Thank you for your interest in joining Compass Interactive.

As part of our evaluation process, we would like to dive deeper into your technical skills, which you will need to build a Weather web app while adhering to the requirements as listed below.

We hope you find this experience interesting and engaging, we look forward to seeing your development. Happy coding!

Timeframe: 72 hours

Basic Requirements:

1. Must use the NuxtJS framework.
2. Design an interface for your web app.
3. Use https://openweathermap.org/api to get the current forecast data.
4. Implement a feature that gets the user's current location from the browser to get weather forecast data.
5. Create a list of drop down that enables users to select cities. (up to 50 cities of your choice)
6. The weather data should update according to the user selected cities.
7. Add animations / transitions where appropriate when changing weather cards/pages/cities.

Intermediate Requirements:

1. Implement a feature that allows up to five days weather forecast for each selected city, using the OpenWeather API.
2. Your weather app should show up to five default cities upon loading, rotated in a carousel/tab view.
3. Your list of drop down should enable users to type to search for cities.
4. Allow users to add and save cities of their choice and cycle within the same carousel/tab. Upon the web app is closed, saved cities still persist.

Advanced Requirements:

1. Your weather API should come from your own backend service (Nodejs, Expressjs, or any Nodejs based frameworks)
2. Your web app should be able to call APIs from your backend service
3. List of cities should be coming from your backend service, while paginated from your backend, 10 cities per page.
4. User added cities should be saved in the database of your choice.
5. Write a CI/CD flow for you project, using any free tools of your choice, popular ones are CircleCI, TravisCI, or Github Actions
6. Deploy your web app into GCP, Cloud Run

Optional

1. Both your frontend and backend is written using Typescript
2. Implement any unit testings

How to submit:

1. Your work should be accessible via Github, provide us a link to the repo
2. Provide a quick start guide on how to start the project locally.