Developer Assignment

Problem Statement

Develop a weather application which displays current weather and forecast for a selected city.

Stack

- Frontend: Vue JS/ ReactJS
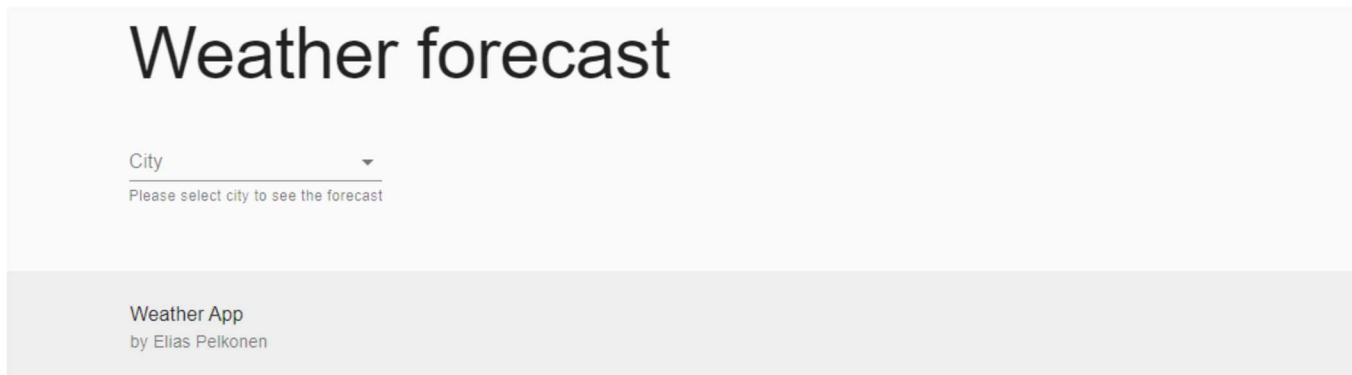- Backend: Node JS

Backend:

Create a HTTP server using Node JS and an API that can read requests from the frontend and pulls weather data from OpenWeatherMap API and returns response back to the frontend.

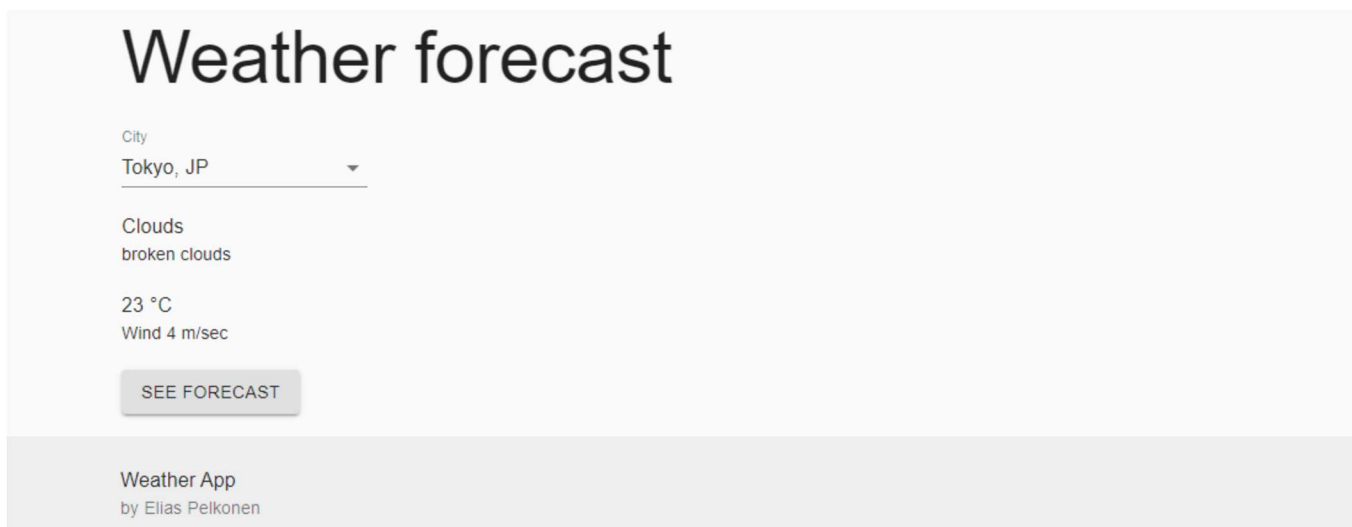**Note:** The frontend should not directly interact with OpenWeatherMap API.

OpenWeatherMAP API Key - 538882fc8387290c6cee83f313a6acf5

Frontend:

UI example (it is not a requirement, and you may come up with your own UI design and styles):

By default, only current weather is displayed for the selected city:

When a user clicks "see forecast", forecast loads for the selected city:

Current weather openweathermap API endpoint:
http://api.openweathermap.org/data/2.5/weather?id=[cityId]&appid=538882fc8387290c6cee83f313a6acf5

Forecast openweathermap API endpoint:
http://api.openweathermap.org/data/2.5/forecast?id=[cityId]&appid=538882fc8387290c6cee83f313a6acf5

JSON list of required cities with correct openweathermap city IDs:

```
[
        {
                "id": 6167865,
                "name": "Toronto",
                "country": "CA"
        },
        {
                "id": 6094817,
                "name": "Ottawa",
                "country": "CA"
        },
        {
                "id": 1850147,
                "name": "Tokyo",
                "country": "JP"
        }
]
```

Instructions for submitting the assignment

- Aim to spend no more than 2 hours on this task.
- Version control the code.
- Your design and code should be flexible to allow future extensibility.
- Code should be well structured and commented. Impress us with your code.
- Try using SCSS/SASS as much as possible.
- Nice to have unit tests on your solution.