The Weather Forecast App

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**Abstract**

Weather Forecast App is a complex invented tool which aim on providing accurate and timely weather information to the users. It provides users with current weather conditions, forecast for the day, storms, and hurricanes notifications, and AQI values. Thus, using the data of several trusted meteorological resources and using complex calculations for their fans, the application provides the audience with the most accurate weather forecast possible. Through the app, users can ascertain information such as the temperature, humidity, wind speed and atmospheric pressure of a place at a particular time and hence assist them in arranging their calendar. The forecasts of it daily provide temperature high and low, precipitation probability, and wind outlook for the prospective days so that one can plan for the events and activities that are to happen in the ensuing days. Regarding the user security the Weather Forecast App has a symbol of adverse weather conditions such as storms or extreme temperatures, which informs users of upcoming unfavorable weather conditions. This enables the users to make precautions as per the risks that are around them and their property. Also, it combines AQI readings which are critical for people with respiratory problems or for those who are preparing to spend time outdoors. Under the AQI feature, users get the real time air quality status thus making them more aware of the dos and don’ts in case of an outbreak.

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