My weather app

Being the student of Herald College Kathmandu we are able to making our life better and better. We are learning so many things and they all are interesting though. This documentation is all about the prototype 1 which is on the topic of Weather app. This belongs to the module “Internet Architecture Software”. After finishing week 5 we are here to complete this project.

In this prototype, we have given a specific task i.e. making a weather app using the knowledge of HTML(Hyper Text Marked Up Language) and JS(JavaScript)which are learned from week 1 to week 4. Also, we are requesting to make a UML diagram of this prototype which we have learned recently in week 5. In this project we all the students have given specific city name for each and have to display the weather of respective city like temperature, humidity, clouds, pressure, etc. Thus, below in the documentation I am writing how I have done this project and what are my weakness and difficulties while completing this task.

For coding, I have install VS code because it has own emit abbreviations which helps us in coding. As this is not so hard project it is done simply within a short period of time. I have a two file i.e. one is index.html and another one is app.js. In file index.html, firstly I write the formal html format. I have named the title as “My weather app”. In body tag, I made a header and in that I have made a class container. In the class container, I have defined all the components of weather like temperature, humidity etc in a paragraph. And lastly, I have linked my app.js file in html file using the script src tag. This much is done in my index.html file.

Now, in app.js I have done all the main function of this app. In our course we have to how to fetch API so with that knowledge I also done fetch weather app API. For this, firstly I login in the weatherapp.org website and get my API keys freely. Then I copy the URL of weather API having city name. In this task, I need to find the weather of “Portsmouth” so I fetch it in the city name. After all I have given the response of promise. For this I have convert response strings to JSON objects. At the starting of app.js file I have used querySelector to select the components of weather. And now I have input the API data giving with certain forms in those variable components using .innerHTML. Lastly, I also display the error in alert using the .catch(err=>) attribute. Furthermore, for the UML diagram I have done using the linked given in the Google classroom by our respective modules teachers(Visual Paradigm Online).

Thus, this is my code for my project weather app. I run it using the live server extensions of VS code through chrome browser. Talking about the completion, as many of the code are all learned from our weekly lecture, tutorial and workshop classes. And similarly, I followed the assignment guide thoroughly from the Google classroom which helps me a lot to know my queries as there mention all the steps of html and JS code.

At the conclusion, I will tell the strength and weakness of my app architecture. The strength of my app is it will give every second updated data of components of weather of Portsmouth city. As I am using the weather app API so through the help of it the data are updated in every second. Now, the weakness of my app’s architecture is it is made only for a city. It can’t give the weather information of other cities. Also, I haven’t used CSS so it looks quiet less attractive.

Here, I have completed my prototype 1.