Project – Weather App

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For this project, I developed a weather app using HTML, CSS and JavaScript, with other tools like:

1. Chart.js
   – Used in the creation of the graph
2. APIs:
   – Open Meteo API used for getting geographic coordinates and all the weather forecasts
   – Weather API: used for getting hourly weather data to be used in the graph
3. Geolocation API
   – Get the user's location

Recommendations and clarifications:

– It might take a couple of seconds for the information to process and for the result to appear
– Change the temperature unit before searching for a location. If you change the unit after you search, you will have to search for the location again.
– To switch between dark and light theme click the button in the top right corner wit either one of these emojis: ○ or 🌙
– The user gets a motivational message for today's weather as well as for the next week
– To be able to use the geolocation API you should have your location turned on
– For the app to function, you should be connected to internet

Feature	Max points
Well written PDF report	3
Application is responsive and can be used on both desktop and mobile environment	4
The application has clear directory structure and everything is organized well	2
Application works on Firefox, Safari, Edge and Chrome	3
User can search for locations	1

User can use his/her location GPS-coordinates (Geolocation API)	2
User sees the current weather at a specific location	1
User sees the forecast for the next 7 days	3
All the weather forecast elements uses icons (and numbers) for e.g. sunny and cloudy weathers	3
User sees the forecast for the next 24 hour, hourly based	3
The look and feel of the application reflects the current weather (e.g. it is blueish, when it is cold; reddish, when it is hot;, dark, when it is night…)	2
User has an option to switch between celsius and fahrenheit degrees and kelvins	2
At least two data/forecast providers are used : https://api.open-meteo.com/v1/forecast and https://api.weatherapi.com/v1/forecast.json	3
User sees simultaneously two forecast in a graph, e.g. there is temperature forecast for the next 24 hours and there are two lines telling how the data sources are providing (a bit) different data	3
User can switch between "light" mode and "dark" mode	2
The app gives the user a message based on the weather	1
User sees background gifs based on the weather condition	2
Total	40