Software Developer

Technical test

Brief

The National Trust would like to have their properties' information pages (e.g. **here**) **display the weather in that property's location**. Their belief is that this additional information will increase the probability of users visiting a property. They are unable to make any changes to their website other than to add your JavaScript script to their site. In an ideal world they would like this A/B tested to understand the impact your changes make.

We would like you to think through how you would go about delivering this functionality within both the constraint of a single script and the constraints of the existing functionality available on the National Trust site.

- You are free to source weather data from wherever you would like, we previously recommend **https://openweathermap.org/appid** but they've cut down their free offering, so we've made our own mock endpoint – callable like so: **https://europe-west1-amigo-actions.cloudfunctions.net/recruitment-mock-weather-endpoint/forecast?appid=a2ef86c41a&lat=27.987850&lon=86.925026** this gives fake weather data that matches the format of openweathermap's **forecast endpoint**. **If you use an external service, make sure not to commit your API key!**

- Look at the current `localStorage`/`sessionStorage`, cookies, global JavaScript scope, etc. for data that might be helpful.

- Look at the Network tab in Dev Tools to see what's going over the wire, i.e., what you might be able to reuse.

- **Chrome code snippets** may be useful for easily adding your script to the National Trust site. But you can also just have your code in your favourite text editor and copy/paste it into the dev tool's console, refreshing the page if you need a clean slate.

To Deliver

- Any code* you have written (if you have compiled many scripts down to one, please give access to the underlying source files).

- A short overview** of your solution for a non-technical audience.

If you have any queries - from process to the spec - please contact your recruiter (if applicable) or **revops@goodgrowth.co.uk**.

You have 5 days post receipt to complete the exercise, but you are not expected to spend more than 3-5 hours on the task.

* please submit through GitHub, granting access to the users `sam-ac-dixon`, `nbrl` and `jabclab`

** the medium through which this is delivered is up to you