



# **Internet Software Architecture**

## **INDIVIDUAL ASSESSMENT**

**Weather Application Prototype-1**

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## **Introduction**

In this individual assessment, we made a weather app which displays the name of the city, weather condition, temperature, weather icon, wind speed, pressure, and humidity of a default city. It shows the current date and time of the default city and allows us to search for other cities using search bar. We took in data from Open Weather API and used it to make our website dynamic.

## **Coding and Debugging**

This weather application is made by using HTML, CSS, and Javascript programming language. The accurate weather data was accessed through the Open Weather API. Proper code indentation and comments are structured throughout the whole code which helps to make the future updates more easier. I used Chat GPT and google to understand some codes like fetching the icon from the API. Here are the few strengths and weaknesses of my weather application down below.

### **Strengths of this application**

- Real time weather data is fetched from the Open Weather Map API which ensures accuracy.
- It has a user-friendly interface and can be used easily. The users can search in a city entry which has a search functionality.
- It can be easily updated for the comments for more information. Weather conditions with its icons provides a visual aid for better knowing of the current conditions.

### **Weaknesses of this application**

- Its aesthetics are kind of basic.
- It also lacks the interactive features for an improved user engagement which would have made it better. There are no additional data beyond the given essential ones.
- It is reliant on the API for all the information.

## **Conclusion**

This process of in creating the weather application has helped me to understand the process which is gone into the making of the program and the problems and errors which must be encountered such as the code errors when few changes are made. The proper indentation and adding the comments helps a lot to overcome that. It offered me the insights into the front end part of the web development, managing the time, also the design styles.