

BÁO CÁO THỰC HÀNH

Môn học: Lập trình mạng căn bản

Assignment 5

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BÁO CÁO CHI TIẾT

- Chúng ta vào trang web OpenWeather để lấy api được ung cấp về dự báo thời tiết :

OpenWeather

Weather in your city Guide API Dashboard Marketplace Pricing Maps Our Initiatives Partners Blog For Business

timestamp, Daily aggregation, Weather overview) and make an API call according to relevant tech documentation section, remembering to add your key to each call.

Current and forecasts weather data

To get access to current weather, minute forecast for 1 hour, hourly forecast for 48 hours, daily forecast for 8 days and government weather alerts, please use this section of the documentation.

If you are interested in other functionality on One Call API 3.0, please check [Product concept](#) to follow the right section.

How to make an API call

API call

```
https://api.openweathermap.org/data/3.0/onecall?lat={lat}&lon={lon}&exclude={part}&appid={API key}
```

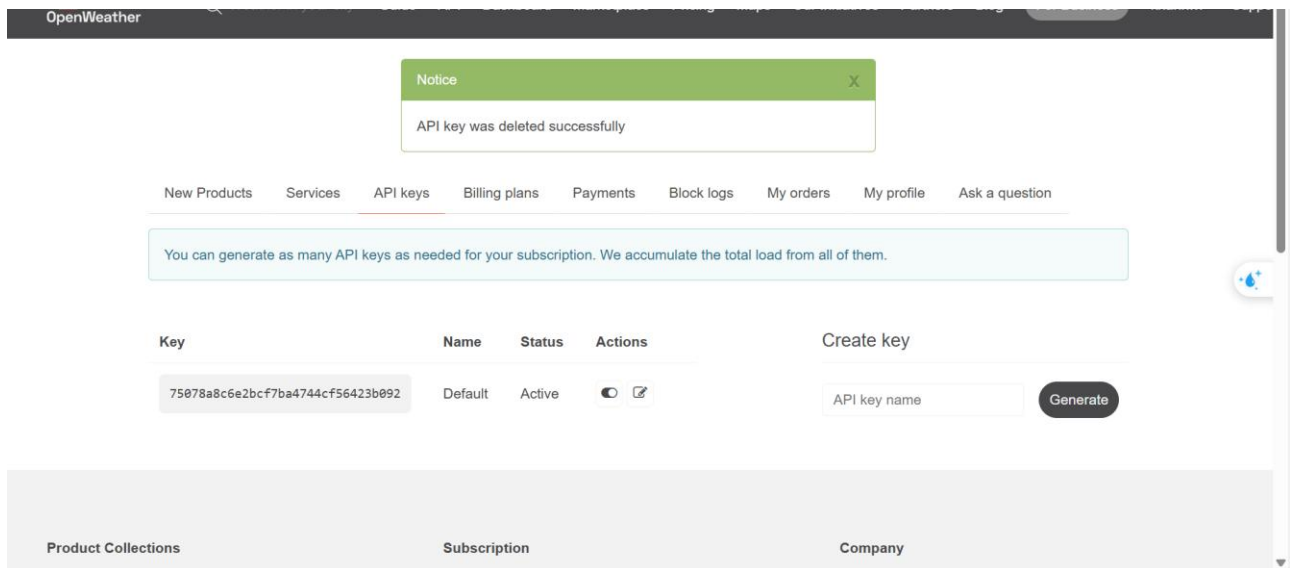
Parameters

lat required Latitude, decimal (-90: 90). If you need the geocoder to

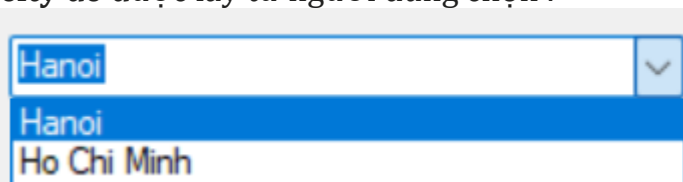
Product concept
How to start
Current and forecasts weather data
How to make an API call
Example of API response
Fields in API response
Weather data for timestamp
How to make an API call
Example of API response
Fields in API response
Daily aggregation
How to make an API call
Example of API response
Fields in API response
Weather overview
How to make an API call
Example of API response
Fields in API response
Other features
List of weather alerts sources
Units of measurement
Multilingual support
List of national weather alerts sources
Call back function for JavaScript code

Ulla Weather Assistant

- Mình sử dụng apikey có sẵn :



- Đây là api để gửi request, sử dụng apikey đó:
- city đó được lấy từ người dùng chọn :



```
string city = City.SelectedItem.ToString();
string apiKey = "75078a8c6e2bcf7ba4744cf56423b092";
string weatherUrl = $"https://api.openweathermap.org/data/2.5/weather?q={city}&appid={apiKey}&units=metric";
string forecastUrl = $"https://api.openweathermap.org/data/2.5/forecast?q={city}&appid={apiKey}&units=metric";

using (HttpClient client = new HttpClient())
```

- Giao diện chính:

Assignment 5

Hanoi

Current Weather

Description

Temperature


Pressure

Humidity

Clouds

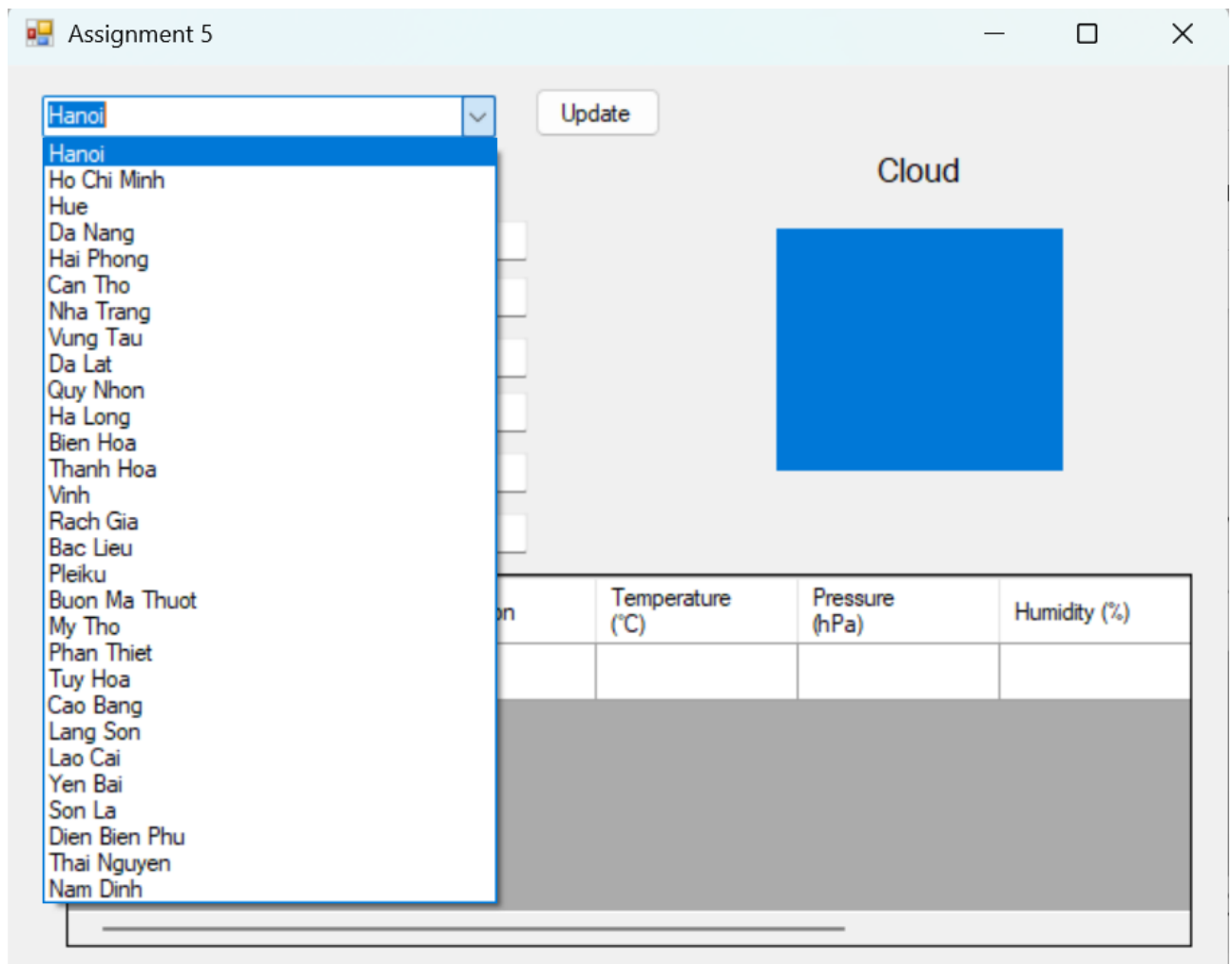
Wind speed

Cloud



	Date	Description	Temperature (°C)	Pressure (hPa)	Humidity (%)
*					

- Chọn thành phố muốn xem thời tiết:



- Khi chọn một thành phố rồi bấm vào nút update:
 - + Current Weather : hiển thị thời tiết thời điểm đó
 - + Cloud: hiển thị ảnh mô phỏng
 - + Bảng là hiển thị theo thời gian

Assignment 5

Hue

Update

Current Weather

Description

broken clouds

Temperature

25.06 °C

Pressure

1014 hPa

Humidity

65 %


Clouds

75 %

Wind speed

3.6 m/s

Cloud



	Date	Description	Temperature (°C)	Pressure (hPa)	Humidity (%)
▶	14/04/2025 09:0...	broken clouds	24.73 °C	1014 hPa	66 %
	14/04/2025 12:0...	broken clouds	22.22 °C	1015 hPa	75 %
	14/04/2025 15:0...	overcast clouds	19.11 °C	1016 hPa	88 %
	14/04/2025 18:0...	overcast clouds	18.65 °C	1013 hPa	88 %
	14/04/2025 21:0...	scattered clouds	17.96 °C	1013 hPa	91 %

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