

Front-End Engineer Test

YOUR MISSION:

Your challenge here consists of 3 parts:

1. Fix QA issues on the page provided
2. Implement the additional feature needed
3. Refactor the pages using your judgment on best practices, and stylistic conventions.

DETAILS:

Please download the attached files in the email. These files contains the following:

1. The “specs” directory zip file contains the design specifications of the challenge
2. The “qa feedback” directory contains a document that lists fixes that our QA team has asked for

Please download the base source code from this link here:

https://drive.google.com/file/d/1avBpABlbZFOLJE4RSgE4px9Rb50zS_HZ/view?usp=sharing

The page as it is currently coded is a page that allows a user to search for an email address and displays the returned information in a result page. The API that the code hits is the following:

<https://ltv-data-api.herokuapp.com/api/v1/records.json?email=doesmith@example.com>

Please note the query string parameter in the URL that passes in the email address to lookup. Depending on the email address searched(refer to the data set in the API for all possible valid email addresses that can be searched on), the response will either be an empty array, if it finds no matching email address, or a json response in the following manner:

```
[
  {
    email: "doesmith@example.com",
    first_name: "Dow",
    last_name: "Smith",
    description: "Lorem Ipsum Dolor",
    address: "123 Chocolate Ave",
    phone_numbers: [
      "2125551234", "2125551235", "2125551236"
    ],
    relatives: [
      "Jane Smith", "Jon Smith"
    ]
  }
]
```

There are 3 parts to the challenge:

1. Our QA team has identified 5 things that are visually wrong with the code as compared to the design specifications. Please refer to the design specifications and the [QA issues document](#) and fix the requested changes.
2. We have added into the API an ability to search on phone numbers as well. In order to do this, the API now accepts another parameter to search on called "phone". So you can make a request to the API in this manner:

<https://ltv-data-api.herokuapp.com/api/v1/records.json?phone=2125551234>

The design specifications show a tabbed functionality to switch from email search to phone search. You are required to implement this as new functionality. As part of this:

- a. You will also need to validate that a valid phone number is inputted by the user. For simplicity sake, a valid phone number is 10 digits long and doesn't allow any other character as valid.
 - b. You will need to keep it responsive as per design specifications
 - c. Your implementation needs to be as close to the design as possible
3. One of the values our team lives by is to leave code in a better manner than it is found in. This means that our team always looks for ways to improve code when they are working on features. We would like to see you use best practices and conventions per your judgment to improve the quality of code.

CHALLENGE REQUIREMENTS:

1. Download the "src" directory from the link provided above and upload that into your github account in a private repository as "Initial Commit".
2. Please make separate commits for the QA fixes, the new feature, and the refactors
3. Push up and host your code on a server, and send us the link when you submit your response
4. You must follow the design as closely as possible. Our devs work on designed pages like this everyday and attention to details are very important for us and we expect the same from anyone joining.
5. You can use HTML, CSS, Bootstrap 4, jQuery, ES5/ES6 to solve this. Please do not use a UI framework like React/Angular/Vue.
6. Once you are done with your code and ready to submit it, please add the following github handles to be able to access your repository: **eric-bv, wugalde19, Brian06, Steph3097, yodarjun**

Bonus Points

1. We love to share knowledge in the company. You'll get bonus points for adding comments in code and showing off your inspirations for clean code in the readme
2. Bonus points if you notice something in the design specifications that the QA document may have missed and you fix it. If you do, please create this as a separate commit in github and let us know what you fixed in the commit description.

If you have any questions please reach out to us.

APPENDIX:

The API will respond to any one of these following email addresses with valid data:

1. jonsmith@example.com
2. janesmith@example.com
3. doesmith@example.com

The API will respond to any of the following phone numbers with valid data:

1. 2125551234
2. 2125551235
3. 2125551236
4. 2125561234
5. 2125561235
6. 2125561236
7. 2125571234
8. 2125571235
9. 2125571236

For any other email address or phone number or if an email address or phone number is not passed in at all, the API will respond with an empty array.