**Activity 4: Weather Forecast Web Application**

This project is a Weather Forecast App that displays real-time weather information for any city using data fetched from the OpenWeatherMap API through a NestJS backend proxy. It shows the current temperature, weather condition, and dynamically updates icons (sunny, rainy, cloudy, etc.) based on live weather data. The React frontend provides a clean and responsive interface, where users can easily search for a city and view its weather detail

## 

## **How to Run**

### **Backend**

* cd backend
* npm install
* Create a .env file inside the backend/ folder and add the following:

PORT=3000

OWM\_API\_KEY=247d907884ef8b64917db501e7a46ff8

DB\_HOST=127.0.0.1

DB\_PORT=3306

DB\_USER=root

DB\_PASS=

DB\_NAME=activity 4

* npm run start:dev
* Once running, the backend will be available at:

<http://localhost:3000>

* To view the Swagger API documentation, open:  
   http://localhost:3000/api/docs

### **Frontend**

* cd ../frontend
* npm install
* npm start
* The app will open automatically in your browser at:

http://localhost:3001

**API Endpoints**

● GET / city

**Submission Links**

Backend: <http://localhost:3000>

Frontend: http://localhost:3001

Swagger:http://localhost:3000/api/docs

GROUP MEMBERS:

Abelita, Czyrell Gwen R.

Aranzasu, Darryl Jedidiah A.

Aranzasu Darrylene Kaela A.

Gangan, Demrose Carla C.

Moral, Andrie B.

Relox, Nathaniel