

Creative Project #2

Re-submit Assignment

Due Feb 22 by 11:59pm **Points** 100 **Submitting** a text entry box or a website url

For this lab, you will create a website that uses HTML, CSS, and JavaScript. This website can be for anything you want, but should not be similar to previous labs. You must create your own original work.

Your main goal with this project is to connect to an API using JavaScript, like what we did with Lab 2. You should find an open API (e.g. free, but perhaps requires registration), and write a site that uses this API to present the data.

You should look at this [list of open APIs](https://github.com/toddmotto/public-apis) (<https://github.com/toddmotto/public-apis>). Avoid APIs that use OAuth for authentication, unless you are already familiar with how to implement this or are an experienced JavaScript programmer. Be careful to choose one that has YES listed for CORS. This means you can use purely client-side code to fetch data from the API.

Pair Programming

You are welcome to use pair programming for this assignment. With pair programming, two students work together at one workstation. One takes the role of the "driver" and writes code while the other takes the role of the "observer" to review each line of code as it is typed in and offer suggestions. The two students switch roles frequently during the project. The two students should have relatively equal levels of experience.

Pair programming is **not** assigning different parts of the project to two different people, and then meeting later to put the work together. You should follow the above guidelines for pair programming to create a better learning experience.

Requirements

This is a creative project, so you are welcome to build what you would like. The basic requirements are:

- The site uses JavaScript and fetch to get data from an external API
- The site contains a footer that links to your public GitHub repository

The GitHub repository should be in your own GitHub account.

Submission

Please submit to Canvas the URL for your web server, where your code is running (e.g. on your DigitalOcean server). On this website, in a footer, you must include a link to your GitHub repository. Use

a unique URL for the project, e.g. cp2.emmasmith.org.

If you worked with a pair programming partner, both of you should submit the assignment and both of you should list the other person's name in the website footer and in the assignment submission.








Rubric for Grading

We will grade your projects based on:

- how clearly you present the data from the API
- how well you follow web design principles: spacing, typography, color, consistency, and responsive design.

TAs will assign scores in these ranges:

- 90-100: Excellent presentation of data from the API, clearly follows web design principles
- 80-90: Uses an external API, good effort was made, but needs work to more clearly present the data or follow web design principles
- 70-80: Fulfills the minimum requirement of using an API, but does not make a strong effort to present the data clearly or follow web design principles

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| ✓  |  (https://byu.instructure.com/courses/5724/modules/items/387981) |
| ✓  | (https://byu.instructure.com/courses/5724/modules/items/366443) |
|  ✓  | (https://byu.instructure.com/courses/5724/modules/items/362850) |
| ✓  | (https://byu.instructure.com/courses/5724/modules/items/415275) |
| ✓  | (https://byu.instructure.com/courses/5724/modules/items/415286) |