Geeting weather application

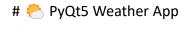# 🌥️ PyQt5 Weather App

A simple and elegant weather application built using **Python**, **PyQt5**, and the **OpenWeatherMap API**.
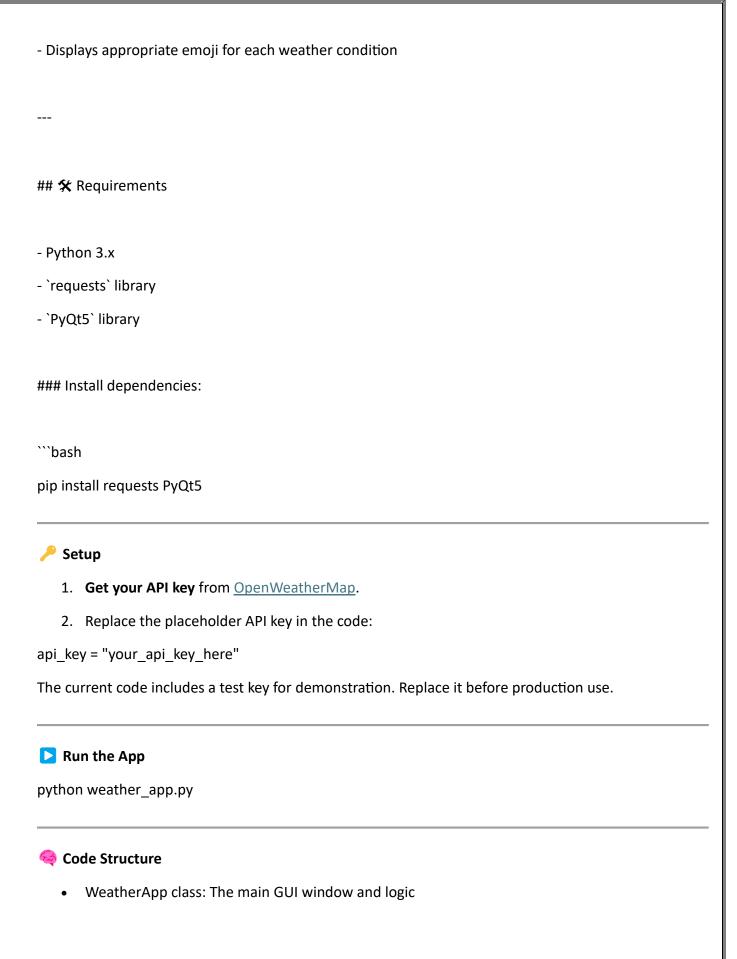
It allows users to input a city name and receive real-time weather information including temperature, a descriptive emoji, and a short summary of the weather condition.

📸 Preview

- Users enter a city name.

- The app displays:

  - 🌡️ Temperature in Fahrenheit

  - ⛅ Emoji based on weather condition

  - 📋 Description of the weather

🚀 Features

- Real-time weather fetching via [OpenWeatherMap](https://openweathermap.org/)

- Clean, styled PyQt5 GUI

- Error handling for network and API-related issues

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- Displays appropriate emoji for each weather condition

🛠 Requirements

- Python 3.x

- `requests` library

- `PyQt5` library

Install dependencies:

```bash
pip install requests PyQt5
```

🔑 Setup

1. **Get your API key** from OpenWeatherMap.

2. Replace the placeholder API key in the code:

api_key = "your_api_key_here"

The current code includes a test key for demonstration. Replace it before production use.

▶️ Run the App

python weather_app.py

🧠 Code Structure

- WeatherApp class: The main GUI window and logic

- get_weather(): Handles API call and error management

- display_weather(): Updates the GUI with weather data

- get_weather_emoji(): Maps weather condition codes to emojis

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❗ Error Handling

Handles:

- Invalid city names

- API key errors

- Network issues

- Server timeouts

- Specific HTTP error codes

📄 License

This project is open-source and available under the MIT License.

✨ Author

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