Arnold Clark - Front End Developer Candidate Technical Test

Last updated 10th July 2017

We would like to ask you to work on a technical problem to see how you approach development tasks. Please spend as much time as you need to, but it would be great if you could respond within a week or so.

What we're looking for
- use any frameworks, libraries, testing frameworks etc. of your choosing
- tested code
- no bugs
- clean code and good engineering practices throughout
- a good user experience on all device types

Overall though, this is a chance for you to show us what it would be like working with you so please use it as an opportunity to make us really excited about meeting you for an interview.

The task

- using the JSON download provided by data.gov.uk (https://data.gov.uk/dataset/national-charge-point-registry), create a map of electric vehicle charging locations in the UK
- show only charging locations that are free from access restrictions that do not require a subscription
- provide a way for the user to centre/zoom the map on a location through free key
- provide a way for the user to centre/zoom the map on a location through geolocation
- provide a way for the user to click on a map marker to get details of a given charging location
- show the device name, full address, whether or not it's 24 hour access, connector type(s) and payment details
- parse the JSON data to construct a form field that allows the user to filter the charging locations on a specific connector type
- provide a way for the user to get directions to a given charging location

Please note: If you wish to submit using GitHub, please keep the repo private and we'll ask for you to add one of our developers when ready to review the test. Otherwise, please submit compressed/zipped files for us to run locally.