
Project Details

Project Name:	Weather App (API Integration)
Assigned To:	Reddi Vivek
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. It integrates with a third-party **Weather API** to fetch live weather data and display essential information such as temperature, humidity, and weather conditions. This project will be developed using **PHP, Bootstrap, and API integration** for a **dynamic and responsive experience**.

Features to Implement

1.

Search Weather by City

- Users can enter a **city name** to fetch weather details.

2.

Weather Data Display

- Show real-time weather details including:
 - **Temperature (°C/°F)**
 - **Humidity**
 - **Wind Speed**
 - **Weather Condition (Sunny, Rainy, Cloudy, etc.)**
- Display weather **icons and descriptions** dynamically.

3.

API Integration

- Use a **Weather API** (e.g., OpenWeatherMap, WeatherAPI) to fetch live data.
- Parse and display JSON data from the API response.

4.

Responsive UI (Bootstrap-Based)

- Mobile-friendly design with a **modern weather-themed interface**.

5.

Search History (Optional)

- Store **previously searched locations** for quick access.

6.

Database Management (Optional)

- Store **user preferences and search history** in MySQL.

7.

Security Measures

- Validate user inputs to **prevent invalid requests**.
 - Secure API calls to avoid misuse or unauthorized access.
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