



**REPORT
ON
*Weather Forecast***

By:

Name: Kamal Dhital

Student ID: 2407046

**An Individual Weather Report
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1. Introduction:

Are you waiting for the answer of your questions – like how this weather forecast site accurately shows the weather data – or how it looks like – or how the app works – or how the structure of this application looks like, then let's see the answer of this question together. Using the API key of the OpenWeatherMap, I fetch the accurate data and I myself create my own API key by inserting the data into the database and fetching the data from the database. Furthermore, I setup the local storage for the user to see the latest fetch data when there is no internet connection. Diving towards the next question how it looks like, definitely this site has some responsible design but somewhere it lacks it. The structure of this app looks like simply where the data is fetched from the API key when there is no data available in the database, fetching data from the database when there is no data in the localstorage and from the localstorage the data is shown. I hope this will clear all your questions about the Weather Forecast.

2. Strength:

Taking about the strength of this website, in a short period of time, I create a such website which show the real time data to the user and show the latest data stored in the localstorage when there is no internet available. The accuracy of the data with the Cross-Platform compatibility is also another main feature of my website. Showing the data to the user without disturbance of advertisement is also another strength of my website. Having easy interface make the user to visualization the data. User can easily visualize the data of another location using our website search function. In the world of digital and technology data is the main privacy and I am happy to share this thing to our user that your records are not kept so feel free to use our website without having the fear of data stealing or privacy hampering and we are not using any subscription costs too.

3. Weakness:

Moving towards the weakness of this website, the competitor of big company uses voice command for the user to search the city, this function lack in my site which is the main weakness that I found in my site. Such kind of more function are lackable in my website which is the weakness of my site. We only support the one language which is not the good things for the user who don't understand the English language. We are not using the prediction functionality to predict the future weather and this is the bad thing for our users who watch the weather detail before going outside.

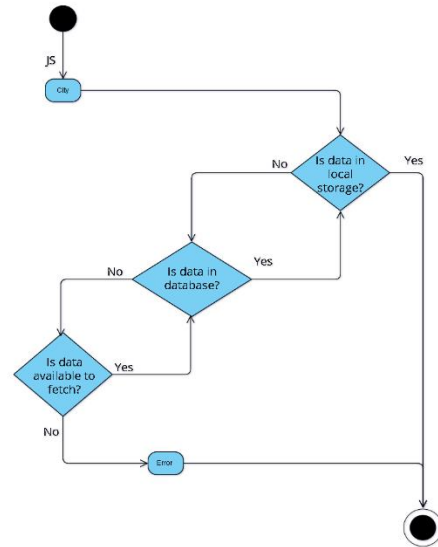
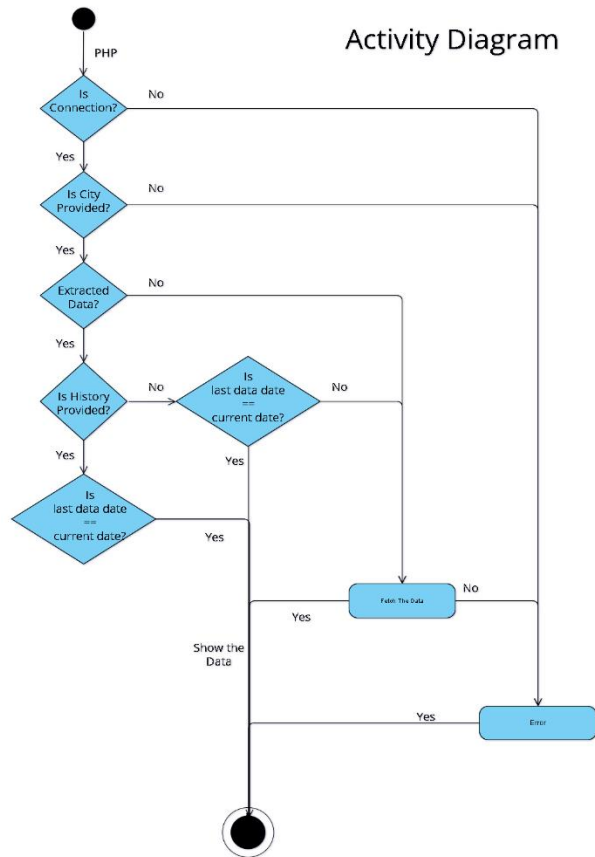
4. Conclusion:

At last, having some of the weakness and our strength makes our site better for the user to use it without having the fear of any data stealing or something like that. I hope this will reports help you to understand in which part our website is helpful and in which part it is helpless.

(URL: <https://kamaldhital2407046.000webhostapp.com>)

5. UML Diagrams:

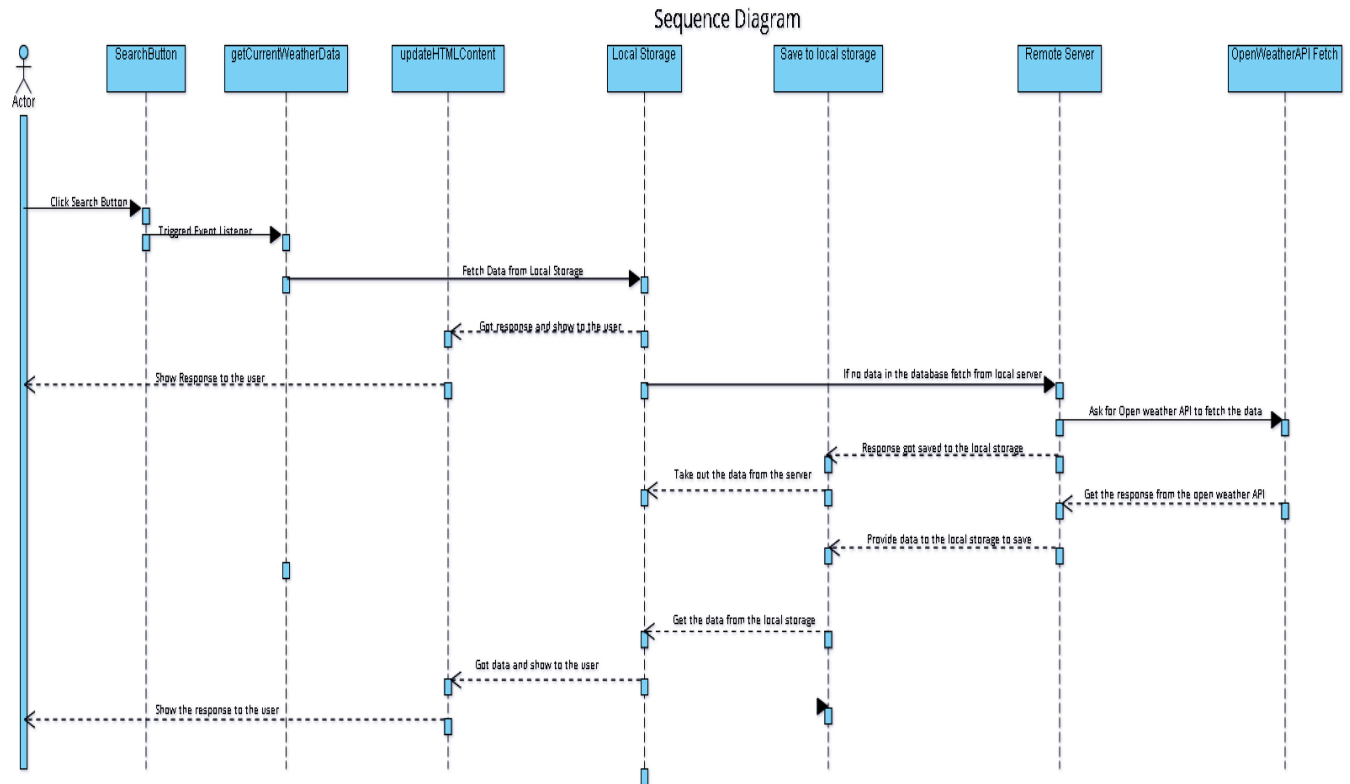
1. Activity Diagram:



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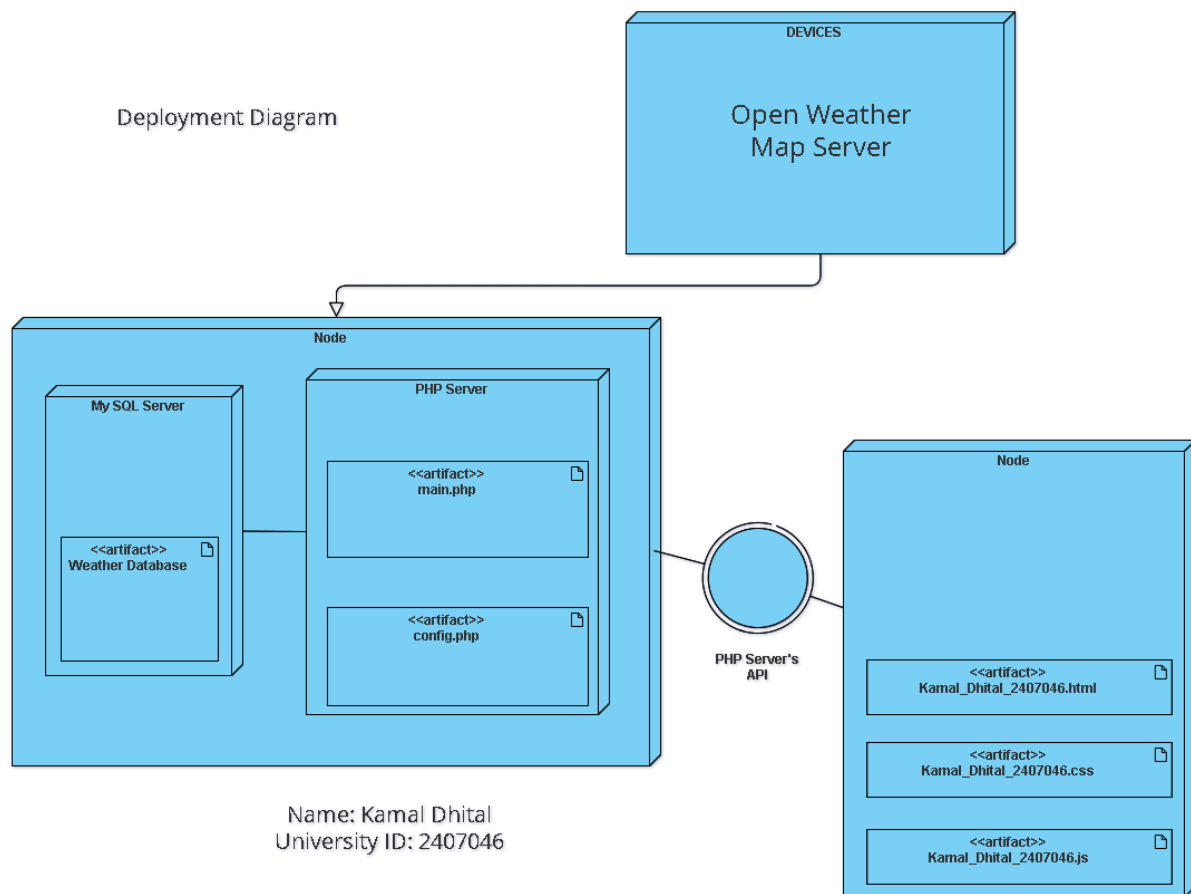
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2. Sequence Diagram:



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University ID: 2407046

3. Deployment Diagram:



6. Weather APP Images:

