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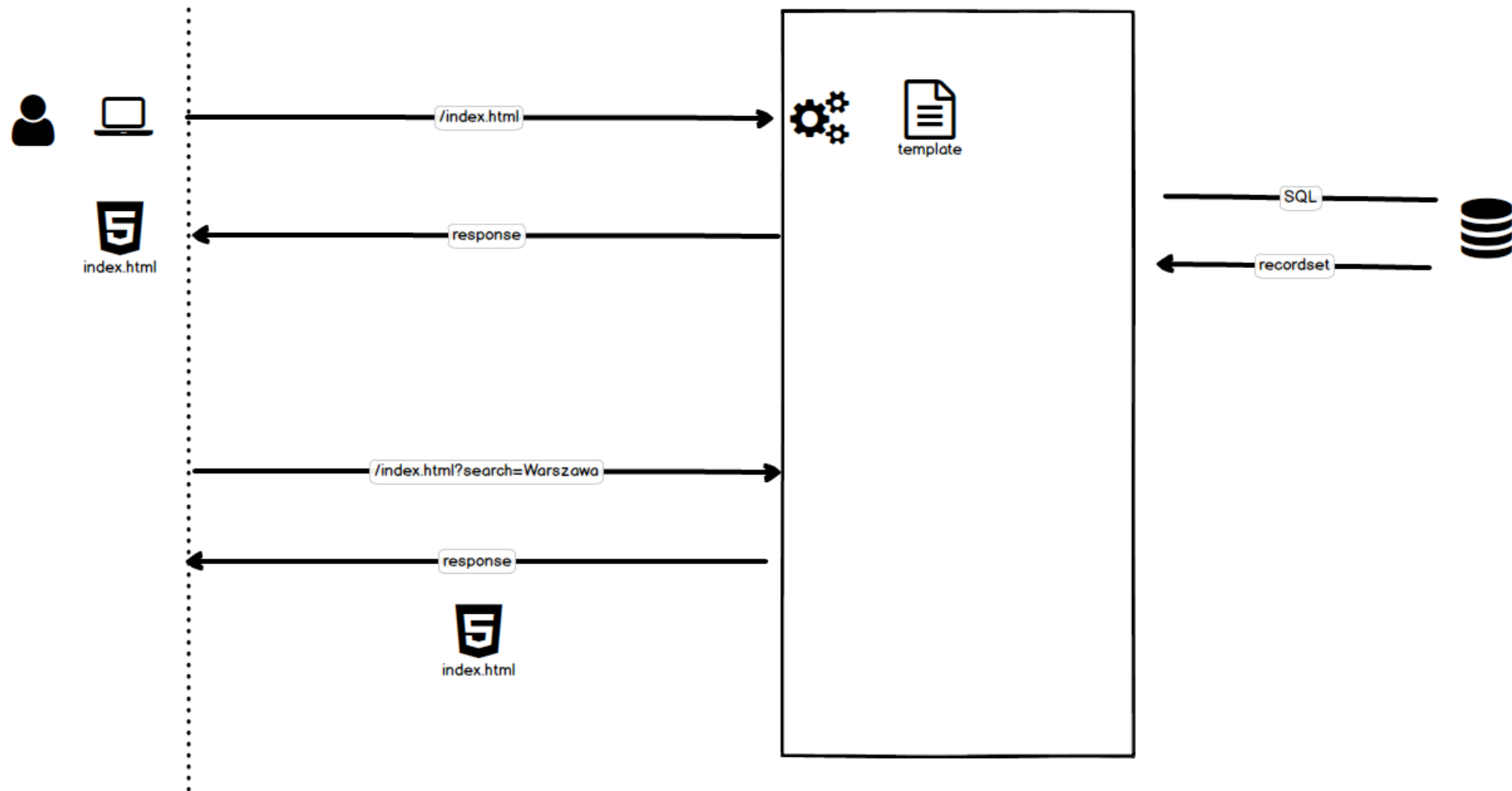
# ASP.NET Core Blazor



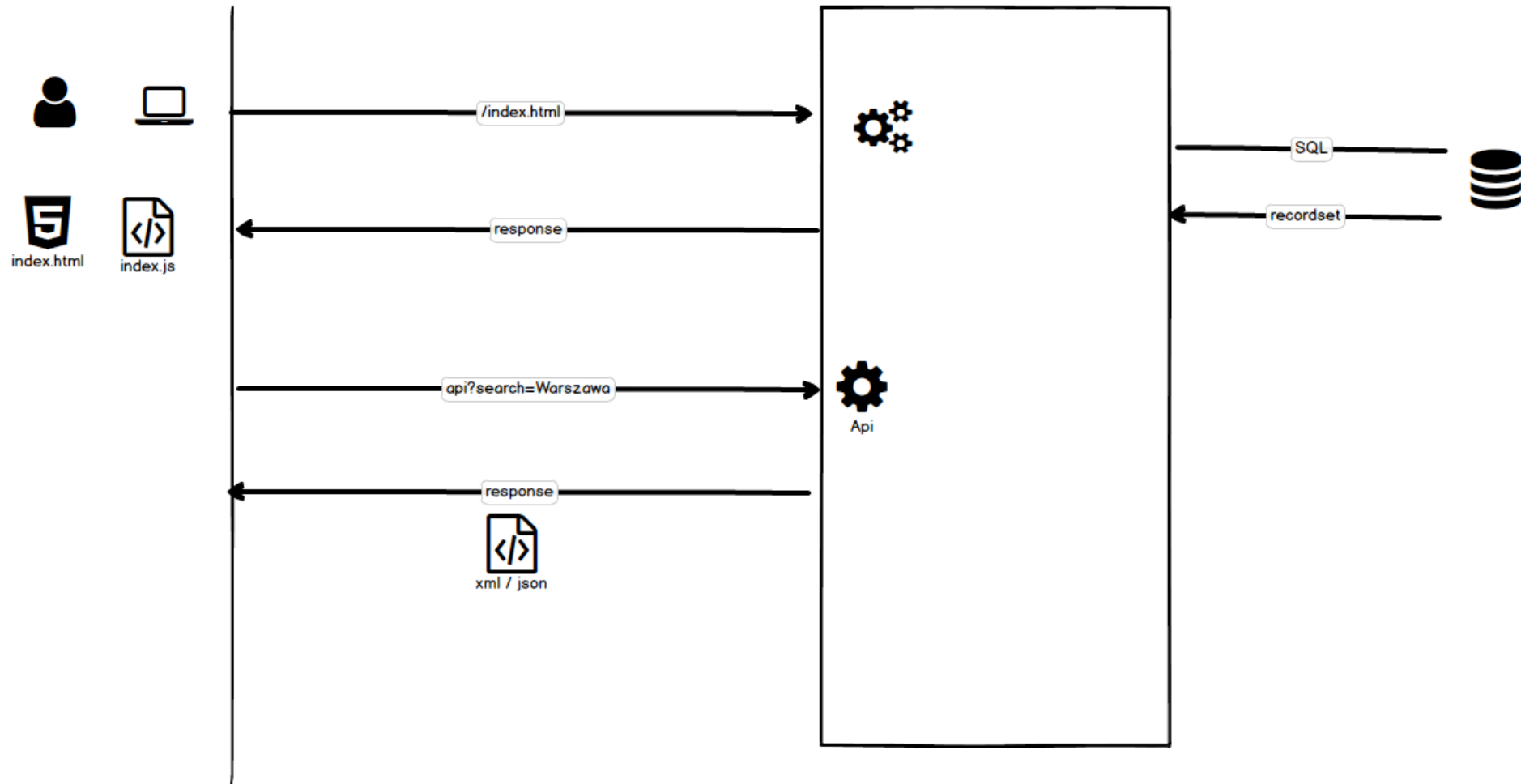
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Modele renderowania

# Server Side Rendering (SSR)



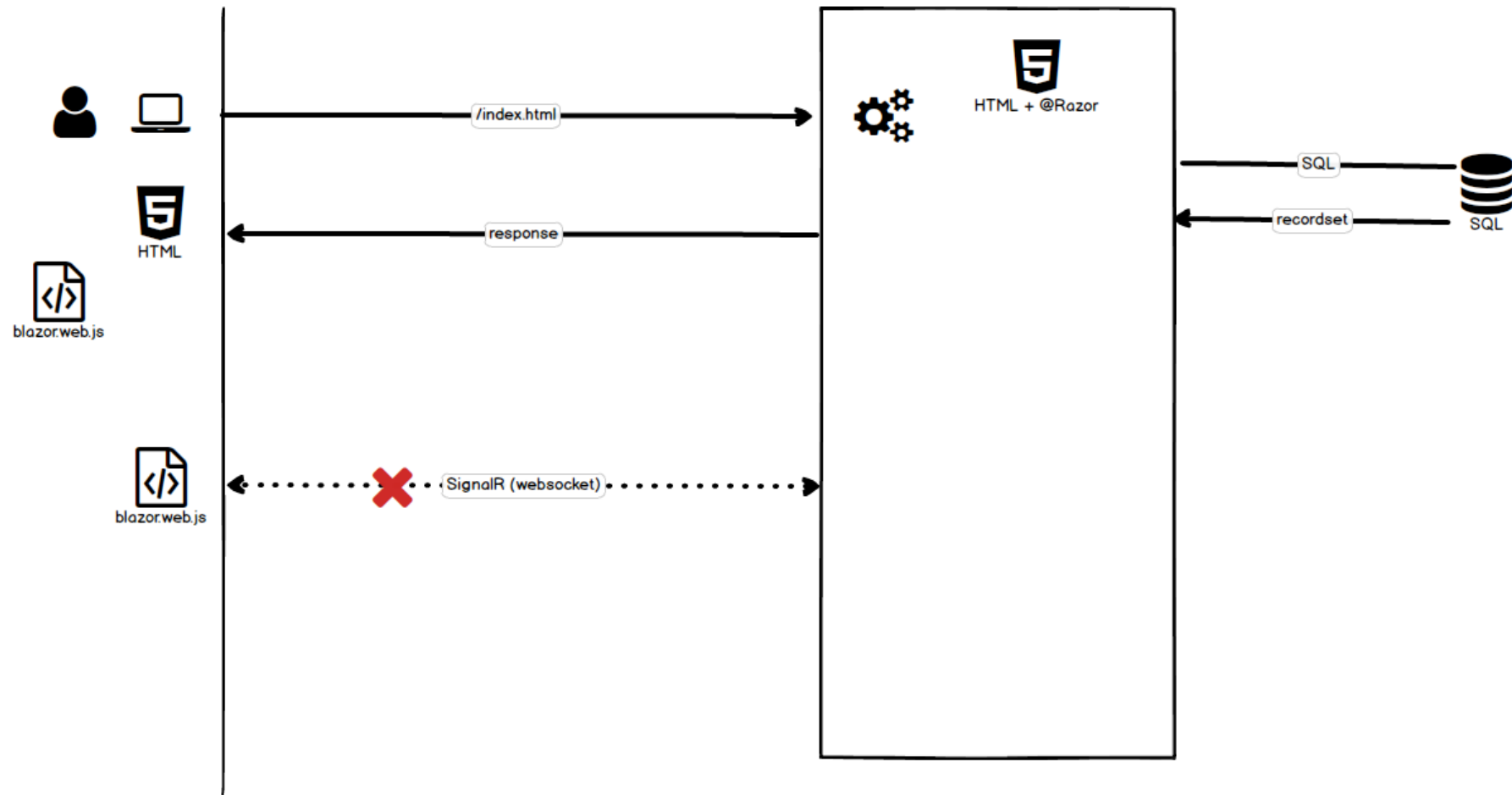
# Client Side Rendering (CSR)



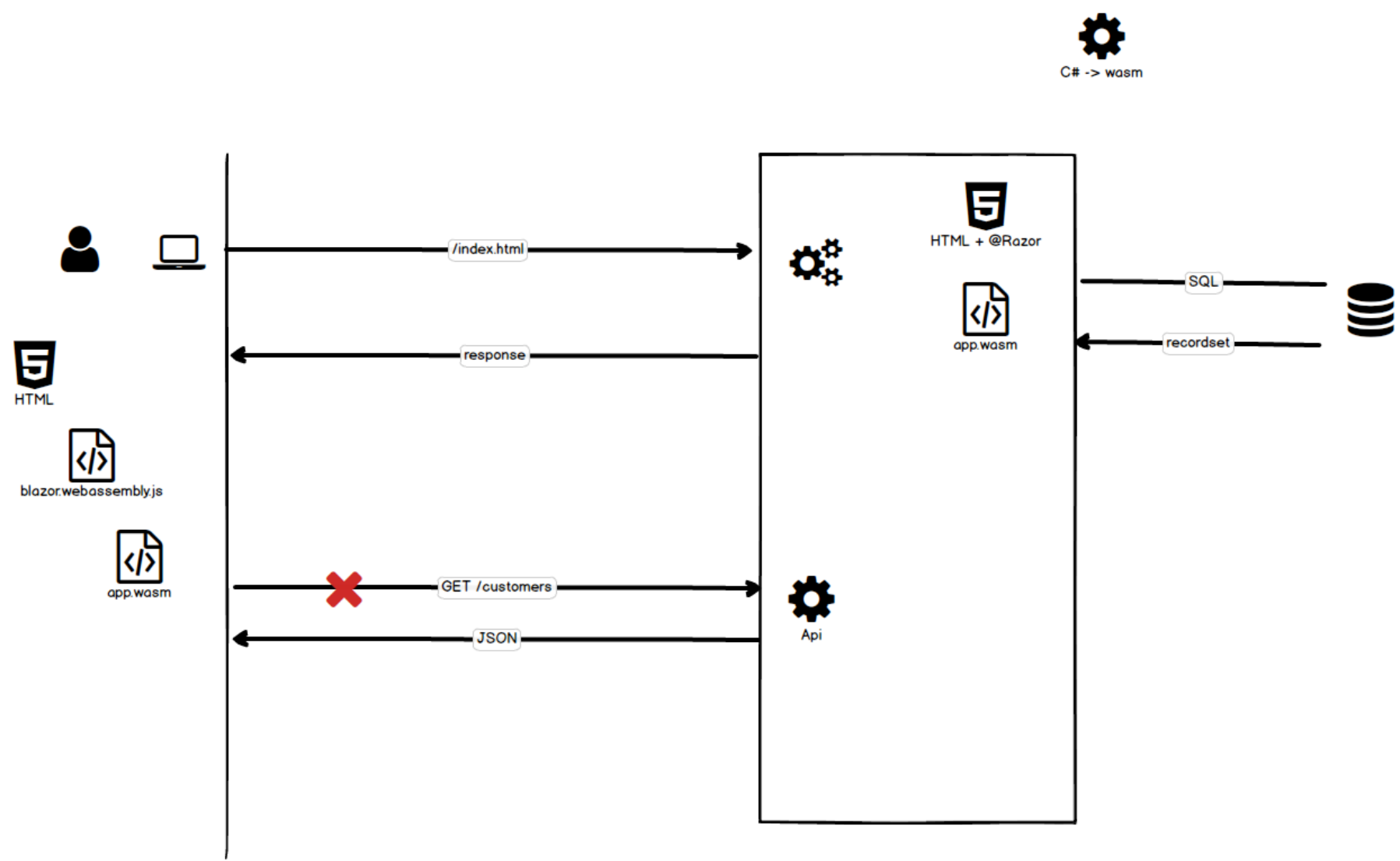
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# Blazor Hosting Models

## Blazor Server (Blazor Server-Side)



# Blazor Web Assembly (Blazor Client-Side)

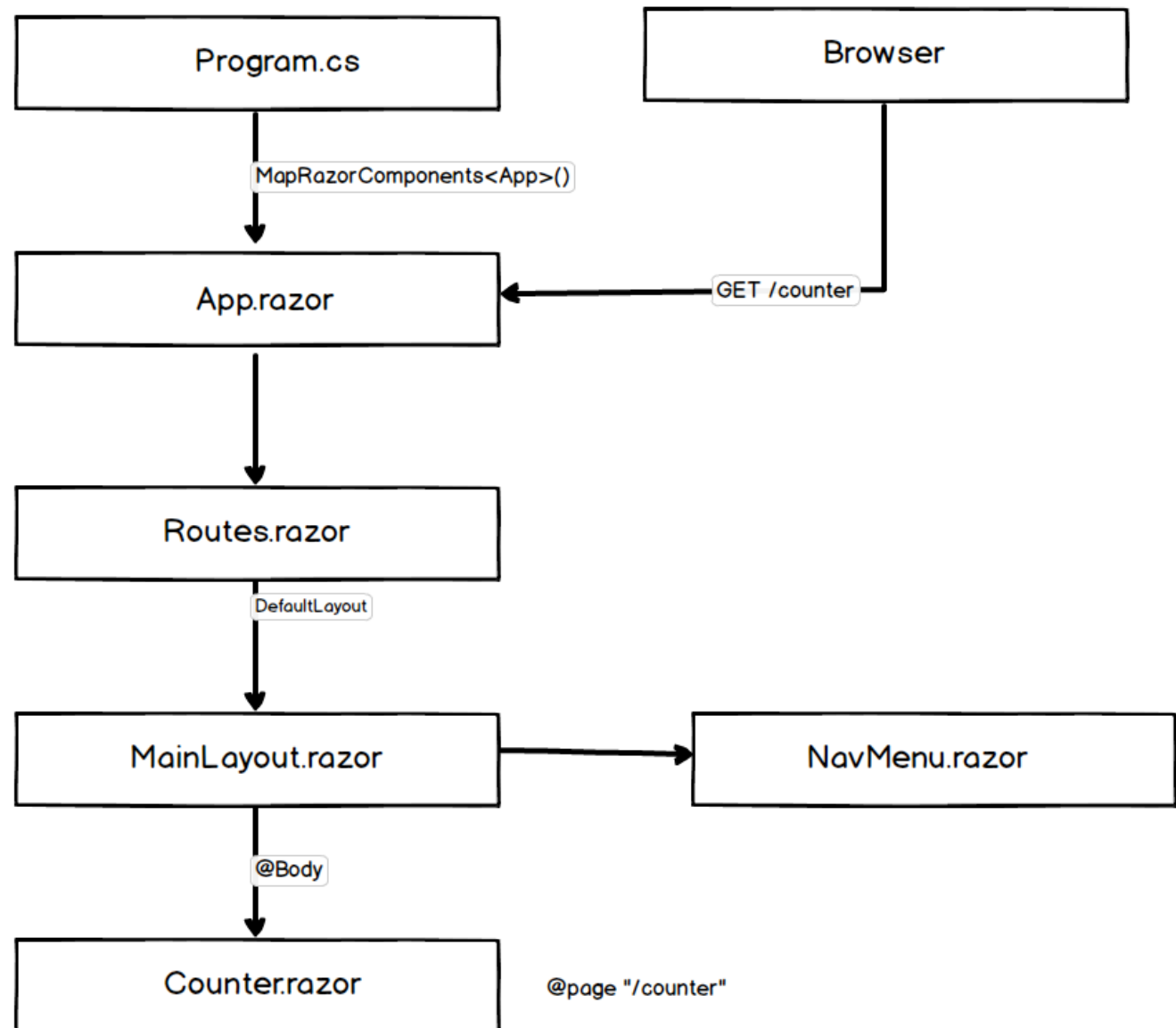


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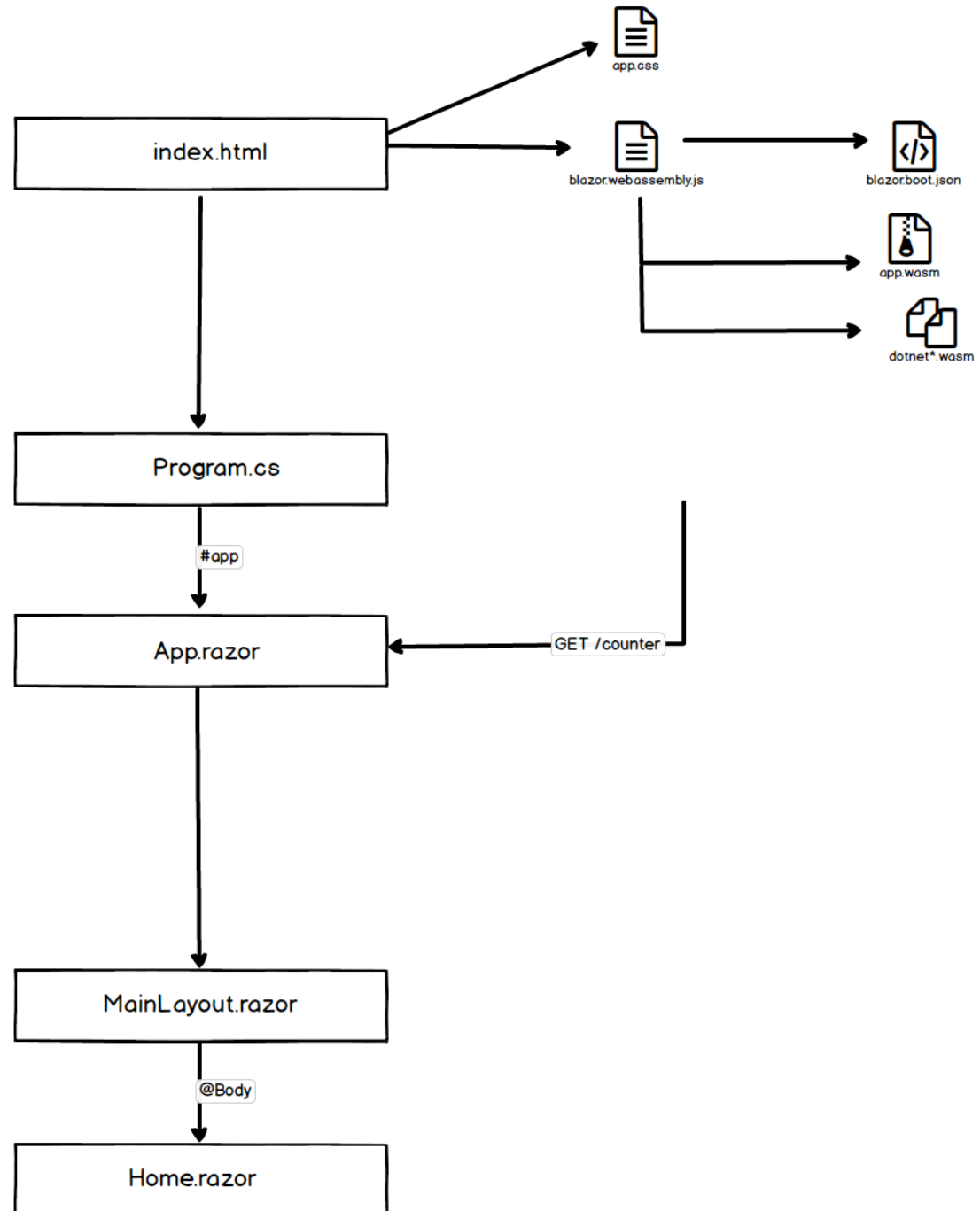
# Project Structure



## Project Structure - Blazor Server



# Blazor Web Assembly

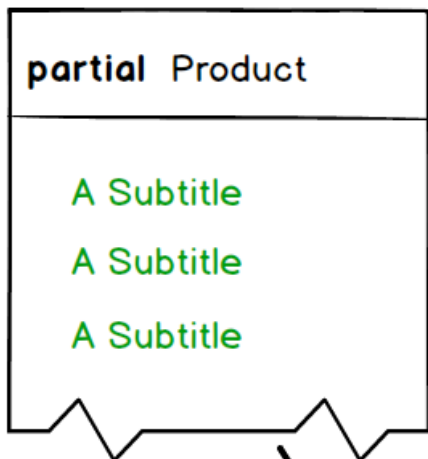


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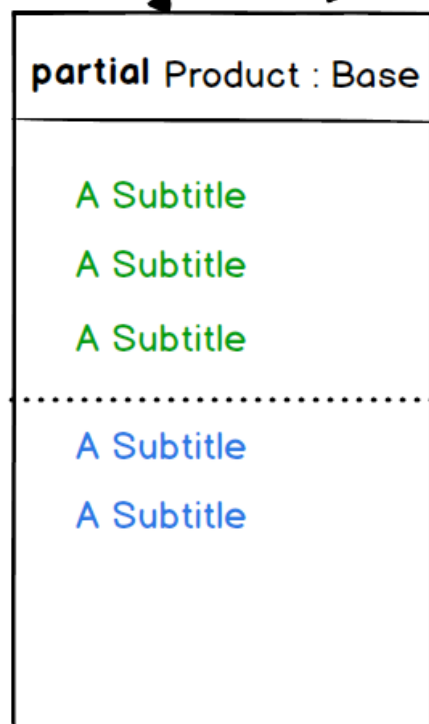
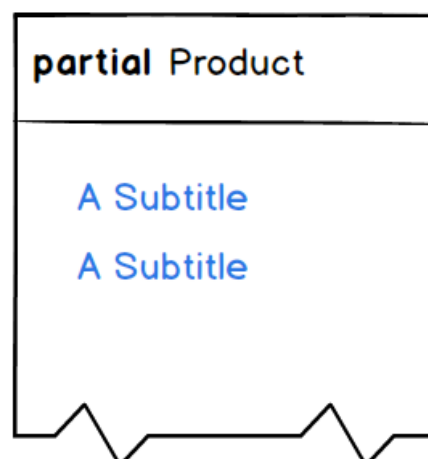
Pages



product.cs



product.g.cs

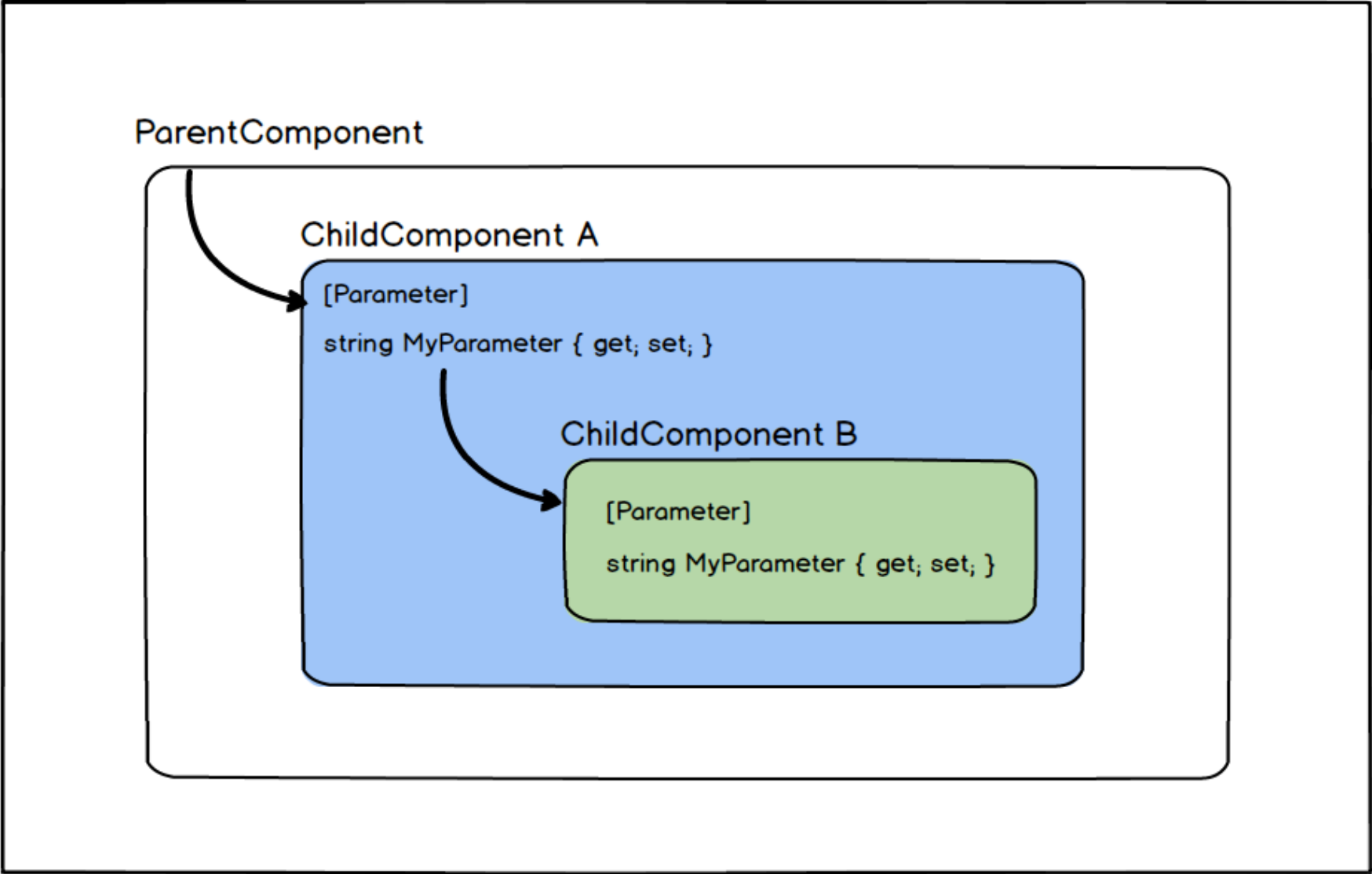


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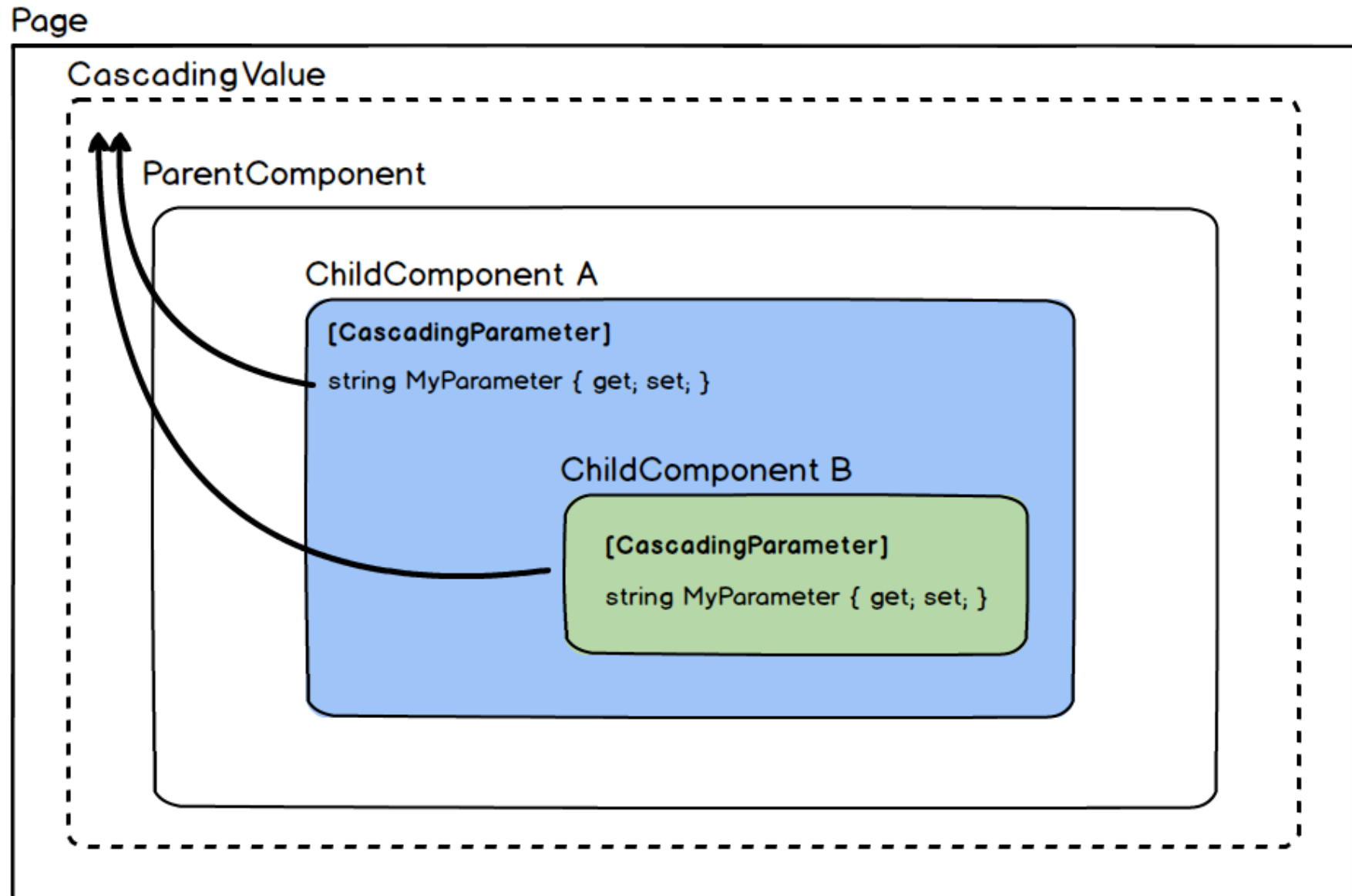
Parameters

# Parameter

Page



# Cascading Parameter



# EventCallback

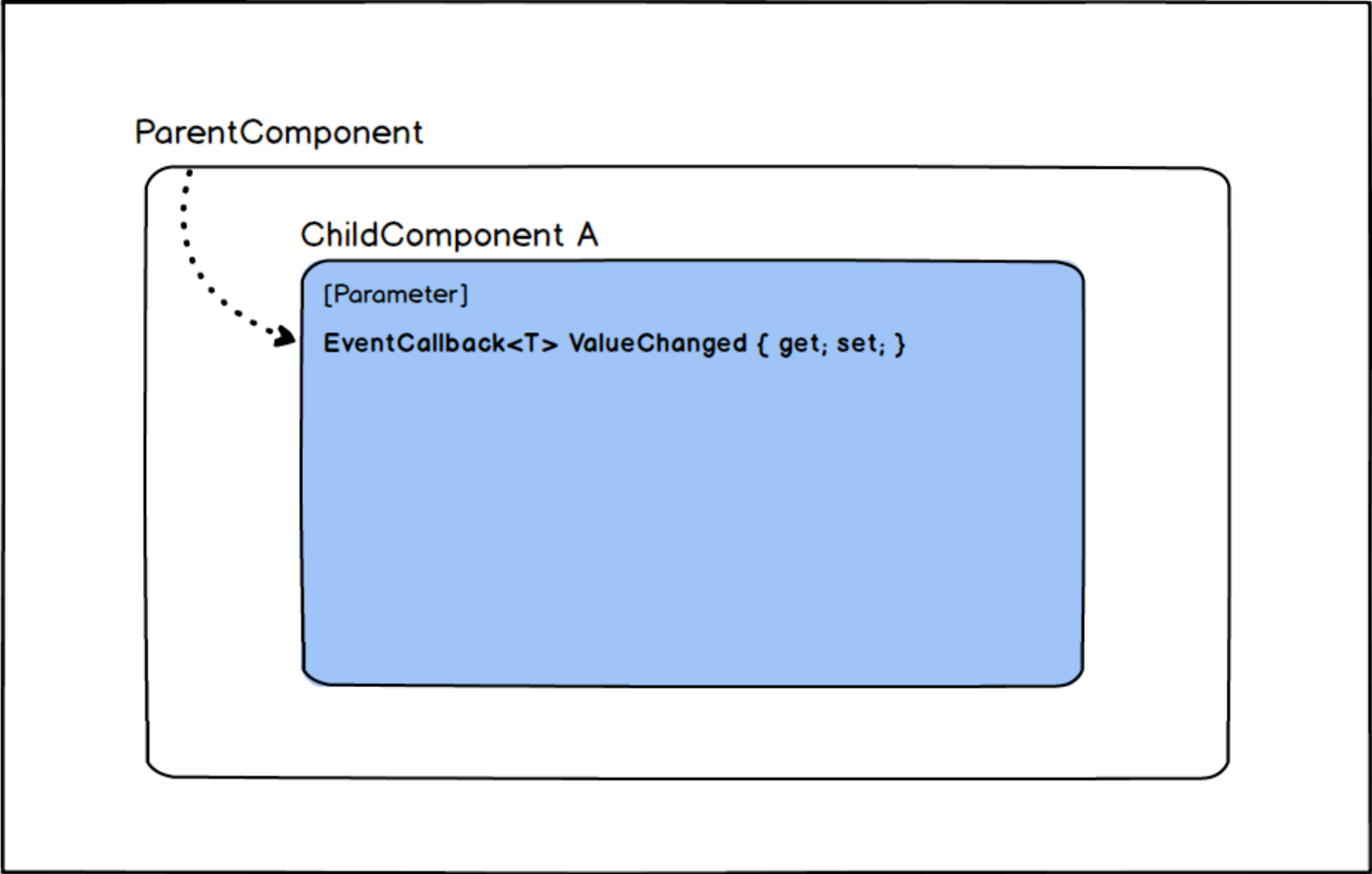
Page

ParentComponent

ChildComponent A

[Parameter]

EventCallback<T> ValueChanged { get; set; }

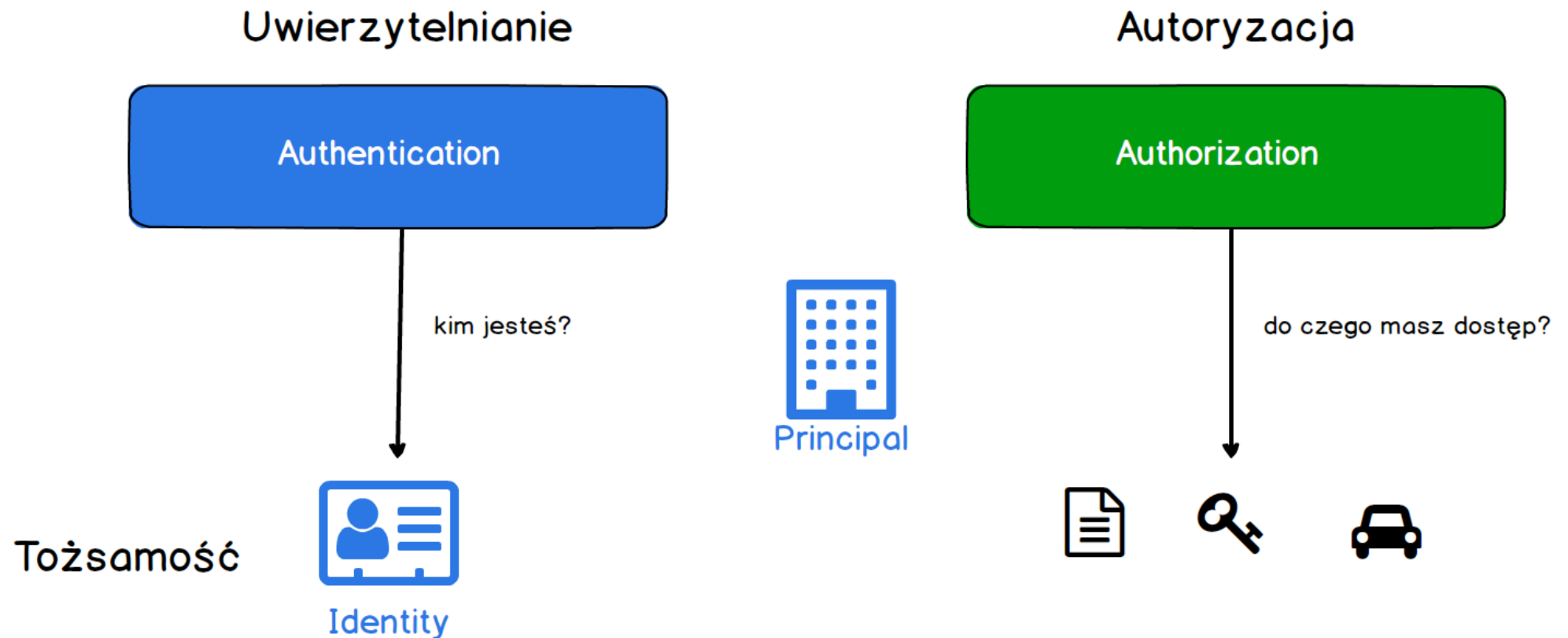




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Authentication Authorization

# Authentication / Authorization



`.UseAuthentication()`

`.UseAuthorization()`

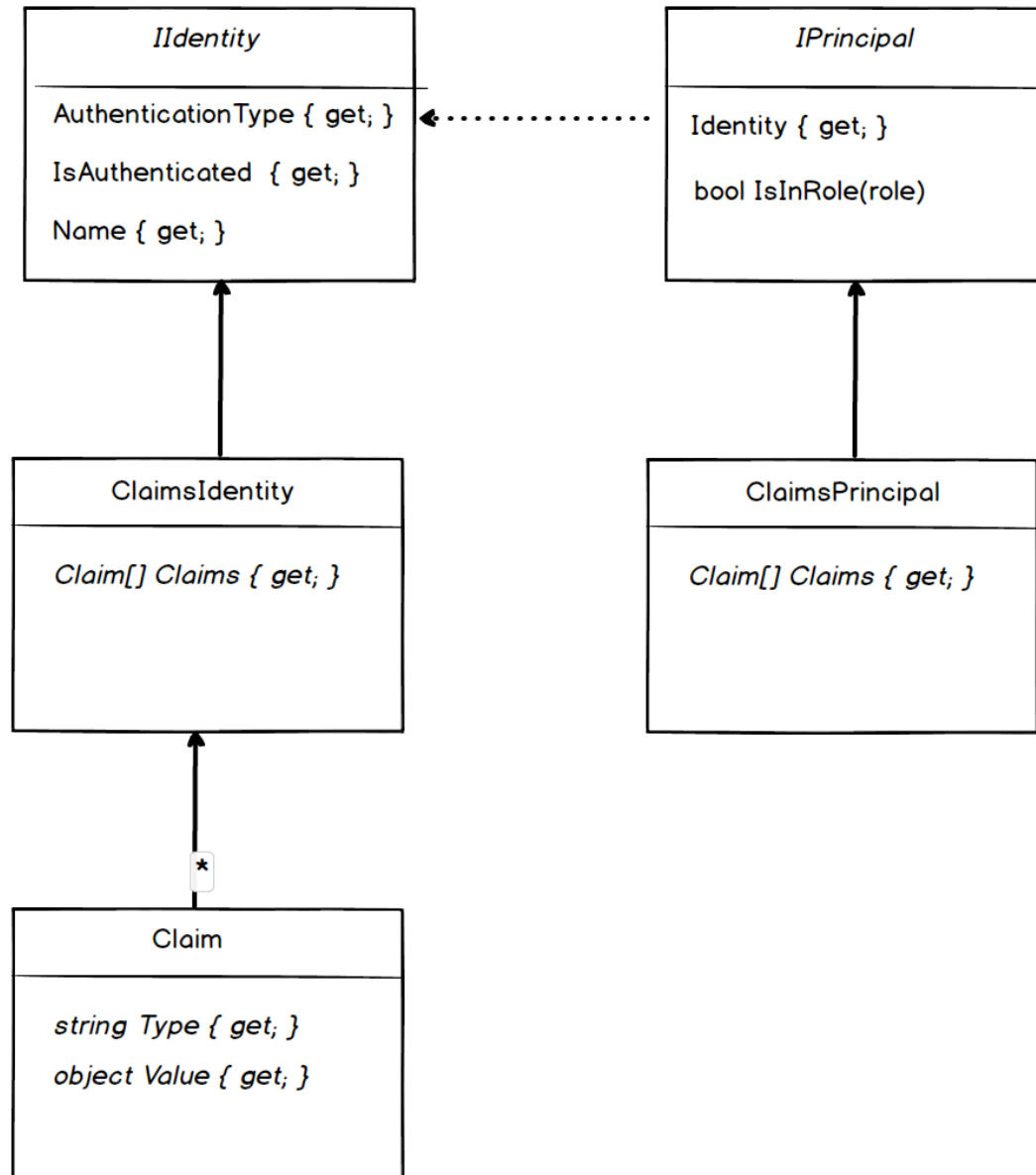
## IIdentity vs IPrincipal



Identity



Principal



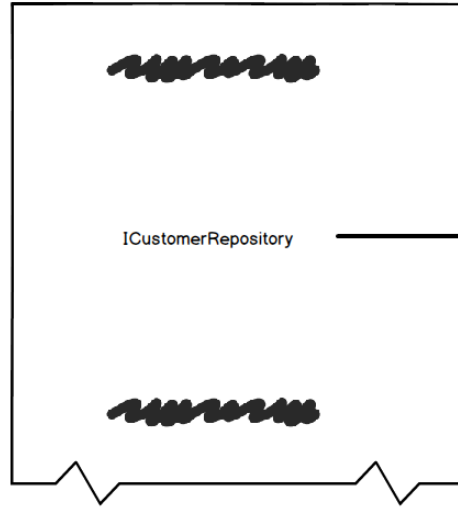
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# Dependency Injection

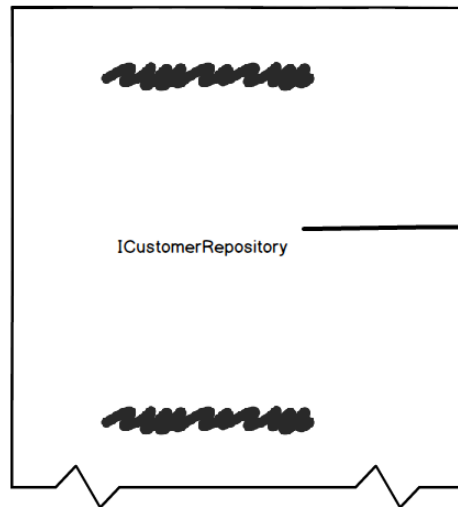
*ICustomerRepository*

GetAll()

@Page "/customers"



@Page "/customer"



DbCustomerRepository

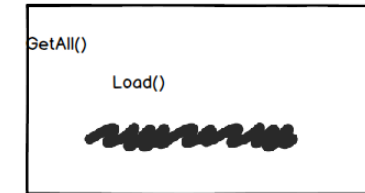
GetAll()



FileCustomerRepository

GetAll()

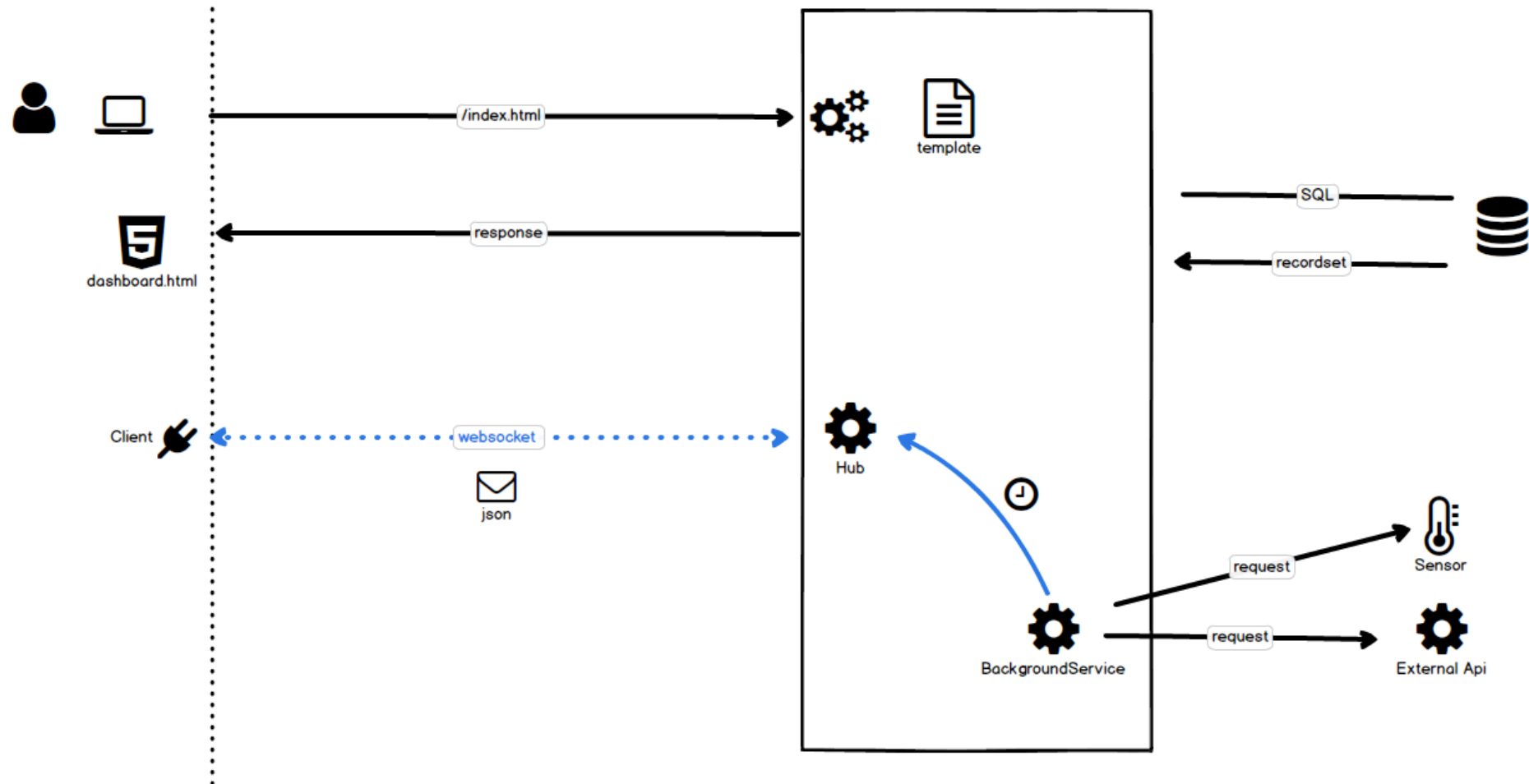
Load()



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# Real Time Communication

# Signal-R



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Blazor ❤️ JS



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Blazor



script.js



Blazor

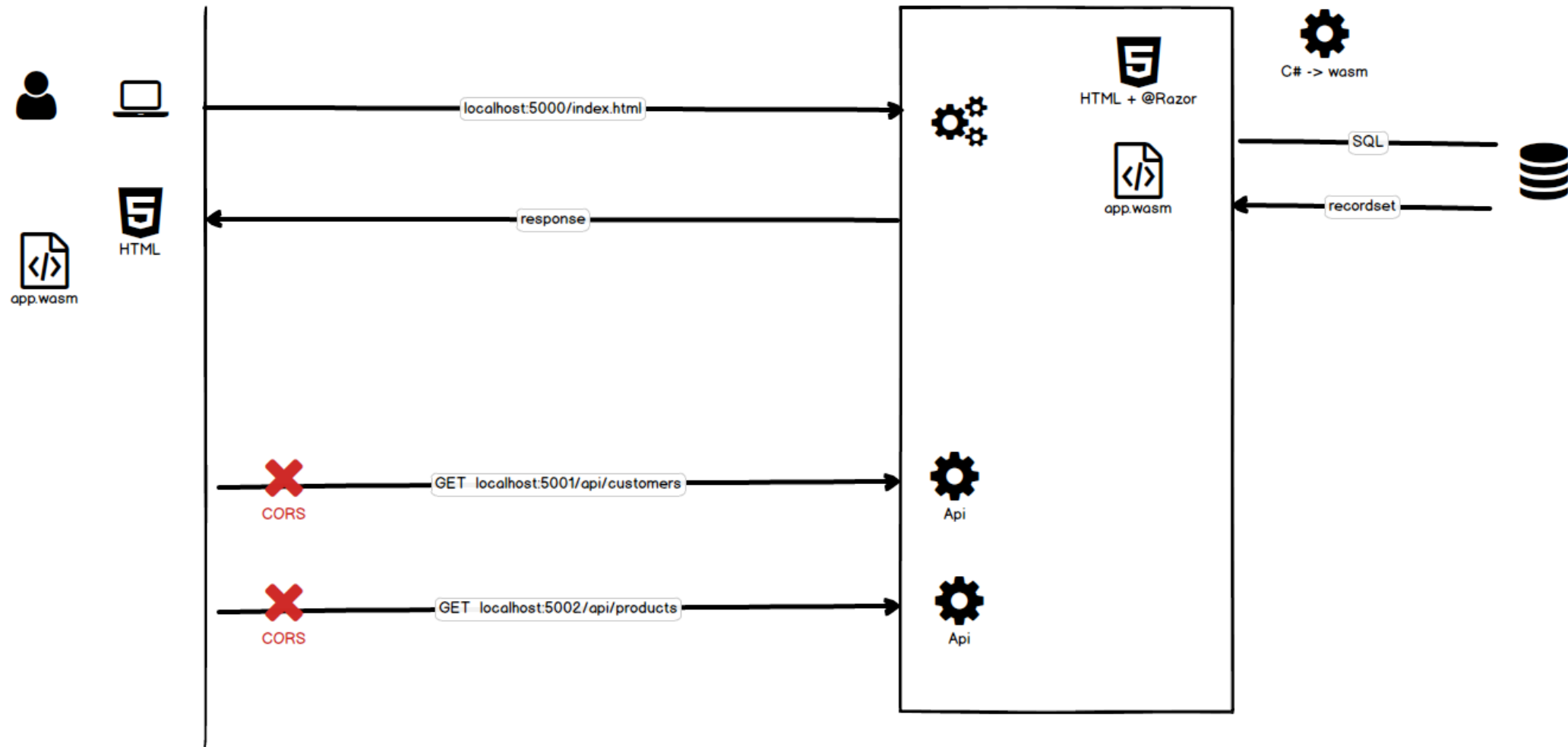


script.js

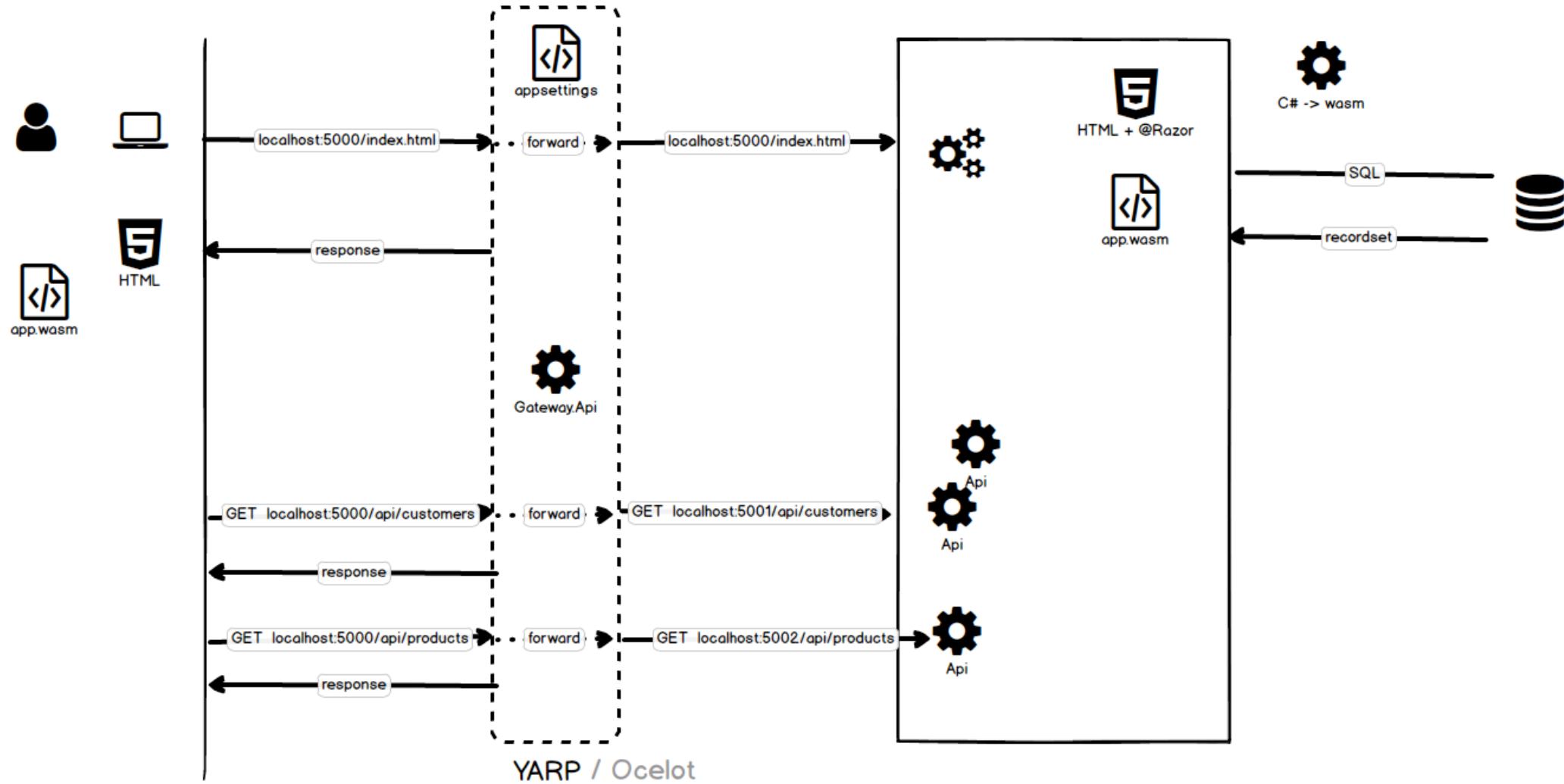


Gateway API

# CORS (Cross-Origin Resource Sharing)



# Gateway API



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Zadania

Zadanie #1 Lista produktów

A Web Page

http://localhost:5000/products

Q

Product List

Name	Color	Price	
Produkt 1	red	100	<a href="#">View</a>
Produkt 2	blue	90	<a href="#">View</a>
Produkt 3	green	100	<a href="#">View</a>
Produkt 4	red	50	<a href="#">View</a>
Produkt 5	red	20	<a href="#">View</a>



http://localhost:5000/products/1/view



## Product1

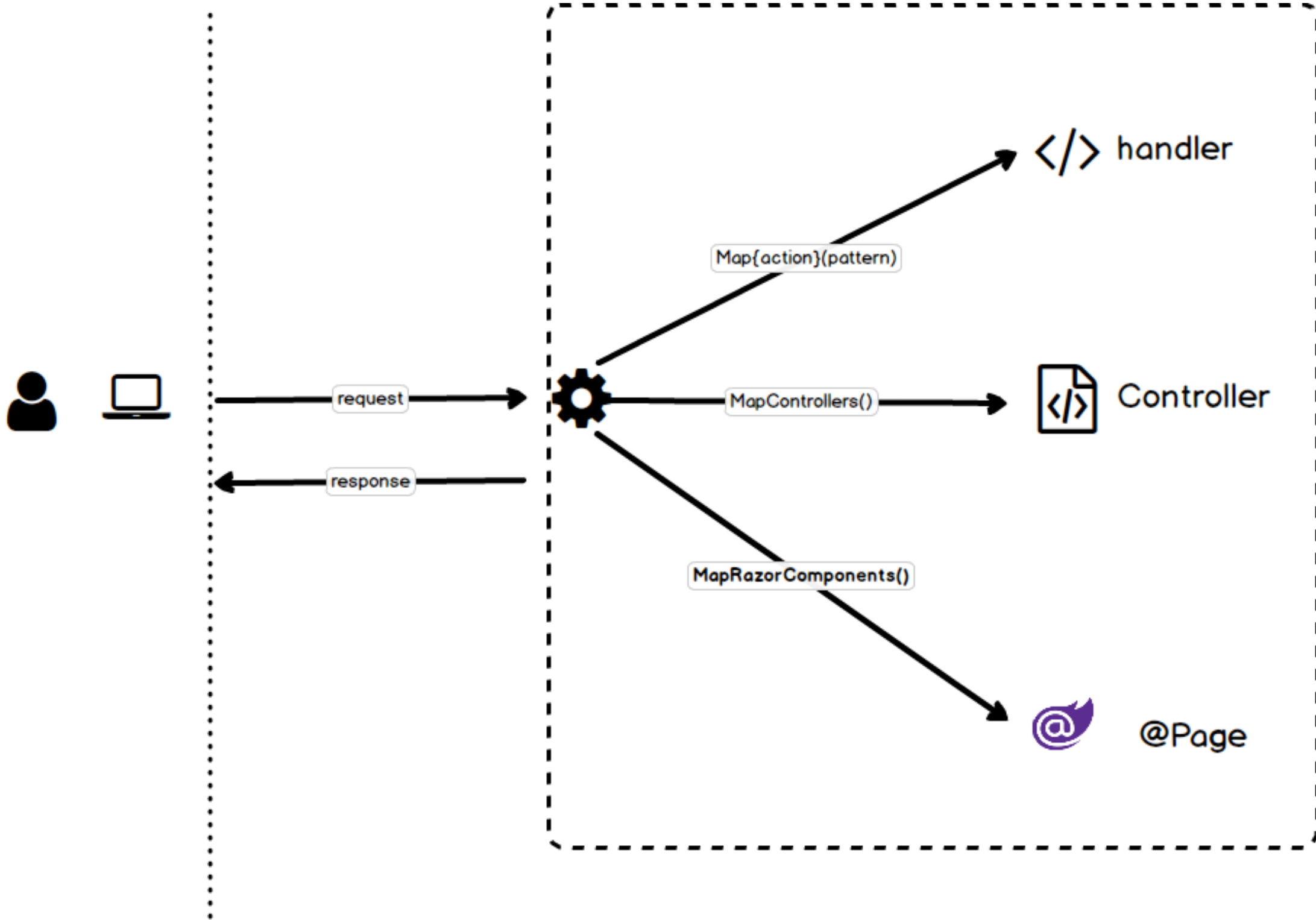
\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*  
\*\*\*\*\*

cena: 200 zł

Zadanie #2 Dashboard







Type	Implementation
Faker<Customer>	CustomerFaker
ICustomerRepository	InMemoryCustomerRepository
IEnumerable<Customer>	sp => ....

1

Render()

```
<em>Loading customers...</em>
```

3

```
<ul>  
  @foreach (var customer in customers)  
  {  
    <li>@customer.Id @customer.Name  
    @customer.Email</li>  
  }  
</ul>
```

OnInitializedAsync()



2

Task<T>

Render()



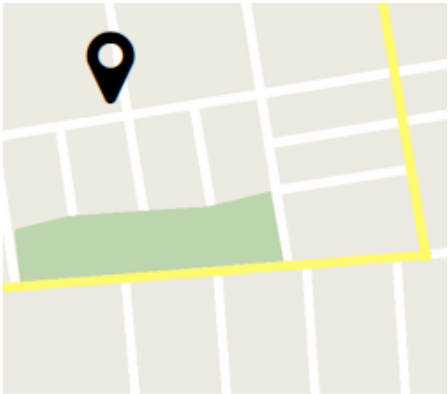
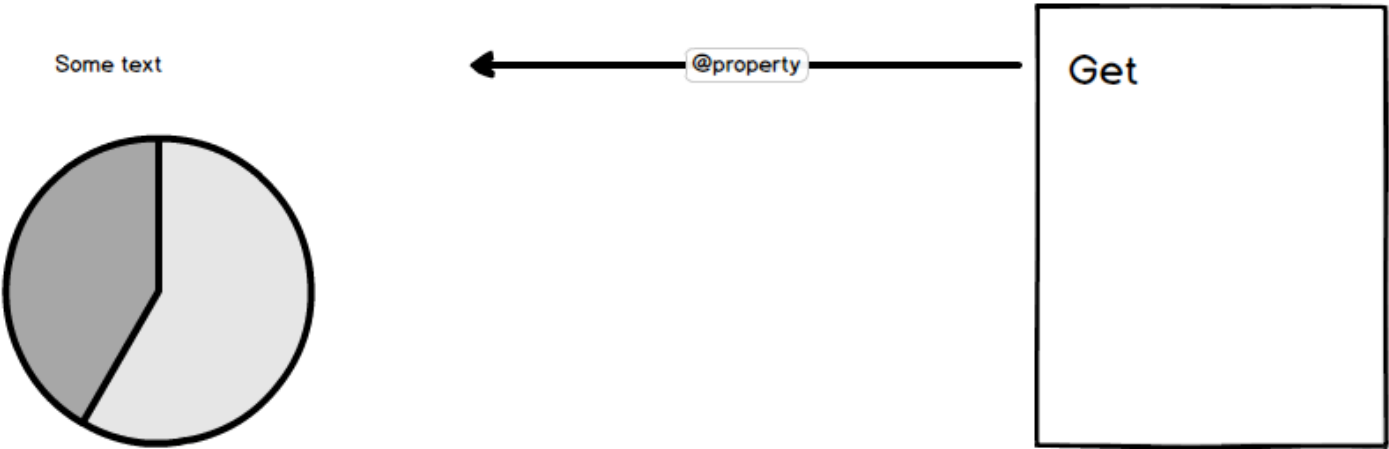
OneTwoThreeFour

OneTwoThreeFour

◀ JUNE 2025 ▶

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					
1	2	3	4	5	6	7

One-way



Two-way

