

PRODUCT REQUIREMENT DOCUMENT

PURPOSE OF THE PRODUCT:

The purpose of a weather app is to provide users with accurate and up-to-date information about the weather conditions in their current location or any other location they are interested in.

ACTION/USERS:

- 1.Outdoor Enthusiast: They rely on weather forecasts to plan their outdoor adventures and ensure their safety.
- 2.Traveler: This user frequently travels for work or leisure and requires weather information for their destinations. They need to know what to pack and how to prepare for different climates.
- 3.Gardener/Farmer: They rely on accurate weather forecasts to determine when to plant, water, or protect their crops.
- 4.Event Planner: They need weather forecasts to make informed decisions about scheduling and logistics.
- 5.Airline Passenger: This user travels by air frequently and relies on weather information to anticipate any potential delays or disruptions to their flights.
- 6.Health-Conscious Individual: This user has specific health concerns related to weather conditions, such as allergies, asthma, or heat sensitivity

FEATURES:

Current Weather Conditions: Display the current temperature, humidity, wind speed, and direction at the user's location or a specified location.

Hourly and Daily Forecasts: Provide forecasts for the next few hours or days, including predicted temperatures, precipitation chances, wind conditions, and other relevant weather details.

Extended Forecasts: Offer forecasts for an extended period, such as a week or even a month, giving users an overview of expected weather trends.

Location-Based Weather: Utilize GPS or user-inputted location data to provide accurate weather information specific to the user's current or chosen location.

Multiple Location Support: Allow users to save and access weather forecasts for multiple locations, ideal for travelers or those interested in weather conditions for different areas.

Weather Widgets: Provide customizable widgets that users can add to their device's home screen, displaying essential weather information at a glance.

DEPENDENCIES:

When developing a weather app, you may need to consider various dependencies to ensure the app functions properly and provides accurate weather information. Here are some common dependencies in a weather app

1.Weather Data API: Weather apps typically rely on third-party weather data providers or APIs to fetch current weather conditions, forecasts, and other weather-related information. These APIs provide access to real-time and historical weather data, including temperature, humidity, wind speed, precipitation, and more.

2.Geolocation Services: To provide location-based weather information, weather apps often depend on geolocation services. These services use GPS or IP-based location detection to determine the user's current location or allow users to manually enter a specific location.