SkyScan - A desktop weather application

Project:

SkyScan - Reading between the clouds for you!

SkyScan is a simple software application developed to provide users with real-time weather information and forecasting capabilities in a user-friendly desktop environment. This application leverages Java programming language and integrates various APIs to fetch and display accurate and up-to-date weather data.

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Steps:

- Weather API: OpenWeatherMap (https://openweathermap.org/api)

- JDK: Eclipse or IntelliJ IDEA

- GUI: JavaFX

1)User-Friendly Interface:

SkyScan application offers an intuitive and visually appealing user interface, making it easy for users to access and understand weather information effortlessly.

2)Real-Time Weather Data: Utilizing reliable weather APIs, the application fetches and displays real-time weather data, including temperature, humidity, wind speed, and atmospheric conditions.

3)Location-Based Forecasting:

Users can input their location or choose from a list of predefined locations to receive accurate and location-specific weather forecasts. This application ensures precise and personalized weather updates.

4)Graphical Representation:

When the user enters the location to fetch weather data, the temperature is displayed along with images of clouds and climate conditions.

6)Customization Options:

The application allows users to customize their weather preferences, such as units (Celsius/Fahrenheit) ensuring a personalized experience for each user.

8)Historical Data Analysis:

Users can explore historical weather data for a specific location, enabling them to analyse trends and patterns over time.

9)Offline Mode:

The application works in offline mode, allowing users to access previously fetched weather data when an internet connection is unavailable. This feature ensures functionality even in low-connectivity scenarios.