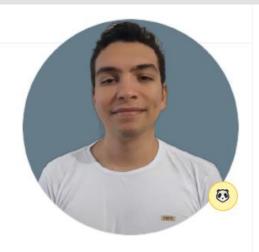# Mapster

Uma ~~melhor~~ boa alternativa

@ypedroo

WHOAMI

Ynoa Pedro
ypedroo

Software developer, who loves code, cats, and beer not necessarily in this order.

Places where you can find me:

ypedroo | LinkedIn | Followers 47 | Follow @ypedroIm 115

Hi there, I'm Ynoa he/him/his 🐼

- 🔭 Working @ Done IT
- 🌱 I'm currently learning and working with .NET, Node.js and React.
- 👯 Feel free to reach out to me for anything tech, coffe, brew or cats related
- 🤝 Also looking for cool projectos to join and help.

Ynoa Pedro's GitHub Stats

- ⭐ Total Stars: 6
- 🕐 Total Commits (2021): 190
- ⇄ Total PRs: 19
- ⓘ Total Issues: 162
- 🗔 Contributed to: 5

A+

Icons made by Pixel perfect from www.flaticon.com

@ypedrooo

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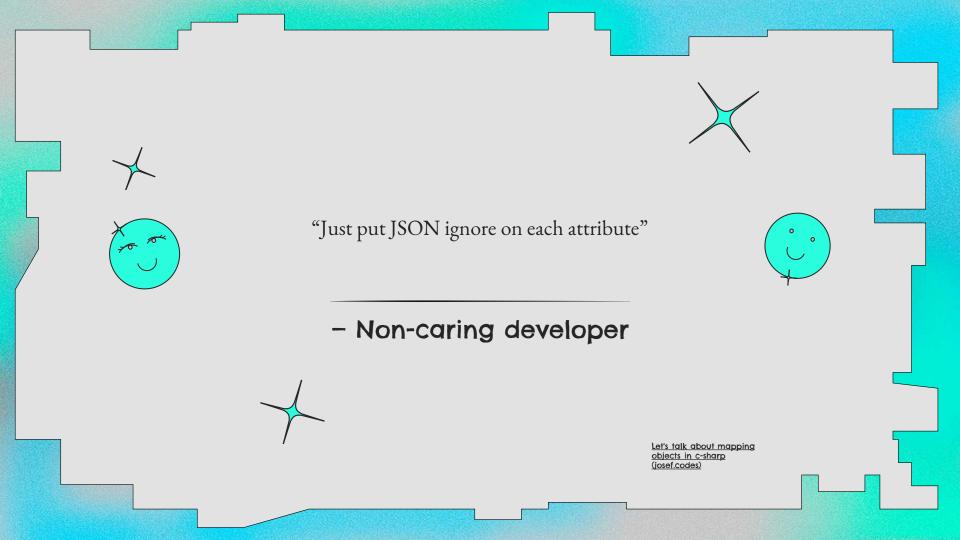
02 **Demo**
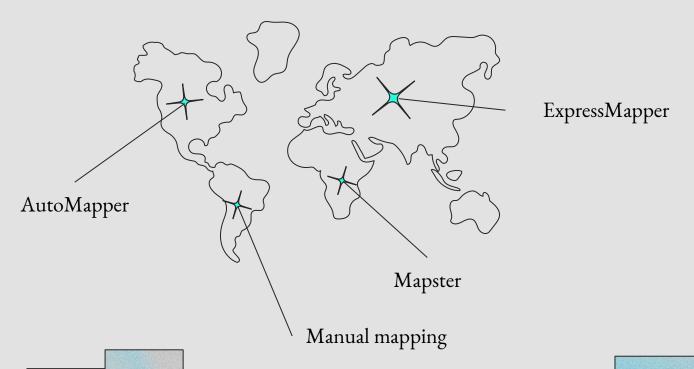
Mostrar as pessoas o que ce fez
ontem com certa pressa!

01

Formas de Mapping

Object mapping

E uma pratica criada basicamente pra evitar que certas propriedades de negocio(Dominino) sejam expostas.

"Just put JSON ignore on each attribute"

– Non-caring developer

The Mappers (Formas de mapear)

02

Demo

Hora de mostrar o melhor

TALK IS CHEAP

SHOW ME THE CODE

memegenerator.net

Some results

Method	Mean	Error	StdDev	Gen 0	Gen 1	Gen 2	Allocated
ManualMap	19.96 ns	0.459 ns	1.281 ns	0.0204	-	-	64 B
MapsterCodeGen	25.62 ns	0.706 ns	2.037 ns	0.0204	-	-	64 B
MapsterAdapt	49.89 ns	0.942 ns	0.787 ns	0.0203	-	-	64 B
MapsterAdaptWithConfiguration	70.83 ns	1.410 ns	1.177 ns	0.0330	-	-	104 B
ExpressMap	121.83 ns	2.383 ns	2.113 ns	0.0330	-	-	104 B
AutoMap	122.52 ns	2.280 ns	3.994 ns	0.0203	-	-	64 B

* Hints *

Some results

Method	Mean	Error	StdDev	Median	Gen 0	Gen 1	Gen 2	Allocated
MapsterCodeGen	25.36 ns	0.502 ns	1.092 ns	25.35 ns	0.0204	-	-	64 B
ManualMap	26.05 ns	1.549 ns	4.544 ns	24.77 ns	0.0204	-	-	64 B
MapsterAdapt	59.64 ns	1.472 ns	4.223 ns	59.22 ns	0.0204	-	-	64 B
MapsterAdaptWithConfiguration	83.00 ns	2.252 ns	6.569 ns	80.96 ns	0.0331	-	-	104 B
AutoMap	164.96 ns	9.488 ns	27.222 ns	155.89 ns	0.0200	-	-	64 B
ExpressMap	182.37 ns	10.018 ns	29.063 ns	175.48 ns	0.0329	-	-	104 B

Some results

```
// * Summary *

BenchmarkDotNet=v0.13.0, OS=Windows 10.0.18363.1500 (1909/November2019Update/19H2)
Intel Core i5-1035G1 CPU 1.00GHz, 1 CPU, 8 logical and 4 physical cores
.NET SDK=6.0.100-preview.5.21302.13
  [Host]     : .NET 5.0.7 (5.0.721.25508), X64 RyuJIT  [AttachedDebugger]
  DefaultJob : .NET 5.0.7 (5.0.721.25508), X64 RyuJIT


                       Method |     Mean |   Error |   StdDev |   Median | Gen 0  | Gen 1 | Gen 2 | Allocated |
----------------------------- |---------:|--------:|---------:|---------:|-------:|------:|------:|----------:|
               MapsterCodeGen | 55.01 ns | 0.479 ns | 0.425 ns | 54.97 ns | 0.0816 |     - |     - |    256 B  |
                    ManualMap | 63.20 ns | 1.777 ns | 5.097 ns | 61.66 ns | 0.0865 |     - |     - |    272 B  |
                  MapsterAdapt | 85.67 ns | 1.244 ns | 1.039 ns | 85.68 ns | 0.0815 |     - |     - |    256 B  |
  MapsterAdaptWithConfiguration |127.17 ns | 2.431 ns | 3.246 ns |127.75 ns | 0.0939 |     - |     - |    296 B  |
                      AutoMap |155.24 ns | 2.935 ns | 5.655 ns |153.93 ns | 0.0505 |     - |     - |    160 B  |
                   ExpressMap |271.53 ns | 5.354 ns |12.085 ns |270.05 ns | 0.1349 |     - |     - |    424 B  |


// * Warnings *
```

03

Considerações

Final thoughts

Mapster vai resolver meus problemas de perfomance ?

Provavelmente Nao, mas pode dar uma ajudinha ☺

Vale a pena usar?

Com certeza, uma lib ja consolidada e aberta a melhorar, for a a parte explorativa da coisa

Links

Source code: https://github.com/ypedroo /demoMapster

Thanks!

Do you have any questions?
ynoa.pedro@outlook.com

Resources

Official Docs - Basic usages · MapsterMapper/Mapster Wiki (github.com)

Nick Chapsas Experiment - Mapster, the best .NET mapper that you are (probably) not using – YouTube
Josef Ottoson on Object mapping - Let's talk about mapping objects in c-sharp (josef.codes)

Comparison of Object Mapper Libraries | Innovensa Ltd