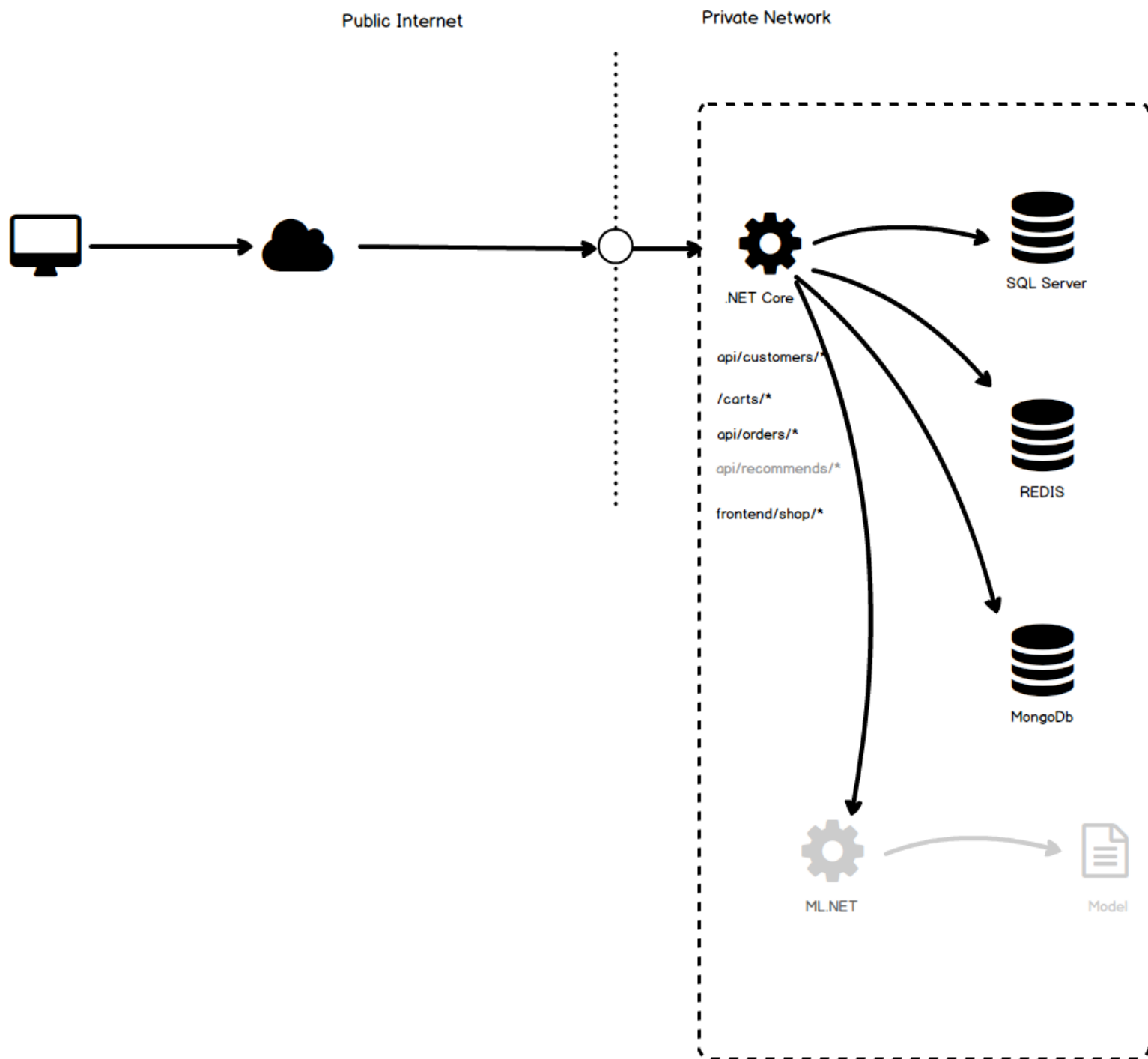
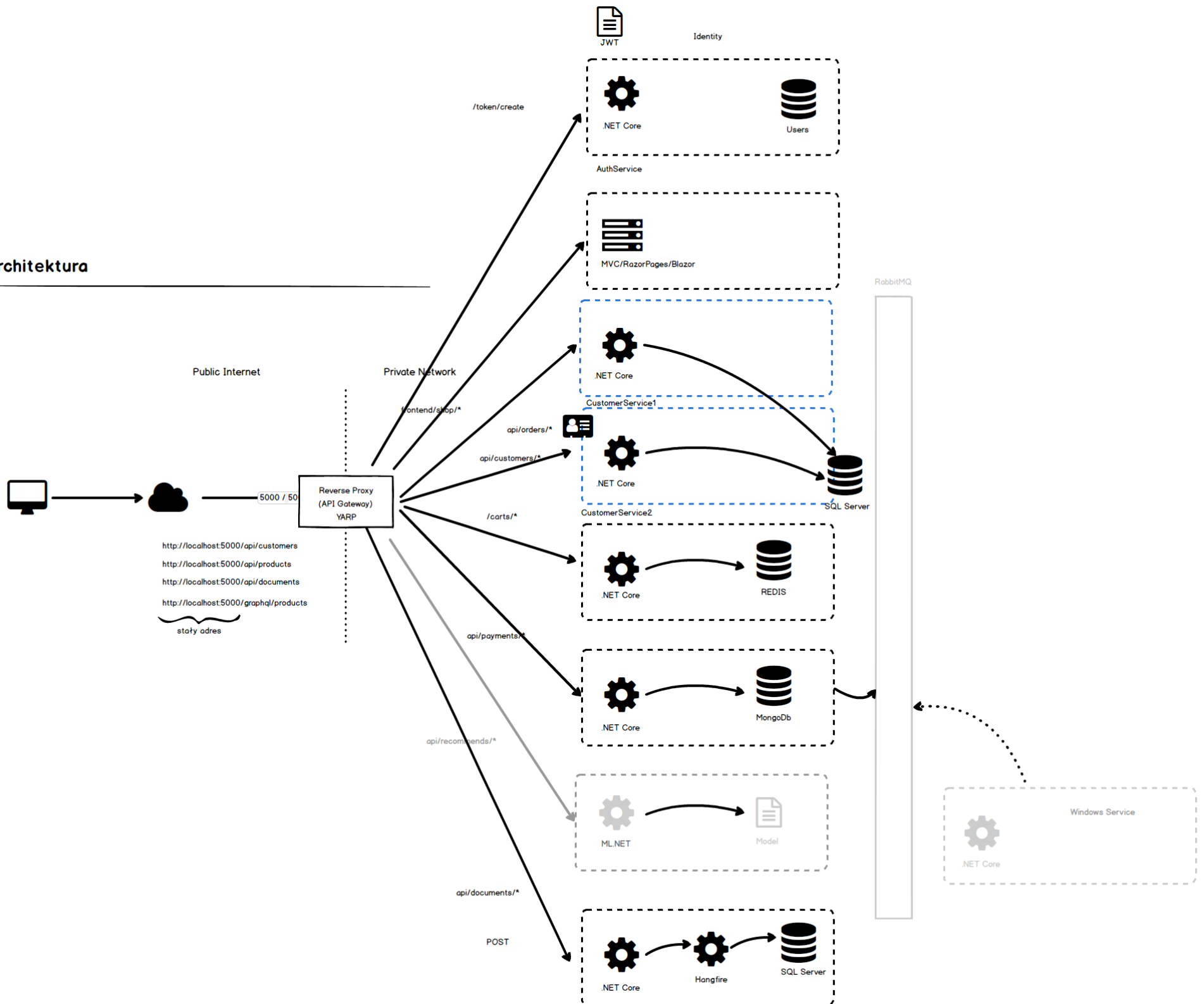


# Architektura Monolit

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## Architektura



Mikroustugi	Monolit
<ul style="list-style-type: none"><li>- Małe (2 osobowy zespół, 2 tygodnie tworzenie)</li><li>- Odpowiedzialne robienie dobrze jednej rzeczy</li><li>- Część większej całości</li><li>- Samowystarczalne / Autonomiczne</li><li>- Skalowalne</li></ul>	<ul style="list-style-type: none"><li>- Duże</li><li>- Odpowiedzialny za wszystko</li><li>- Brak podziału</li> <li>- Trudne w skalowaniu</li></ul>
<p>korzyści</p> <ul style="list-style-type: none"><li>- łatwiejsze do zmiany i wdrożenia (małe i niepowiązane)</li><li>- mogą być zbudowane z użyciem różnych technologii</li><li>- rozwijające się wraz z organizacją</li><li>- odporne na awarie: 1 usługa może ulec awarii, pozostałe będą działać</li><li>- skalowalne: możesz skalować tylko te usługi, których potrzebujesz do tego</li><li>- mogą być wymienne</li><li>- łatwiejsze testowanie</li></ul>	<p>korzyści</p> <ul style="list-style-type: none"><li>- łatwiejsze do zaprojektowania</li></ul>
<p>wady</p> <ul style="list-style-type: none"><li>- trudniejsze w projektowaniu</li></ul>	<p>wady</p> <ul style="list-style-type: none"><li>- trudne w rozwijaniu</li><li>- testowanie zabiera mnóstwo czasu</li></ul>



http://



Login

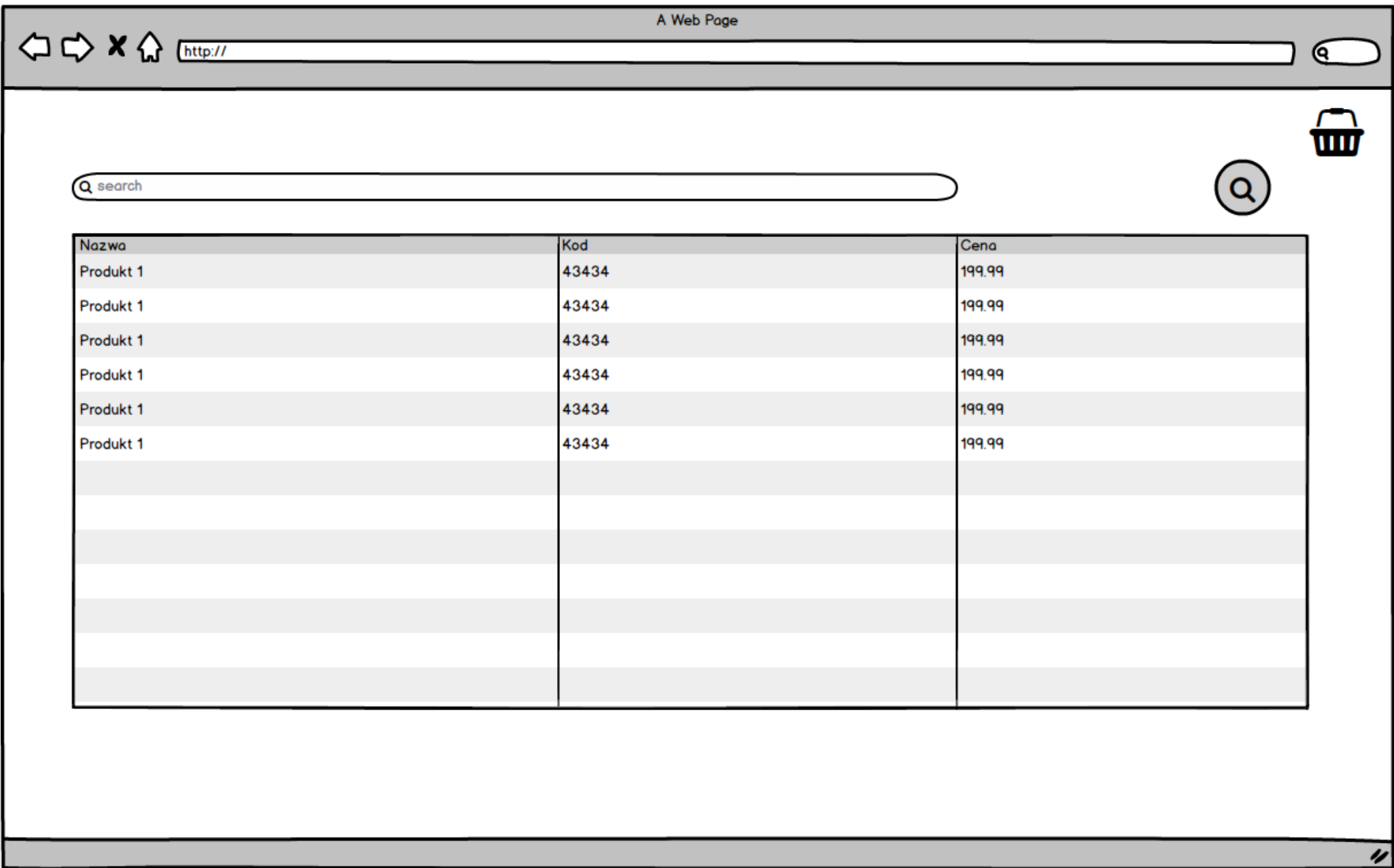
John

Password

\*\*\*\*\*

Register

Login





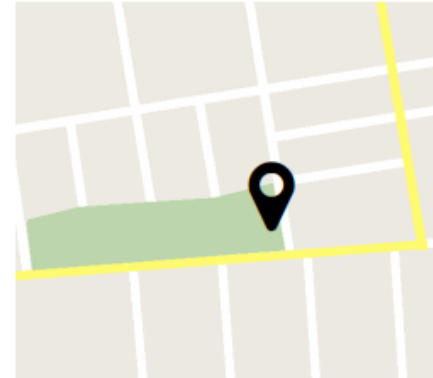
http://



Register



http://

Register



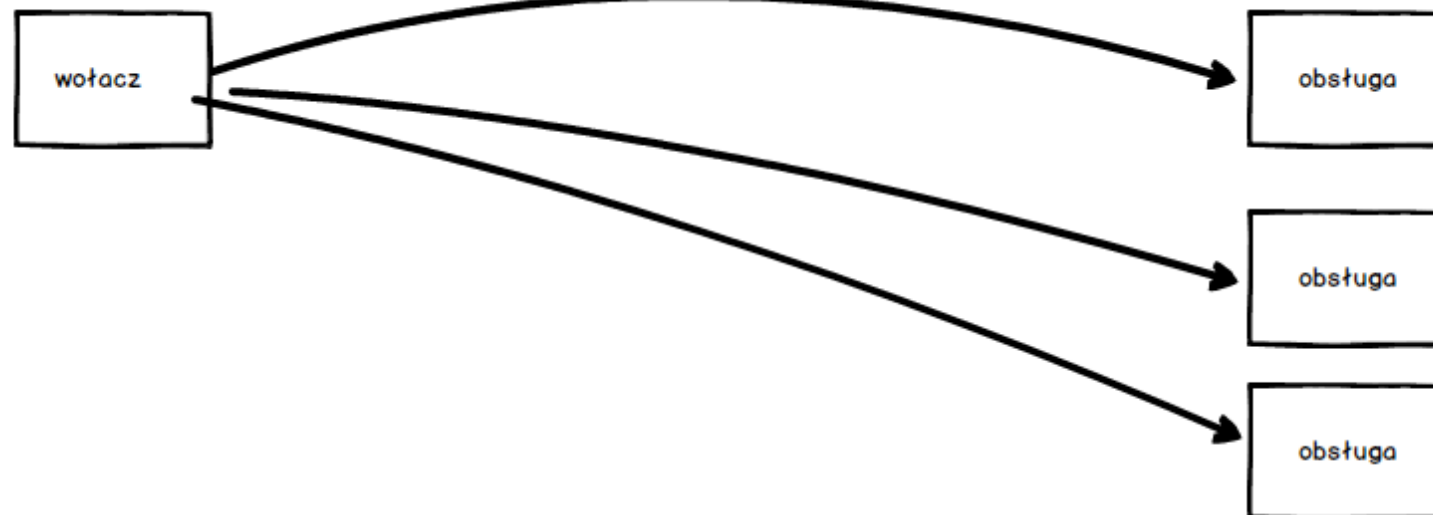
Domain Driven Development

Api
DbRepositories / DbServices
IRepositories / IServices
Models

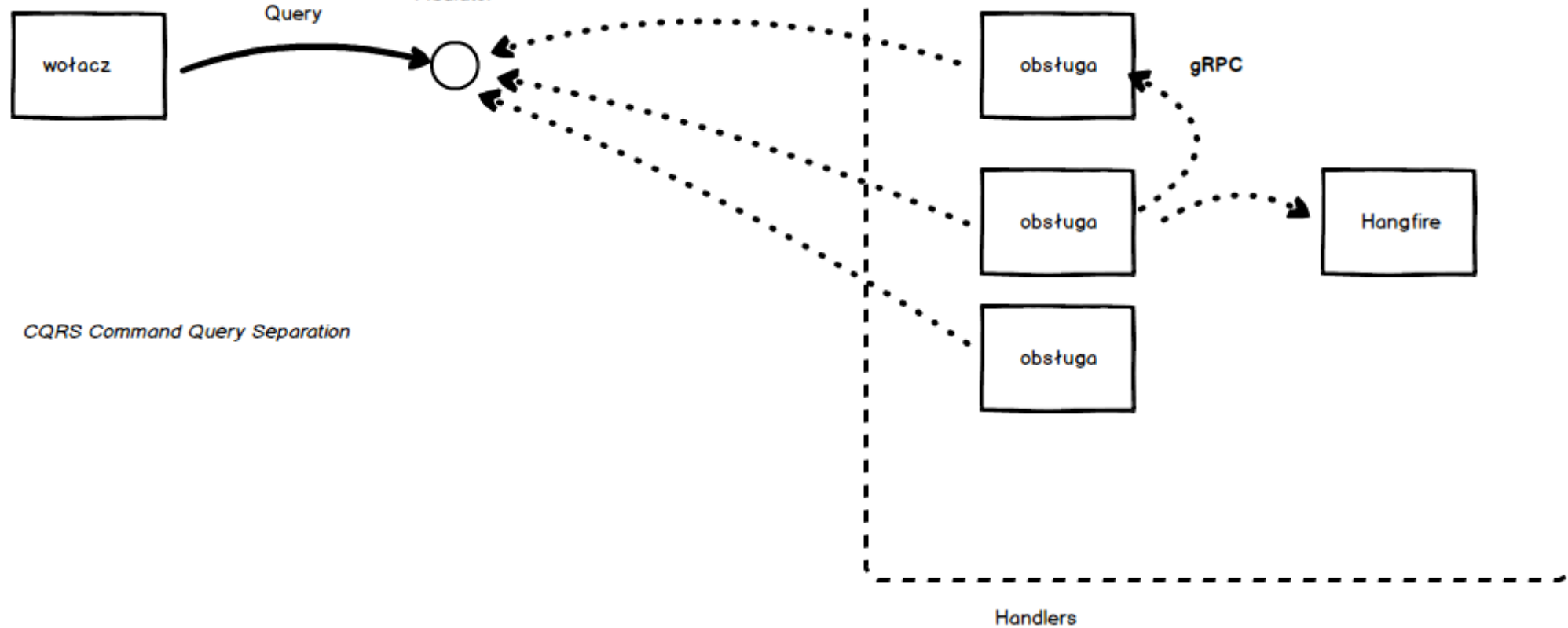
Api	Api		
DbRepo	DbRepo		
IRepo	IRepo		
Model	Model		
CustomerService	ProductsService		



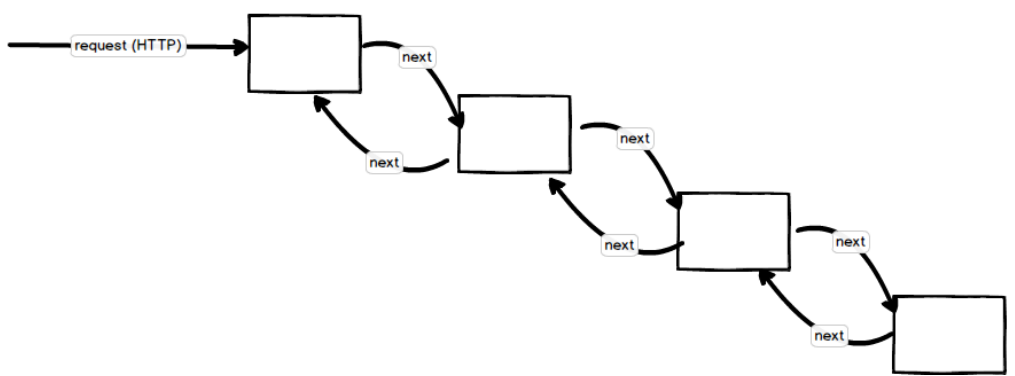
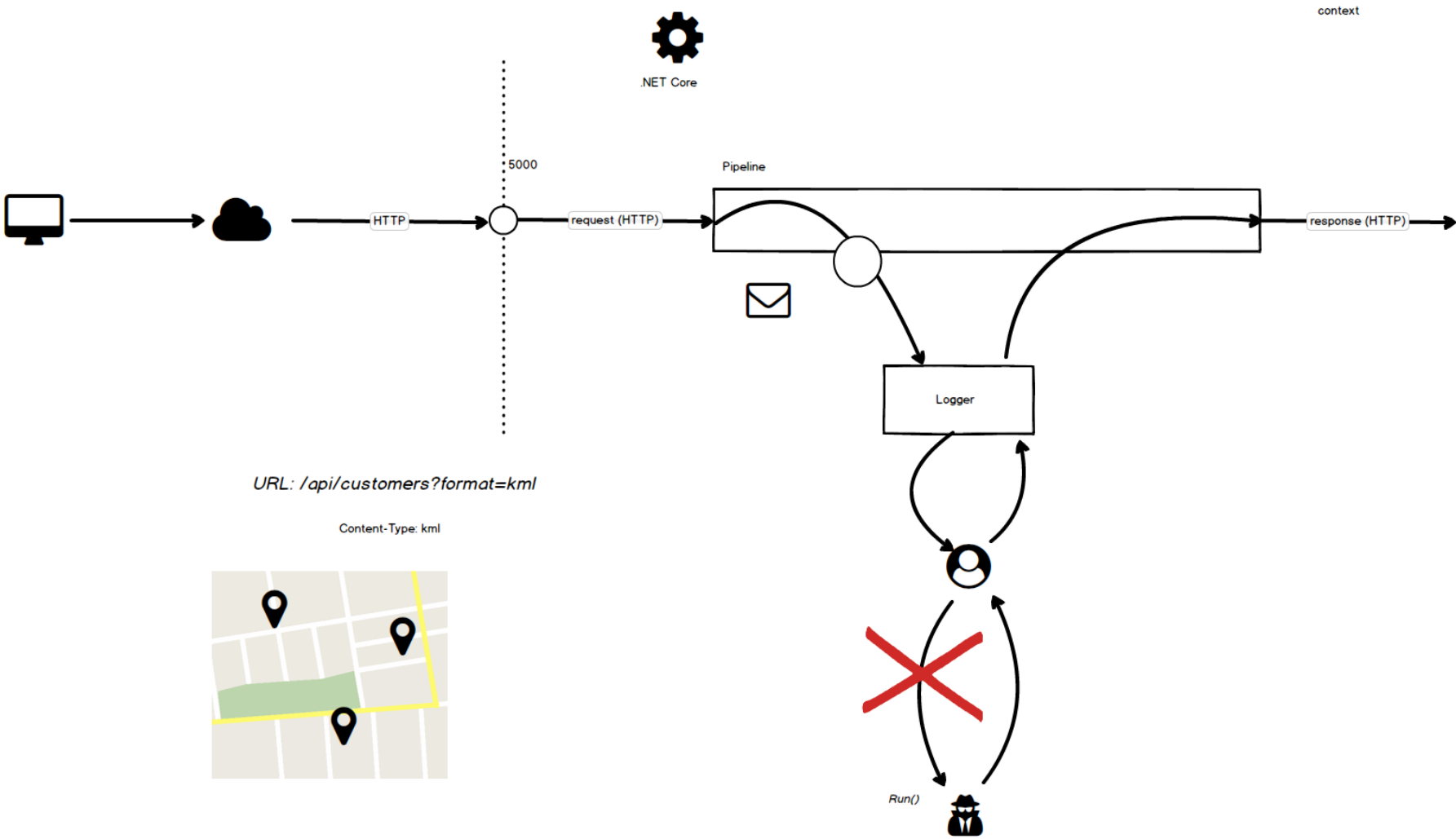
Controller



Controller



*CQRS Command Query Separation*



key:    A                    B                    C                    C

appsettings.json



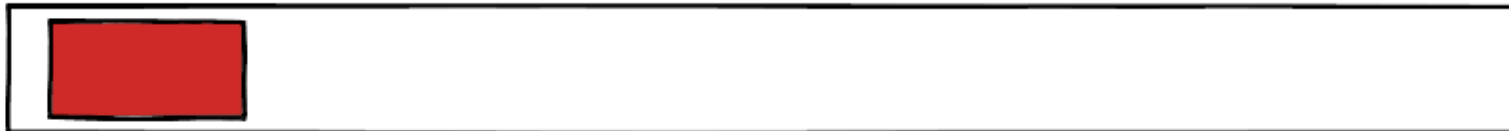
appsettings.testing.json



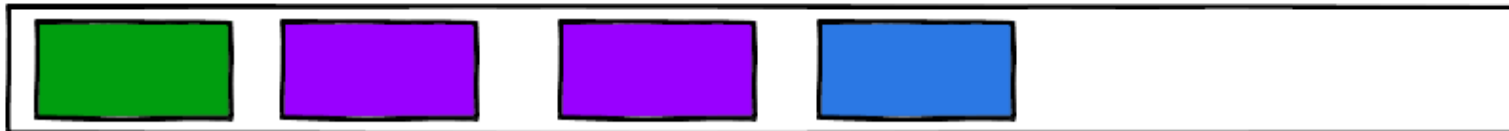
appsettings.xml



secrets.json



rezultat



JS



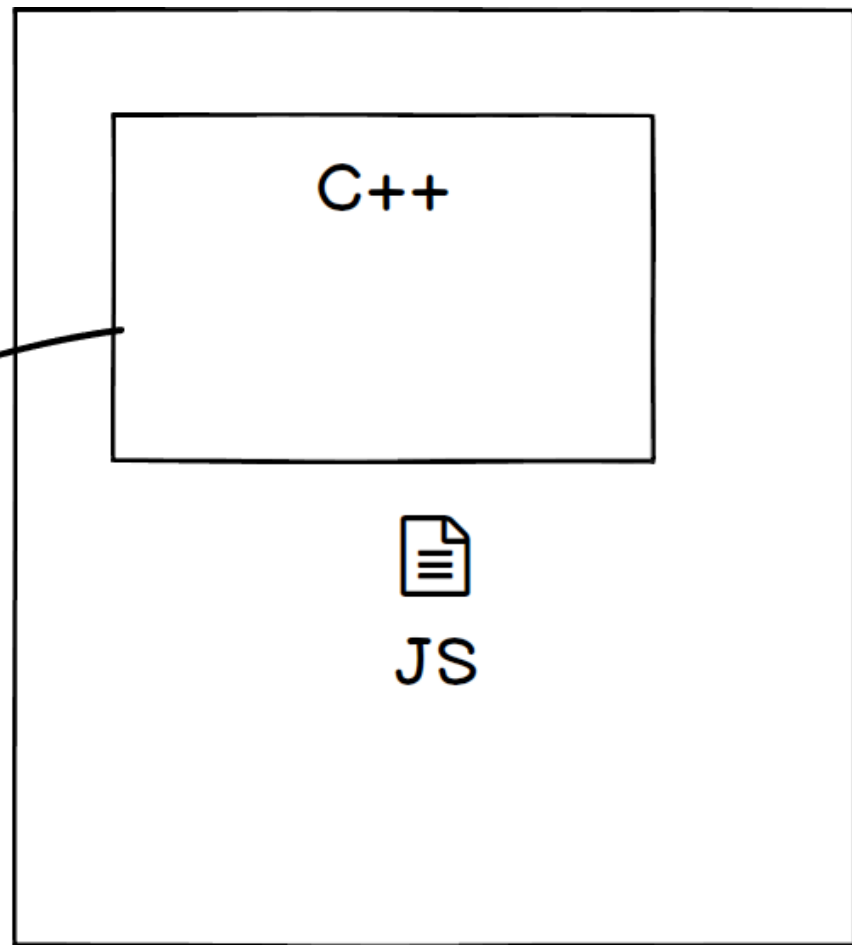
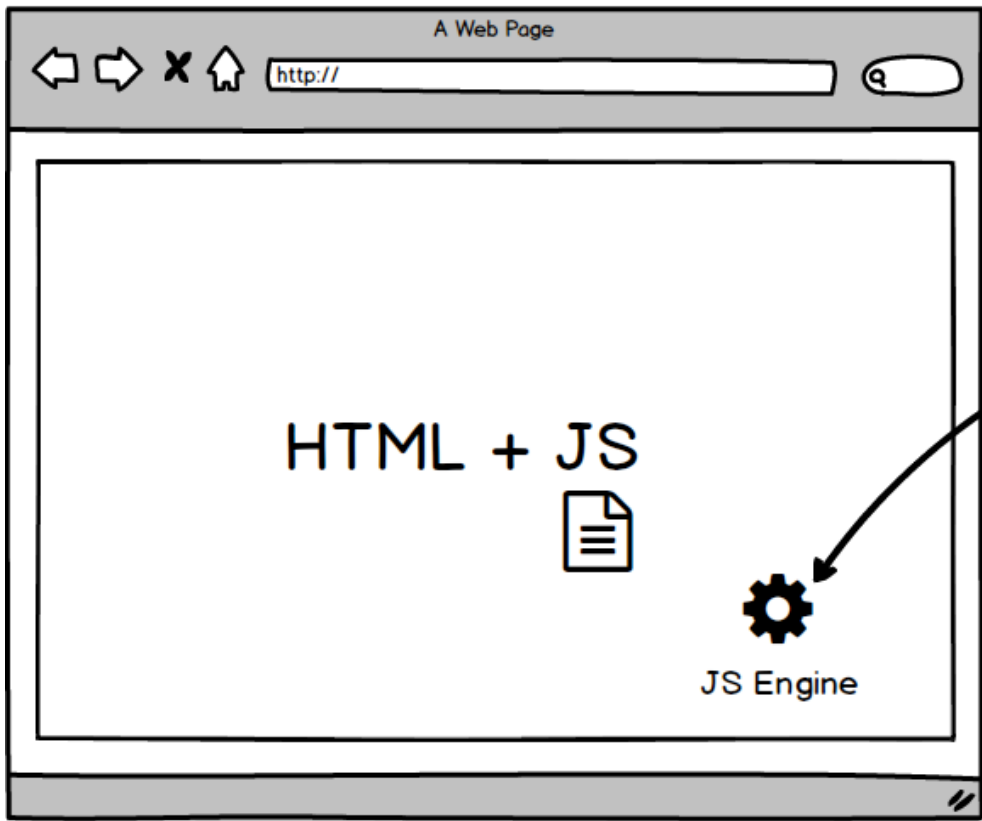
Blazor

WebAssembly (WASM)

HTML + JS

electron

node.js



node.js

dynamic      expandoobject

DuckTypes

ProductDTO

Abc.Shoppper.Product

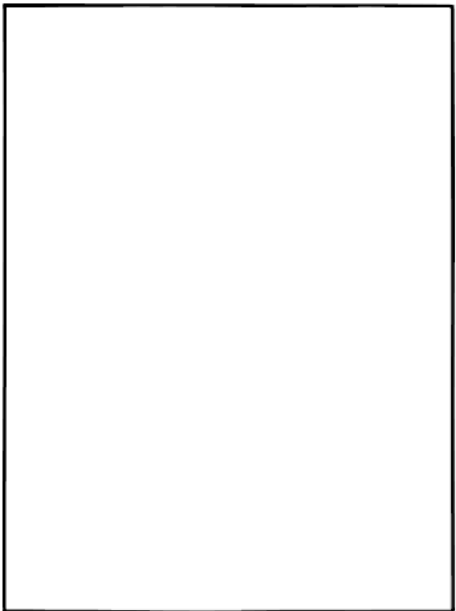


```
ProductDTO product = new ProductDTO { .... }
```

**AutoMapper**

SourceGenerator

*delegate input -> bool*



*v1      if (flaga = 1 && 2) { }*  
*v2      if (flaga = 2) { }*  
*v3      if (flaga = 3) { }*

*bool Predikat(input) { ... }*

*v1      delegate1*  
*v2      delegate2*  
*v3      delegate3*





proto



stub-client.cs



stub-server.cs

Remote Call Procedures

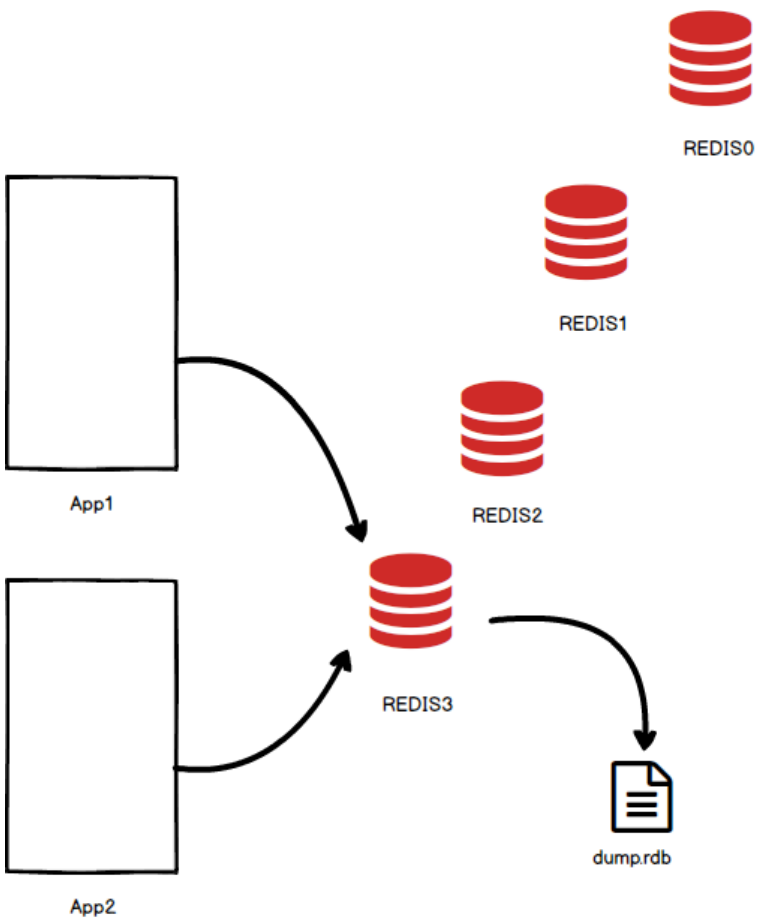
xmlRpc

jsonRpc

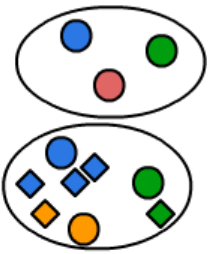
Google Remote Call Procedures gRPC

proto-buf

HTTP/2



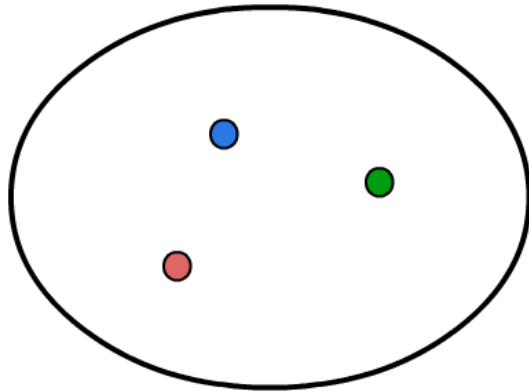
Key	Value			
Key1	Lorem	10		String
Key1	<u>A, B, C</u>			Zbiory (Sets)
Key5	A	B	C	Tabele asocjacyjne (Hashes)
	f1: a, f2:	f1: a, f2:		
Key2	<u>A-w1, B-w2, C-w3</u>			Zbiory (Sorted Sets)
Key3	A, B, C, A			Listy (Lists)
Key4	<u>A-geo, B-geo, C-geo</u>			Geo
Key6	0101001			Bitmaps
Key7	Pub/Sub			
Key8	Stream			



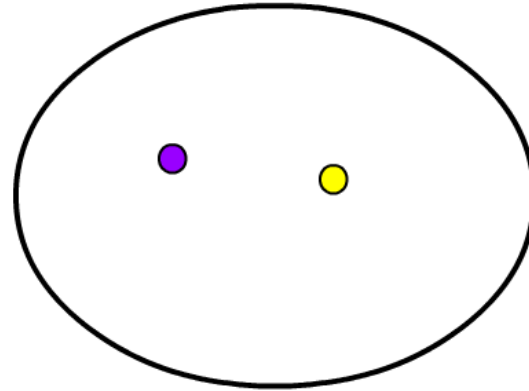
Key: Cart-1

Item-1111	1	10,99 PLN	Red	
Item-4444	3	99,00 PLN	Blue	
Item-0101	3	99,00 PLN		

Producent

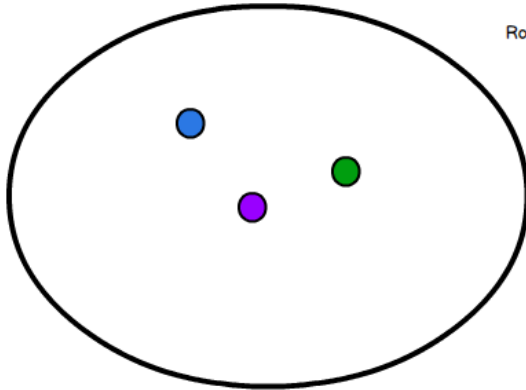


Nike

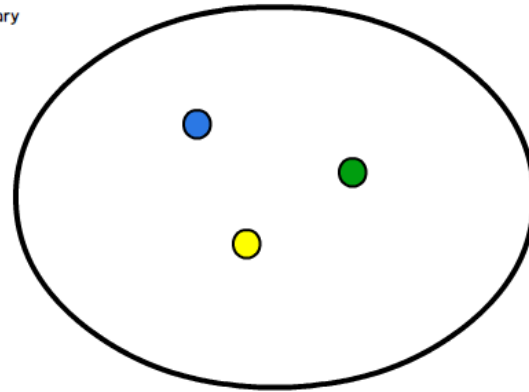


Adidas

Rozmiary

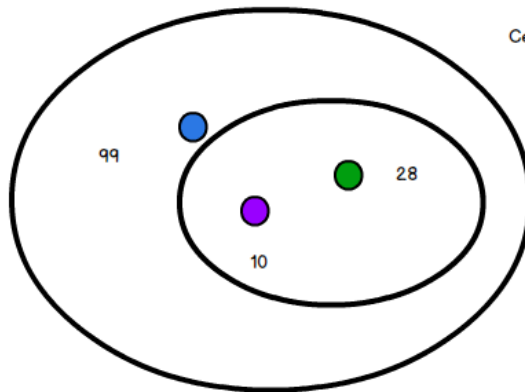


XL

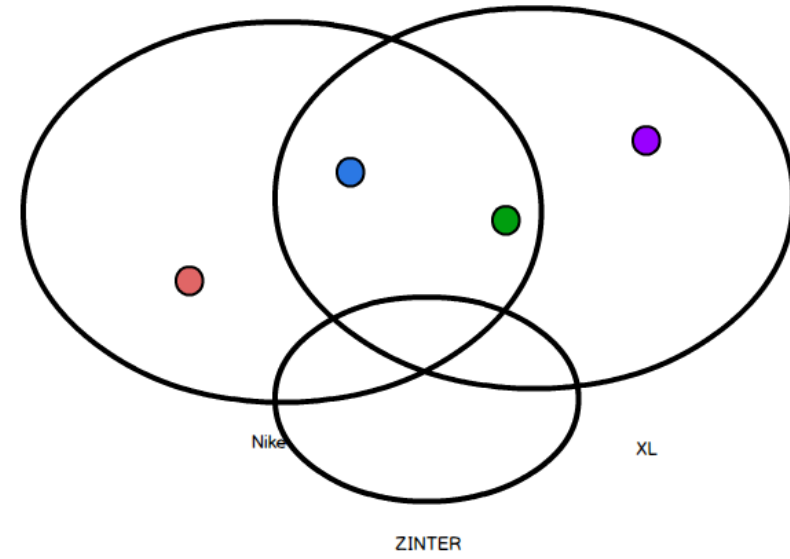


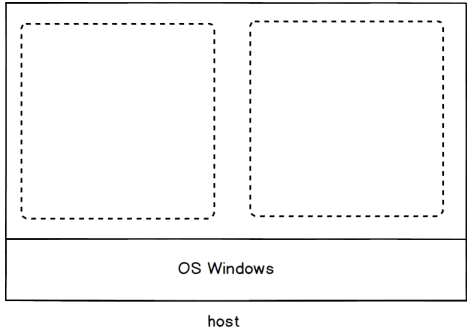
L

Cennik



Nike & XL & Cenna pomiędzy 10..70

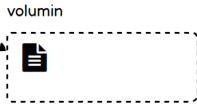
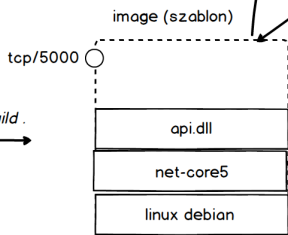




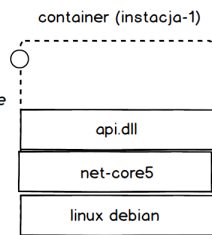
hub.docker.com

Dockerfile  
YAML

*docker build .*



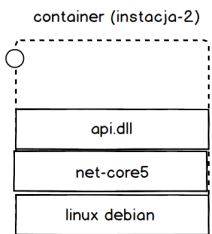
*docker run myimage*



*docker start {container}*

*docker stop {container}*

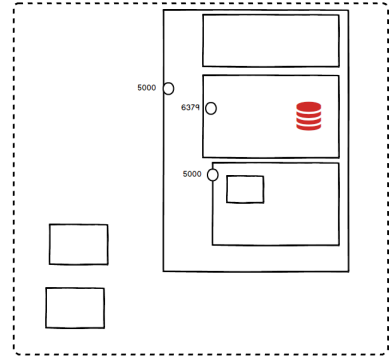
*docker rm {container}*



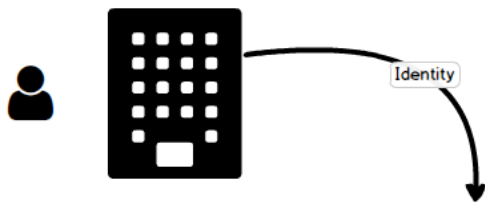
docker-compose.yml

*docker-compose up*

*docker-compose down*



*IPrincipal*



*IIdentity*



**IsAuthenticated**

Name

AuthenticationType

Roles / Uprawnienie

GenericPrincipal

ClaimsPrincipal

Type	Value
kat	B
kat	C
data-waznosc	2030-01-01
Role	Trainer
Role	Developer
Phone	555-111-000
Email	marcin.sulecki@sulmar.pl

Claim

Claims