

4CS017– Internet Software Architecture

Strength and Weakness of App Architecture

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The architecture of my weather app has crucial in adapting a responsive user interface. by applying The Open weather map API key, the web application collects and display the real time weather information for any city around the world entered by the user. the app guaranty client-side remain lightweight and focus on presenting weather information in an organized eye-catching appearance. It also allows application to run on any computer system with a web browser and an internet connection., moreover, the app doesn't even need maintenance as API automatically boosts the app without requiring changes to the client-server code, and guarantees the system can handle a huge amount of user with accurate information.

However, despite its strengths, the web application dependency on app architecture presents some challenges including the API keys with Java script files creates a security thread because of the easily accessible of source code leading to unauthorize use. More over the application lacks of advanced error handling scenarios for the limitations in the API key for invalid input or an interruption of internet connection meaning the application could not function offline. these issue point to the need for technical improvement including the API key to reduce security risk and implementing more compressive error management to enhance system stability.