Firmstep Developer Test
JavaScript

General Description

This is a coding test to replicate a real-world scenario for you to complete to the best of your ability.

Since there is no requirement for a database and server code, you will need to use the file **phones.json**, index.html (base template), to complete this task.

Scenario

We have been given a task to build a single page application to list and filter a collection of mobile phones;

1. Sony Xperia Z3
2. Iphone 6
3. HTC One M8
4. Galaxy Alpha
5. Nokia Lumia
6. Zte Nubia
7. Samsung Galaxy S5
8. Iphone 5S

Since the page loaded already contains the collection data as a JSON, you have been instructed to create a user interface to dynamically filter out the phones based on the requirements set below.
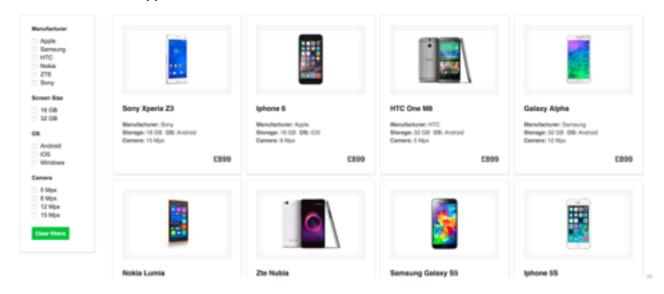
When a filter is applied, we want to see the page instantly update, and only show the phones that match the filters applied.

Therefore when **Samsung** is selected as a **manufacturer**, and **12mpx** for **camera**, the Galaxy Alpha will be the only phone displaying to the user.

Requirements

- No frameworks such as Vue.js, React, Angular, Backbone.js, Ember.js can be used.

- Libraries such as jQuery, lodash, bluebird.js are allowed to assist development, for such as templating, DOM manipulation, HTTP/AJAX requests, and event handling.

- Use the provided starting HTML and CSS.
    - The **index.html** will contain;
        1. Links to the CSS files and libraries required.
        2. Scripts to libraries you can use and the script to the JS file where we want you to place your code. **app.js (create many files as you require)**

- To use the data provided, make a HTTP/AJAX request to the provided JSON file in your JavaScript.
    - This will require you to use **Mamp**, **Xampp**, or a node package called **http-serve.**

- Filters
    - When no filters are applied, all the phones must be shown.
    - When at least one filter has been applied, only the phones matching the filters will be shown. i.e. Apple is selected
    - When the filters applied do not match any phones, a simple message needs to be shown to the user stating there are no phones matching the filter.
    - Required filters:
        - Manufacturer
        - Screen Size
        - OS
        - Camera

- Clear filter button
    - This button on click must clear the filters applied.
    - Therefore all the phones are expected to be shown right after the button is clicked.

- ES5 syntax is preferred.

- When the code is downloaded and tested on our test environment, we should be still able to run the JavaScript on the latest version of Chrome.

- Do not edit the JSON.

- You can edit the HTML, and CSS files. i.e. you are able to add HTML attributes to the index.html

- Upload the code to Github once the task has been completed. https://github.com/.

When no filters are applied.

When Apple is selected as a filter.