

Assignment for Front-end developer (1/2)

E-mail with context and assignment

Hi there! How are you?

Thank you for your interest in our job opening. To test your technical skills, we'd like you to complete the below assignment and send back your solution within 24 hours of receiving it.

Once we receive your solution, we'll review it and get back to you within a week. If we like your solution, you will be invited for a VC interview where you can tell us what you did previously (your experience). If you also manage to navigate that interview, we will invite you for a final VC interview where you can tell us who you are (your personality). If all goes well, you will be joining us soon!

The assignment involves creating a front-end for a weather application using React. This application needs to show weather information of cities around the world. The main functionalities of the application are:

- 1 – Showing a map. The application must show a map and a button "Search".
- 2 – Adding a pin. The user should be able to place a pin on the map and click on the button "Search".
- 3 – Consuming an API. The application needs to call API considering the LAT/LON where the user placed the pin and search for the closest 15 cities (API: http://api.openweathermap.org/data/2.5/find?lat={LAT}&lon={LON}&cnt=15&APPID=<APP_ID>).
- 4 – Creating an app ID. Please sign up for an app ID (https://home.openweathermap.org/users/sign_up).
- 5 – Listing cities. The application needs to show the list of the city names and the user should be able to visualize more information about the city temperature.
- 6 – Selecting a city. When the user picks a city, the application opens a new window showing more details:
 - i. Name of the selected city
 - ii. Minimum temperature (Celsius)
 - iii. Maximum temperature (Celsius)

Next steps

Our technical team will review the solution, scoring the candidate on tools/frameworks used and conceptual skills demonstrated

Then, our recruiting contacts candidates with a decision for the next round, which will include questions about your approach

Assignment for Front-end developer (2/2)

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Once you're done, please send us a zip file containing all your code and a document explaining step by step the technologies used and how to run your code. We will evaluate:

- 1 – Best practices on how you design your solution.
- 2 – Software engineering principles: separation of concerns and architecture.
- 3 – Application usability and performance.
- 4 – The readme file explaining step by step the technologies used and how to run your code.

Thank you for your time and we hope you have fun!

Next steps

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Then, our recruiting contacts candidates with a decision for the next round, which will include questions about your approach