
Project Details

Project Name:	Weather App (API Integration)
Assigned To:	Ramasai Naga Kurapati
Due Date:	2025-04-01

Description:

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The **Weather App** is a web-based application that allows users to **check real-time weather updates** for any location. The system fetches weather data from a **third-party weather API** and displays details like **temperature, humidity, wind speed, and weather conditions**. It will be built using **PHP, Bootstrap, and API integration** for a dynamic and responsive experience.

Features to Implement

1.

Search for Weather by City

- Users can enter a **city name** to retrieve real-time weather data.

2.

Weather Data Display

- Show key weather details:
 - **Temperature (°C/°F)**
 - **Humidity**
 - **Wind Speed**
 - **Weather Conditions (Sunny, Cloudy, Rainy, etc.)**

3.

API Integration

- Fetch weather data using a **Weather API** (e.g., OpenWeatherMap, WeatherStack).
- Parse and display API responses dynamically.

4.

Responsive UI (Bootstrap-Based)

- A clean and mobile-friendly design for easy weather lookup.

5.

Error Handling

- Display **user-friendly messages** if the city is not found or if the API fails.

6.

Security Measures

- Validate user input to prevent **invalid requests**.
 - Secure API calls to avoid misuse.
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