

# Weather Forecast App – Prototype 1

## **Submitted by:**

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## **Module Details:**

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Hello, I'm Swornim Sanjel and I'd like to introduce you to my Weather Forecast App which is designed by using HTML, CSS and JavaScript. This application is specifically designed to provide the real time weather details for any city we search for.

## Introduction

My weather forecast app is user-friendly, making it easier for the users to input the city name and get the current weather update of the entered city such as temperature, pressure, humidity and wind-speed along with date.

## Strengths:

The main strength of my app is, it's design is simple and user-friendly which ensures that the users can easily input any city name and get the weather update. The icons used in the app makes the information more relatable. The use of JavaScript features like `async` and `await` for fetching weather data makes the code more manageable. The app provides weather information

such as temperature, pressure, humidity and wind-speed. Another strength of the app is the inclusion of the current date which adds additional weather information, making the app more informative and user-friendly. Moreover, the error handling concept using try-catch will give a message if there is an issue while fetching data which ensures the user experience.

### Weakness:

Despite the strengths, there are certain areas where the app could be improved more. Firstly, while there is an error, the app does not provide a visually distinct error message. So, by adding a dedicated area to show the error messages would improve user experience. Secondly, the current setup doesn't check the city input well. Improving this can stop unneeded API calls and make the app more efficient. Thirdly, the CSS design could be improved more for it's better look and response like the display of icons, text alignment, colors and hover effects. Another point to consider is the absence of a loading indicator. Including that could make the user know that the app is being loaded. Also, visibility range

and weather updates for upcoming days can be added to make it even more user-friendly.

In conclusion, my weather forecast app has several strengths but has areas where it can get better.