

Instructions for Frontend Developer Code Review

Weather Forecast App

The Quantum Insider

Requirements

Create a weather forecast React app with the following features (using any publicly available APIs)

1. User can select a continent, then a country, then a state, then a city from drop-down lists.
2. User can select a date from a calendar for which to show the weather forecast.
3. Date should default to today's date in case of no selection.
4. Location should default to *current location* if allowed to. May choose any default location if sharing location is not enabled.
5. Display current temperature with a capability to *switch the unit* from Celsius to Fahrenheit and vice versa.
6. Display weather condition (e.g. Rainy, Sunny, etc).
7. Choose the best way to remember user choices for date, location and unit.

Optional

- Display an icon for each weather condition.
- Display wind speed and other weather info (bonus for creativity with the UI).
- User can select a range of dates and return their average temperature, wind speed, etc.
- User can display temperatures for a selected duration as a bar or line chart.

Deliverables

- Source code (Github).
- Proper documentation in the code.
- README file with deployment instructions (preferably on Docker).
- Unit tests (doesn't have to be 100% coverage).
- After completing this task, we will discuss your code and your approach.

Note

This assessment is to see your coding practices in action and how you handle requirements. We understand that you may not complete 100%. The most important requirement is writing production-level code while focusing on the end goal.