Prototype-2 (Weather app) Report

This prototype 2 (weather application) is an improved version of prototype 1. This protype also uses web-based API named Open Weather API to obtain the necessary data needed to be displayed using ". fetch ()" in PHP but last time we only used JavaScript. One of the reasons behind using PHP is to store and retrieve data from MySQL database.

Strength of this Prototype

This weather app provides reliable current weather data but not just displaying data it also stores weather data from different time period. this weather app uses a reliable weather API source so the results we obtain are pretty accurate. In this weather app it doesn't allow for frequent API calls. Also, as I have previously mentioned this weather app uses MySQL due to which we can retrieve data from local database in a scenario where the API fails to load the data. As this weather app doesn't allow for frequent API calls it takes less time to load the data. This prototype can store raw data from API into MySQL database and present it in user-friendly manner. This prototype displays temperature, wind speed, humidity, pressure, also temperature maximum and minimum.

Weaknesses of this Prototype

Although this is an improved version from the previous prototype it still has a lot of lot of weaknesses in this application too. But no matter what there is always going to be weaknesses in any application. This application is still a prototype so it still has a lot of limitations. As before this prototype also shows the weather of a specific city. And my weather application is not much interactive with the user and it can only do is load the data of a specific city and display it to the user. This app only shows some simple data but for users looking for more detailed weather information would definitely have dissatisfaction with this application. Also using more tools of php resulted in poorer performance of web application.

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