

ITWP Project: Weather App

Overview

For the project, I chose project 3, Weather App. In the app, user can search for current weather, and weather forecasts from a location of user's choice. User can also check weather and forecasts from own location. User can choose the preferred unit, and the color of the app will change based on temperature.

The app has html file index.html, css file styles.css and javascript file basic.js. The weather api's used are OpenWeather, Weatherbit and Tomorrow. App is responsive and works with all common browsers.

Tools used

For the project, I used course material, YouTube videos about the subject and Stackoverflow. AI tools were not used in the development.

User manual

Type in a location of choice, choose wanted unit and press "Search". App will show weather and forecasts from that place. You can press "Use my location" to get weather and forecasts from current location.

Points proposal

- 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
- At least two data/forecast providers are used: 3
- At least three data/forecast providers are used: 2
- User sees the current weather at a specific location: 1
- User sees the forecast for the next 24 hour, hourly based: 3
- User sees the forecast for the next 7 days: 3
 - User can see the forecast for the next 5 days because of the api limitations
- All the weather forecast elements uses icons (and numbers) for e.g. sunny and cloudy weathers: 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
 - The colors change based on the temperature
- User has an option to switch between celsius and fahrenheit degrees and kelvins: 2

Overall: 34pts