Student Name = Inkesh Gharti

Student ID = 2060350

Group = L4CG7

Strength and Weakness of my Weather API (Prototype 2) are as follows:

Strength:

1. It gives the weather data like temperature, wind speed, cloud, pressure, humidity and icon. If Bolton citizens want to go out of their house.

2. It gives the exact climate data of Bolton city.

3. It also shows the icon as the clouds percentages.

4. It only shows the weather data if clicked in button which provided to users.

5. It is flexible on a Mobile device as well.

6. I have created own client side Server for fetching the weather data from the MySQL server database.

7. The weather data will show to the user in the interval of given time 10 hours. We can also use 1 Hour for a time interval. If weather data is not present in this interval of time. In addition, it will extract the climate data from Open Weather API and store it in MySQL. Then show to the user via our client-side API.

8. If the PHP client server is off then, it will show the saved data in local storage. To the user or client.

Weakness:

1. It depends upon whether AIP for weather Data.

2. Until we turn on the MySQL and PHP servers, the data fetched by the JS from the API is undefined or sometimes shows an error.

3. To show weather data to use, we need to run the PHP server and XAMPP to display data. Also, store weather data in local storage. Thus, data is saved to the local storage of the client browser (device).

4. It will take more time to evaluate or load the script.

References

Au-Yeung, J., 2021. *The Web Dev.* [Online]
Available at: https://thewebdev.info/2020/04/03/use-localstorage-to-store-data-on-the-browser/
[Accessed 19 8 2021].

Chavan, Y., 10/26/2020. *dev.to.* [Online]
Available at: https://dev.to/myogeshchavan97/how-to-easily-create-and-host-your-own-rest-api-without-writing-a-single-line-of-code-2np4
[Accessed 8 8 2021].