

Appgain.io Frontend Evaluation Task

Task description :

Create a responsive weather dashboard that displays weather information for a given city. The dashboard should include a search bar where users can enter the city name and display a list of suggested cities retrieved from the API. The dashboard should display the current weather information for the selected city, including temperature, humidity, and wind speed. You can use any weather API such as OpenWeatherMap.

Requirements :

- 1 - The dashboard should be built using Next.js 14 or 15.
- 2 - It should be responsive, working seamlessly on both desktop and mobile devices.
- 3 - Implement a state management solution like Redux or Zustand to handle global state efficiently.
- 4 - The weather information should be displayed in a clear and easy-to-read format.
- 5 - The dashboard should handle errors gracefully and provide user feedback if the search fails.
- 6 - Use CSS Modules or Tailwind CSS for styling.
- 7 - The dashboard should be hosted on a platform like Netlify, Vercel, or GitHub Pages.

Bonus Points :

- 1 - Apply linting and formatting: Use ESLint and Prettier to ensure clean, consistent code.
- 2 - Type safety: Use TypeScript throughout the dashboard for robust type checking.
- 3 - Debounce search: Implement debouncing in the search input to reduce unnecessary API calls.
- 4 - Add a Geolocation Button to detect the user's location on click and update the UI with their city's weather.
- 5 - Dark/light mode: Add support for dark and light themes to enhance user experience.

Submission :

Please submit your solution as a link to a public GitHub repository containing the source code and a live demo of the dashboard.

Evaluation :

Your solution will be evaluated based on the following criteria :

- 1 - How well the dashboard meets the requirements.
- 2 - The folder structure, quality of the code, including best practices, maintainability, and readability.
- 3 - The user experience and design of the dashboard.
- 4 - The performance and responsiveness of the dashboard.
- 5 - The documentation and README file.

Deadline : Please submit your solution within maximum 3 days from the date you receive the task.

Questions : If you have any questions about the task, feel free to reach out to us. Good luck.