

the strengths and weaknesses of my app's architecture

The project I made is weather app is a web-based application. The weather app provide the user with real time weather information for specified weather. This report is about is about the strengths and weaknesses of my Weather app .

introduction

the weather app is made my using Html, CSS and JavaScript coupled with interaction with openWeatherMap API. The user input the locations of the place and click on search button upon receiving user input , the app communicates with the open weather api to retrieve weather data and the retrieved data and presentation to the user

the strengths

1. Asynchronous data fetch

The project I made is uses asynchronous JavaScript. which the application enable to fetch weather data from the apl without blocking the user interface.

2. Easy to use.

The best strength of my project is that it is easy to ues. I made my ul clean and use to use. where we can just. The project is user friendly , clear ,sequential manner.

e app incorporates responsive design principles, ensuring optimal user experience across various devices and screen sizes.

3. Error handling

The basic error handling mechanism are in place to manage exception during API requests.

Weaknesses:

Security vulnerabilities

The apl is key directly embedded into the user-side code pose a security vulnerability as it exposes the key to potentially misuse.al requests secretly would mitigate the this vulnerability.

data presentation

While the app provides essential weather information, it could benefit from including additional data such as weather forecasts and historical trends. Enriching data presentation would enhance the app's utility and user engagement.

Limited error handling and feedback

While the app handles basic errors, it lacks userfriendly error messages or feedback to inform users of issues such as network errors or invalid inputs. Providing informative error messages would enhance the user experience and help users troubleshoot problems effective.