Project work

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AI Declaration

I have used GitHub Copilot as the only AI system in this project.

Copilot has been used as/in:

- Autocomplete
- Implementation of Features
    - Was used to get correct data from JSON-objects
    - Temperature conversion
    - DOM structures
- Problem Solving
    - (Generating solutions of solving certain problems, such as background dimming)
- Bug Fixing
    - Some errors and background dimming had issues where it overrides styling after style had been set earlier.
- Ideation
    - How certain things could be achieved such as background color based on temperature

AI was used almost everywhere in my code, and it is not very clear which is my code, and which is AI generated.

Documentation

I made the 3rd project – Weather App. I made it with basic HTML, vanilla JS and Bootstrap. I used OpenWeatherMap APIs to get weather data.

User can look up locations with search that is done with OpenWeatherMap Geocoding API. When user chooses the location from dropdown menu it creates new API request with that fetches current weather data and displays information of weather to the screen.

Users can also choose to use their own location with Geolocation API. With it, it is possible to create API request of the current weather to OpenWeatherMap with the latitude and longitude information.

CSS files weren't created since most of the things were done with Bootstrap. The background color which is determined by temperature is however CSS, but it is written inside of JS code.

Points suggested:

Feature	Max points
Well written PDF report	3
Application is responsive and can be used on both desktop and mobile environment	4
Application works on Firefox, Safari, Edge and Chrome	3
The application has clear directory structure, and everything is organized well	2
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 24 hours, hourly based (It was not possible to make it hourly based if I don't pay. Now it is every 3 hours. Should work for hourly if data provided would be in the same form)	3
User sees the forecast for the next 5 days (It was not possible to make it 7 days if I don't pay. Therefore, it is now 5 days. However, the implementation should work for 7 days if the data provided would be in the same format.)	3
All the weather forecast elements use icons (and numbers) for e.g. sunny and cloudy weathers	3
The look and feel of the application reflect 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 the option to tag some locations as her favorites and thus access them from the favorite's menu	2
User has an option to switch between Celsius and Fahrenheit degrees and Kelvins	2
Bootstrap used for elements and tables	2
Total	**33**