DEPT

TECHNICAL TEST

Frontend Developer

1. THE OPEN AQ AIR QUALITY API

Using the accompanying pdf, we'd like you to recreate the design as closely as possible and to create functionality matching the requirements detailed below. You're free to use whatever technologies you want to complete the task (react, vue, vanilla etc.).

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2. FUNCTIONAL SPECIFICATION

Using the Open AQ Air Quality API, create a tool which allows the user to compare air quality across cities in the UK.

The API is free to use and keyless, docs can be found at https://docs.openaq.org/

- The search box is an autocomplete select input which should allow the user to search and select a city, from a list of options. These options should be filtered from a larger list of options, based on the current input.
- Upon selection of an item from the search box, a card should appear listing:
- The time the statistics were last updated in an easy to read format, e.g. “an hour ago”, “1 day ago”, “6 weeks ago” etc.
- The location name
- The city name and country
- The air quality values at time of retrieval, as detailed in the design
- Additionally, each card should have a remove call-to-action in the top right corner, which removes the card when clicked.

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3. DELIVERABLES

Please submit your source code so that we can review how you've built the tool. You are welcome to provide a link to a public repository, or simply zip up your source code and send this through.

Additionally, we expect a compiled distribution which can be run directly in the browser e.g. without having to serve from a task runner such as gulp/webpack. Alternatively hosting the files somewhere, we can view e.g. github pages.

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4. ADDIONTAL INFO

Fonts used in the design are open sans with iconography sourced from flaticon. We aren't concerned about your matching this precisely so any substitutes are fine provided they honour the general look and feel of the design.

This task isn't pass/fail, but an opportunity to demonstrate how you approach problem solving, how you structure your code and how you employ your chosen toolset to fulfil the requirements set out in the brief.

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