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HERALD  
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**Internet Software Architecture**  
**(4CS017)**

**Prototype 1 Report**  
**<Weather App>**

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# Introduction

In my weather app prototype 1, the HTML document consist of various section. The header displays the app tittle, “WEATHER APP”, along with a search bar container where user can enter the name of city, they want to get information for.

## Prototype 1

In my weather app prototype, I have implemented the default display of weather information for the assigned city, which is Hoshairpur. I have added css code to make it look Preeti and added js code to fetch the data. To implement the search functionality and look appealing , I added JavaScript code and css.to display the accurate data ,(API)Application programming interface of “openweathermap” was used to fetch the data.

The website displays the real time weather, time , humidity, wind\_speed and pressure of the particular city, along with the city’s name.

## Strength

The information fetched by the weather app and show ls the real time weather of the particular city. The weather app user interface ls minimalistic and user friendly . the data is fetched from the api which makes it easier to make the weather app and is accurate.

It is the first prototype and has room for many improvenemts and updates.with the help of api in the short span of time a big software was prepared.

## Weakness

On the particular prototype there is no local storage to store the past data and cannot be accessed offline .it is comparatively slower than other weather map. It don’t have the voice assist like google maps .it is completely depend upon the openweathermap api, it is a free server because of that the response time is slow ,and cannot compare two cities weather data at the same time. Lastly the app can be accessed only in browser and cannot be accessed in mobile or small screen.

## Conclusion

Summary, the first prototype can only display the information of the desired city. It utilizes the OpenWeatherMap API to fetch real-time weather data and present it in user-friendly manner.