Weather App Report:

This report illustrates a weather forecast app by using HTML, CSS and JAVASCRIPT. Firstly, I have used an open weather API to get present weather data by using a unique API key. Weather application is the necessity in daily life of people in the modern technology. To run this kind of application client-server architecture forms the solid backbone. Client-server architecture helps to access all the communication data from client to server and server to client.

Strength:

My weather is based on open weather api, I have generated the weather data by using a unique api key. My weather helps user to access weather data efficiently and provides user updated weather data. This app is easy for the user to access the data. This app has the simple design which I think every user can understand the user interface. My weather shows city name enter by the user, and also gives user other data like temperature in degree celsius, humidity, pressure in hpa, wind speed in kmh, main weather condition, direction in degree, weather condition and mainly shows date and day in the weekly format. Input field and search button is added to help user to search the desire city they want. If anyone enter a wrong city name then it will display the undefined. Default Biratnagar city is also added in which data is shown while user open for the first time. If user didn’t enter a city and run without entering a city name then it will display the default city data. With the help of JavaScript, the user input is directly display in the UI by the access of response function.

Weakness:

The main disadvantage of this weather app is server. I have used a third-party server to access the weather data. In case the server of open weather api might get down some day, in this case my app will not response the user request data. I have used only English language that is not helpful to those who does not understand english. The user cannot access my app through mobile phone which I think as a major drawback. User needs to be online to use my weather app where as in remote area it cannot display the correct weather data. This app may not be user-friendly who mostly used mobile in their daily life. My app cannot handle the thousands of users at the same, if tries to access then my server data maybe crashed. This app cannot retrieve live location weather data and cannot assure my user for the secure connection. This cannot show the hourly and weekly which may not be friendly with user.

In conclusion, my weather app provides the limited numbers of data. It also shows the default city as Biratnagar and display data as required. This report moto is to let know the relation between the server and client. This report will help to know what data are taken from the third-party api and helps user to get the weather details of their input city. I think this is the early weather app development has a limited feature.