

ASP.NET CORE

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Proč .NET Core

- C# + Visual Studio = produktivní prostředí
- Velká komunita (hledání)
- Aktivně vyvíjený, moderní trendy
- Multiplatformní
- Rychlý

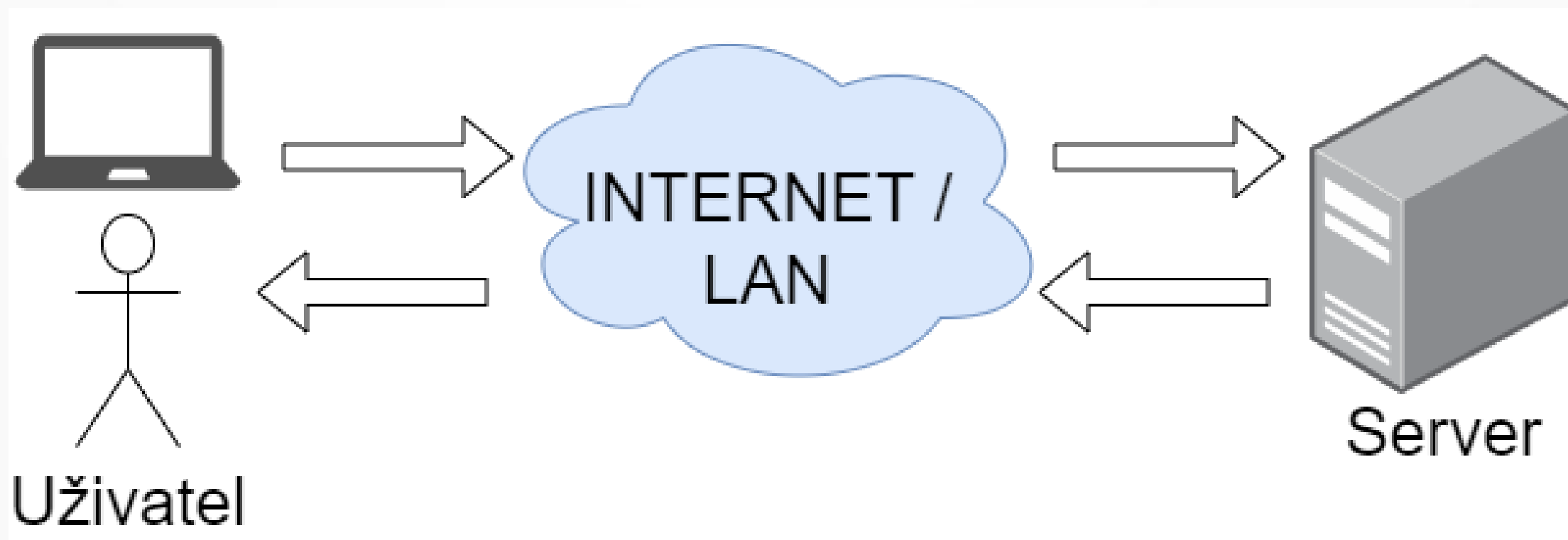
Kde hledat pomoc

- Vše se vyvíjí, syntaxe se mění
- [STACKOVERFLOW](#)
- [DOCS.MICROSOFT.COM](#) – ASP.NET CORE

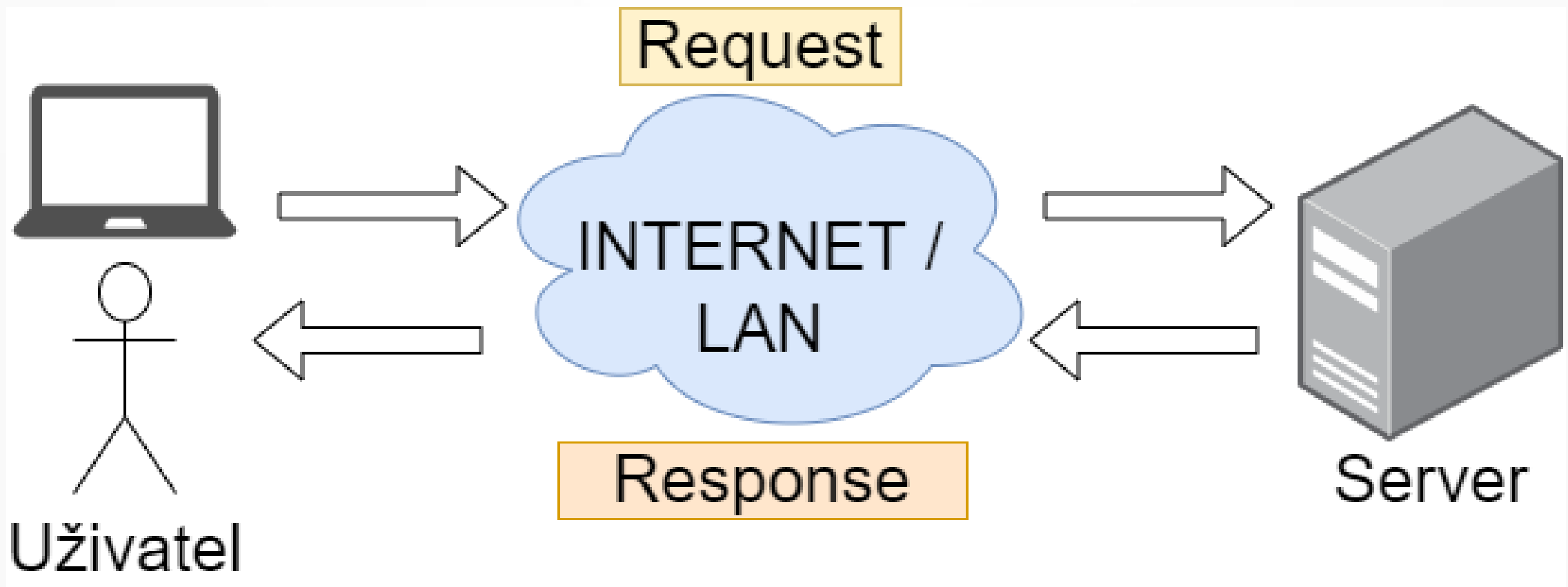
Introduction - představení

- <https://asp.net>
- <https://docs.microsoft.com/en-us/aspnet/core/introduction-to-aspnet-core?view=aspnetcore-6.0>

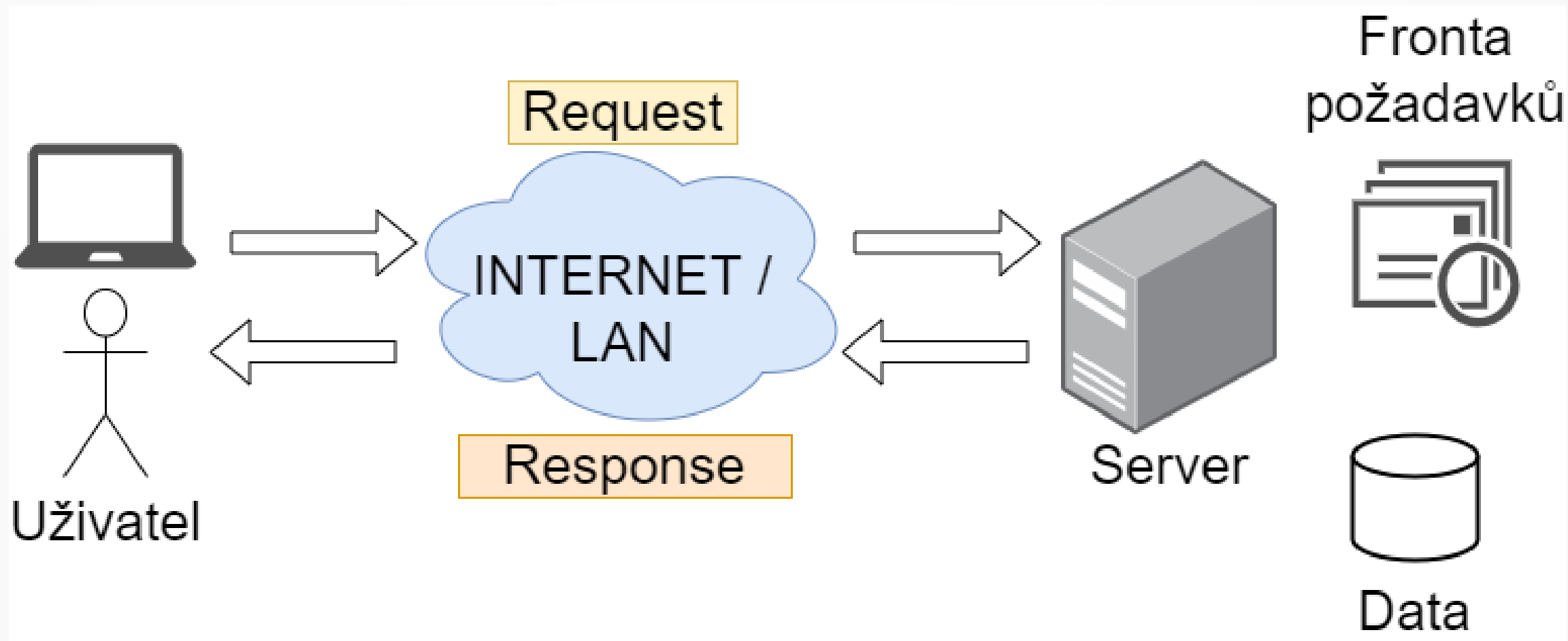
Request - Response



Request - Response



Request - Response



Server

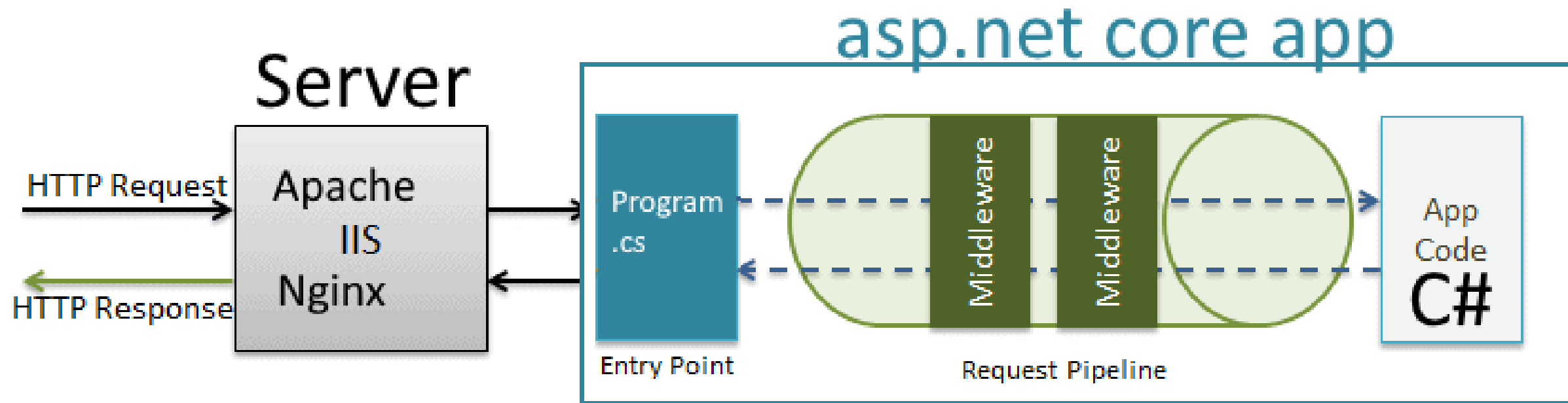
Může obsluhovat mnoho domén:

www.example.com => app X

smart.banka.cz => app Y

localhost:7552 => app Z

Server + asp.net core app



The Pipeline



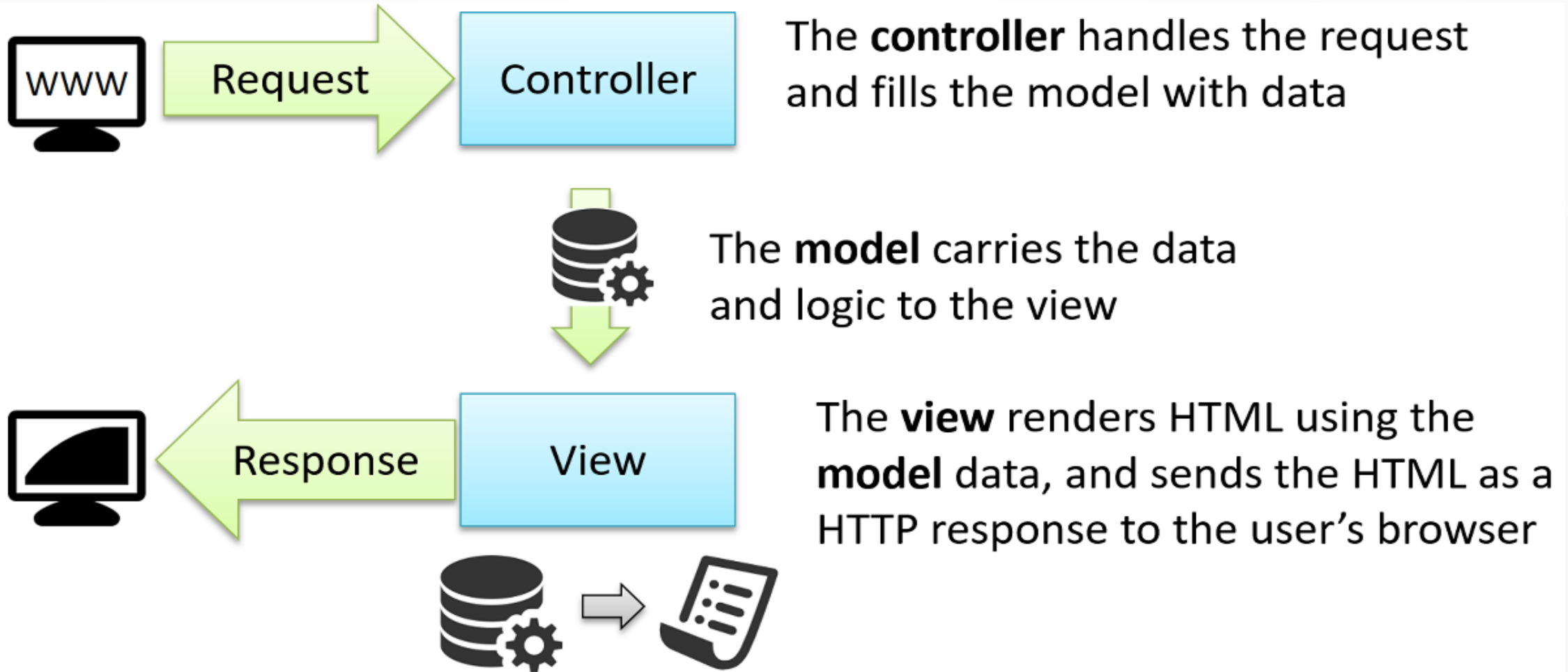
Request Response + Middleware

<https://medium.com/geekculture/http-the-request-response-cycle-ddcb5bb7070>

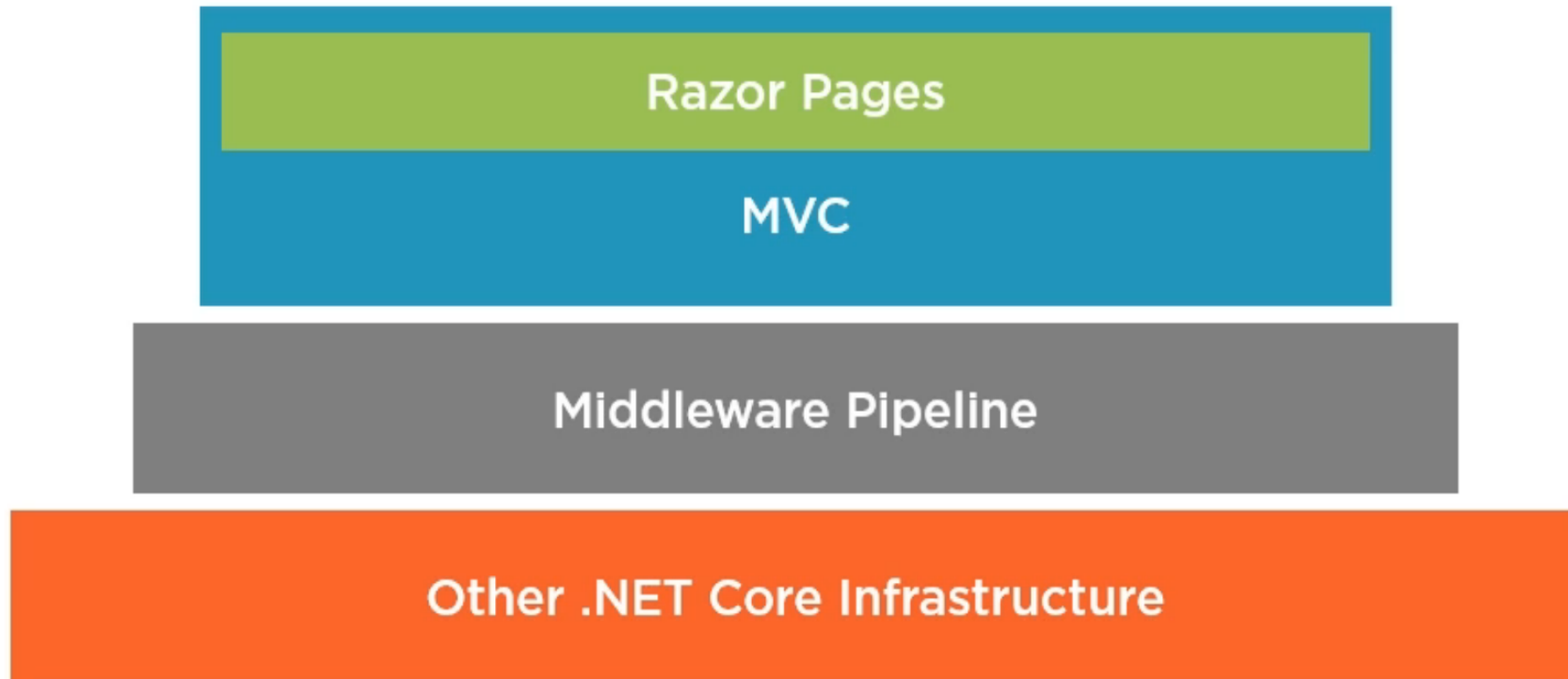
<https://www.tutorialsteacher.com/core/aspnet-core-middleware>

<https://docs.microsoft.com/en-us/aspnet/core/fundamentals/middleware/?view=aspnetcore-6.0>

MVC Request Response

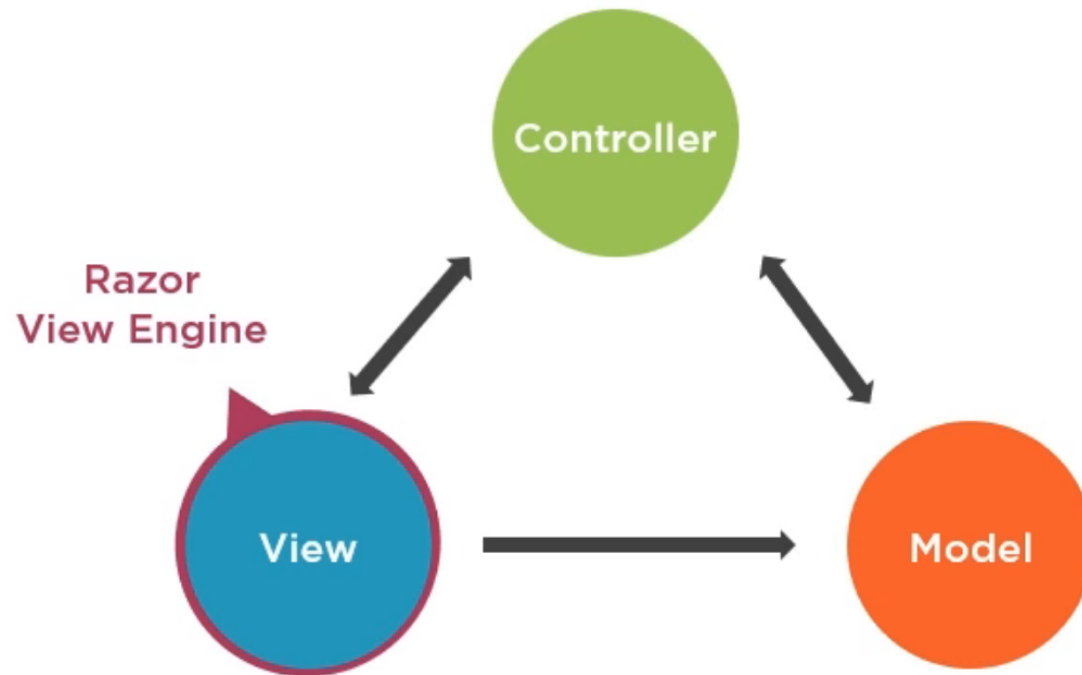


Razor Pages Infrastructure



A Tale of Two Patterns

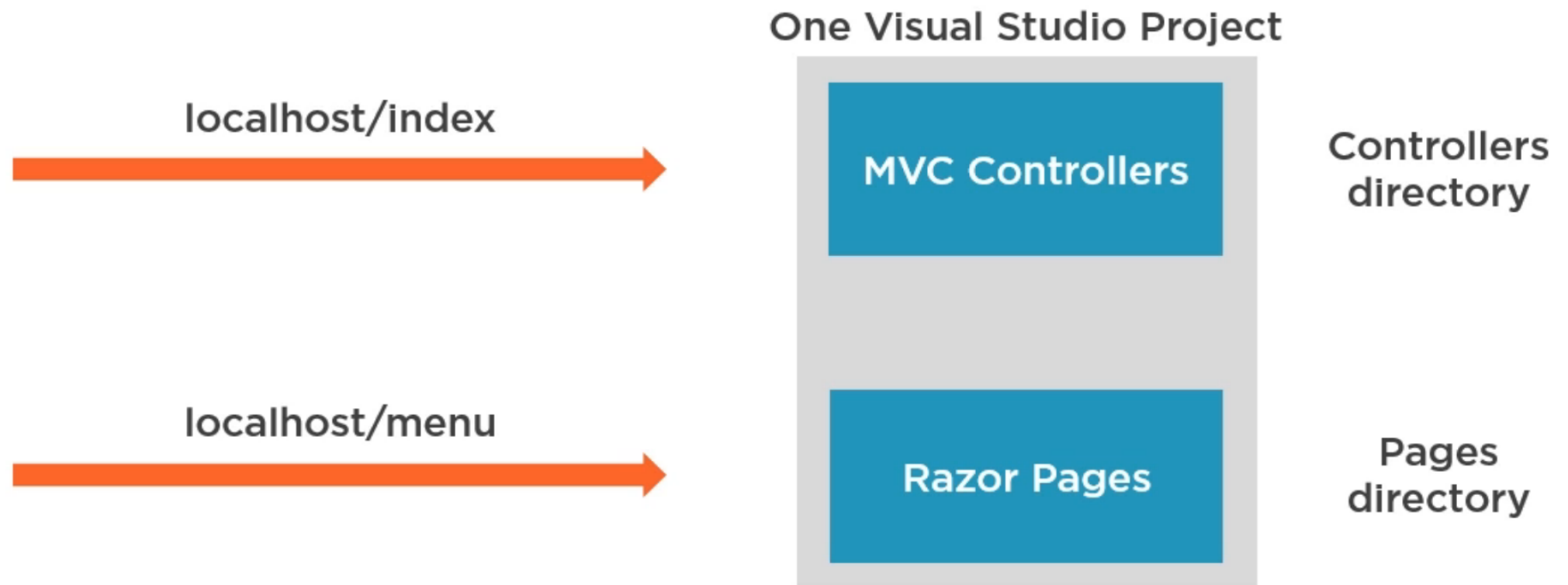
The MVC Pattern



Razor Pages Pattern



Combining Design Patterns



Comparing Razor Pages and MVC

Razor Pages	MVC
Page focused	Action focused - strong web service support
Fairly simple and approachable	Somewhat steeper complexity and learning curve
Great for single page or “shell” apps	Includes unnecessary overhead for single page apps

Working with Razor

```
<p>The total is:  
@Model.Sum</p>
```

```
<p>The time is:  
@DateTime.Now</p>
```

Display data

```
@section Footer {  
<p>HTML Content goes  
here</p>  
}
```

Keyword features

```
@{  
    var sum = 1 + 1;  
}
```

C# code

```
<input asp-for="zipcode"  
type="text" />
```

Generating markup