Internet Software Architecture

ASSESSMENT- Prototype 2

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Acknowledgement

I firstly like to thank my module leaders to give me this opportunity to create a weather app by myself. I've faced many difficulties while preparing this web application but I also have overcome my difficulties by researching and learning from different platforms.

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Abstract

This report shows the strengths and weakness of the weather app that I prepared for prototype 2 of internet software architecture. I faced many difficulties while preparing this web application. I have overcome my difficulties and learnt many things from it. The web application shows the temperature in Celsius which is being fetched through the open weather api in my created database and fetched the data of the database through the php and displayed the live weather and the seven days stored data of the city. It also shows the humidity, wind speed and pressure of the given city.

Introduction

My name is Krishal Maharjan and I am a student of Herald College Kathmandu studying B.sc(hons) Computer Science. I have prepared the weather app and I am going to submit my Prototype 2 which contains default city name's weather forecast. I have tried my best to keep it simple and meaningful. I fetched the API of live weather through OpenWeatherApi in php and stored the data in the mysql database and also displayed the particular data and the seven days weather in my weather app. I faced many difficulties doing this assessment but I also learned many things from it such as fetching a live api, many php inbuilt functions and many more.

About my Weather App

I have made a box which contains three categories of box, one box to search the city and display temperature, another to display humidity, pressure and wind speed of that city and another container containing the seven days weather data. My given default city name is Kurnool so I displayed the weather of the Kurnool city which I fetched from open weather api in php and fetched that php api in the JavaScript. I have also made a search bar to search any city present if the user enters incorrect city name it will throw an alert error. The seven days data will only be displayed if the data of the city is present in the database. I've used laragon server for the php.

Strength of my Weather app

- Simple and understandable.

- Can search and display any city if present the API server.

- Displays Wind speed, humidity and pressure of the city.

- Displays the temperature in Celsius.

- I've kept global images which can be displayed in any devices.

- The searched data will be stored in the database and will be displayed in the website.

Weakness of my Weather app

- Cannot provide the information of seven days data which is not stored data in the database.

- Doesn't have any animation.

- Website won't run if there is no internet access.

- Laragon must be started.

- Cannot provide the seven days data if the new city is being searched for the first time.

Conclusion

In conclusion, creating this weather app for my coursework was a great experience. I've learnt many things from this coursework, it enhanced my practical skill on Html, CSS, JavaScript, PHP and Mysql database. For further completion of my prototype I will be making this web application better by adding more features in it.