

Stage | CM | ?

Opdracht SMS

Requirements

Send as few messages as possible (think of character limits for a SMS message)

- AND send messages with a maximum of once each day. (Cronjob?)

C#

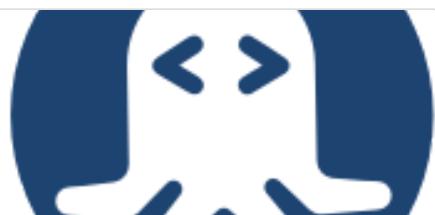
Research

<https://learn.microsoft.com/en-us/dotnet/api/system.net.http.httpclient?view=net-7.0>

WeatherAPI.com API Documentation (weatherapi) | RapidAPI

WeatherAPI.com is a powerful fully managed free weather and geolocation API provider that provides extensive APIs that range from the weather forecast, historical weather, future weather, weather alerts, air quality data, IP lookup, and astronomy

🔗 <https://rapidapi.com/weatherapi/api/weatherapi-com/>



environment variable in C#?

What is the .env file equivalent for handling secrets in C#?

I use .env files in my node.js code to handle secrets in my dev environment configuration. I add .env to my project's .gitignore, to prevent secrets being committed to the git repository.

💡 <https://stackoverflow.com/questions/74046813/what-is-the-env-file-equivalent-for-handling-secrets-in-c>



CronJob

How to write your own cron Job scheduler in ASP.NET Core (like Quartz, Hangfire, ...)

In this blog post we will discover how to write your own small task scheduler / job scheduler with cron notation in ASP.NET Core. You might know similar approaches under the name of Quartz or Hangfire.

 <https://steven-giesel.com/blogPost/fb1ce2ab-dd27-43ed-aaab-077adf2d15cd>



Job Template | Quartz.NET

Open-source scheduling framework for .NET.

 <https://www.quartz-scheduler.net/documentation/quartz-3.x/how-tos/job-template.html>

Timer gebruiken - Simpel en Elegant

Timer Class (System.Timers)

Generates an event after a set interval, with an option to generate recurring events.

 <https://learn.microsoft.com/en-us/dotnet/api/system.timers.timer?view=net-7.0>

 Microsoft Learn



Diagrams

Aan de slag:

Dotnet WebAPI 7.0

API Controller - WeatherAPI Get()

- Environment → AppSettings de RappidAPI
- JSON data
- Request Model - Response Model

WeahterAPI Get() naar CronJob zetten met behulp van Timer

CM SDK - NuGet Package

Response van WeatherAPI naar methode van WeatherSMSToCM → Telefoonnummer lijst van Numbers als JSON gebruiken?

SMS Methode

- API key in Environment → appSettings
- **SMS niet te groot en meerdere - (Meerdere Timers voor verschillende Weather calls?)**
- **1x per dag! → Te maken met Timer**

Uren registratie

10:00 - 10:30 opdracht doorgenomen / plan van aanpak gemaakt / diagram uitgetekend

10:30-11:00 DotNet project aangemaakt en WebAPI gemaakt

11:00-11:30 Begonnen aan WeatherService met timer voor het ophalen van de currentWeather om deze vervolgens door te sturen naar CM.

11:30: Aangemeld bij CM en ontdekkingen van problemen met het aanmelden bij communicatie platform

15:00 - 16:30 - CM koppeling gemaakt + `astronomy` toegevoegd als extra SMS dienst