Frontend Engineer Task

Digital Barometer

Design and build a web application with real data that emulates an aneroid barometer for current conditions in Vilnius and Nida. The UI must include indications (graphical or text) of “stormy”, “rain”, “change”, “fair” and “very dry”. It also must indicate whether the pressure is rising or falling (this should be a calculated value).

The UI should have controls that allow to alternate data readings between Vilnius and Nida or show both. Every time the mode is changed, the data should be reloaded.

All other parts of UI should be your own interpretation (we may ask why).

Aneroid barometer image credit: https://www.flickr.com/photos/lwr/40661864902

Technical requirements

1. Use the programming language/frameworks of your choice
2. The web application should have a backend that serves frontend
3. Commit your code to a private git repository (where you will grant us access)
4. Provide build and run instructions so that an engineer without prior experience of your technology of choice can test the code
5. Write a few meaningful unit tests (running them should be a part of build)
6. Provide a Dockerfile to build a container image
7. Bonus points for creativity and showing off

We are very eager to see what you will build! Also, we value feedback, so if you like this task or see some errors, please let us know.