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Report Writing regarding the second prototype of the Weather App

In this report, I will be talking about the second prototype of the weather app that I constructed. This new app is a more efficient system that utilizes MySQL to store the data and PHP to fetch the data. It retrieves the latest data every hour and shows the old data when the new data is not being retrieved.

The main advantage of this application is that it does not request the open weather API frequently due to which the loading time is decreased a lot. If needed we can also retrieve the previous weather data using the MYSQL database. They may be times when we are not connected to the internet and so this prototype 2 weather app can even display the data which had been previously fetched when the device was connected to the Internet.

Just like how there are always two sides of the same coin, there are always benefits and demerits of everything. So, there are also disadvantages of this weather App. The first and foremost disadvantage of this weather app is that only the data that are retrieved from the PHP file can be displayed in the weather app the data loads slowly. Every time the given interval times ends, the data is early re-retrieved from the open weather API due to which the load time of the weather increases greatly. The weather may change suddenly within the given interval of time and since this app does not fetch the data from open weather API frequently, the data may not be accurate on the loading time. The weather data of just one place is shown. Icons do not show up when it is not connected to the internet. Users cannot see all the weather data from the console because we have stored limited data in the database.