Final
Due by 11:59pm Monday, May 7

1. Create a new branch in Github called ‘final’.
2. You will need to run your code like the previous assignment, using http-server. In the command prompt, navigate into the folder that contains all of your files for this assignment and run ‘http-server ./’. Navigate to ‘localhost:8080’ in your browser to see your web page running.
3. All pages will have a consistent header (menu, icon, etc.) and footer.
4. All pages will have a headline depicting what the page is about.
5. All pages will be mobile responsive down to 350px. They will not “break” at any point.
6. Your project:
    a. Will NOT have scrolling along the x-axis
    b. Must use a font other than a built in default font
    c. Must include a reset CSS file
    d. Will use JavaScript and/or jQuery
    e. Will not have any errors in the console
7. You will have the following pages in your project that are all accessible through your header.
    a. Homepage
        i. This page is up to you.
        ii. The page will contain at least 50 lines of HTML in the body (excluding all your head tags).
        iii. I’m looking for creativity - animations, user interactions, etc.
    b. Form page
        i. The content on this page is up to you, but it must contain a form.
        ii. The form will have at least 3 fields and a button.
        iii. The form will not POST to anywhere, but will perform data validation as it is. Forms must not be empty and must contain valid information per the field (email input should have an email address in it on submit). If on “submit” something isn’t valid, you will represent that to the user on the page.
        iv. If the form is valid, you will display all the information that was in the form on the page itself below the form and clear out the form fields.
    c. Map page
        i. Using the Google Maps JS API (https://developers.google.com/maps/documentation/javascript/tutorial) you will include a large map on this page.
        ii. The map will have at least 3 markers on it that are all visible when the map loads. Each of your markers will also have infowindows that display on mouse click or hover.
        iii. You will provide text on the page outside of the map that talks about each marker and why you marked it on the map. For example, this page could show your favorite city on the map with markers for your favorite restaurants.
        iv. If your map has a custom style applied to it (outside the 6 default that are provided for you), you will receive extra credit.
    d. API page
        i. This page will be used to display data that you get from a free, public API of your choice. You will NOT use the https://jsonplaceholder.typicode.com/ site we used before. Here is a great list that you may use: https://github.com/toddmotto/public-apis/blob/master/README.md

1. Some from that list that I tested and look easy/fun to interact with:
    a. https://punkapi.com/documentation/v2
    b. https://www.themealdb.com/api.php
    c. https://opentdb.com/api_config.php
    d. https://github.com/HackerNews/API

ii. The page will make at least 2 API calls - one probably on load, and another once a user interacts with some part of the page.

iii. Display the data in a way that is clear as to what it is, how different data points are related, etc.

iv. This page should be interactive for the user and use the API in a way that could make up an actual webpage.