings > GitHub Pages > Select “master” as source. If you get an error opening the website, wait a few minutes because it can take a while to appear (or try making a dummy push to your repository).