.NET Framework

4.7   4.8

.NET Core

1.0   2.0   **3.0**   .NET 5   **.NET 6**   .NET 7

WPF, WinForms   EF Core 7

SOAP

CoreWCF 1.0

.NET Standard

Domain

.NET Framework		.NET Core				
IIS	Self Hosting	Windows	Linux	MacOS	Android	IOS
Windows		IIS	Apache / ngnx	Apache / ngnx		
Winforms	WPF	Winforms / WPF			Xamarin	
		MAUI	MAUI	MAUI		
		Avalonia UI				
		Blazor				

.NET Core								
dotnet	Visual Studio		Visual Studio Code			Rider		
	Windows	MacOS	Windows	MacOS	Linux	Windows	MacOS	Linux

GET api/customers

GET api/customers/1

request (żądanie)

SQL

response (odpowiedź)

recordset

JSON / XML
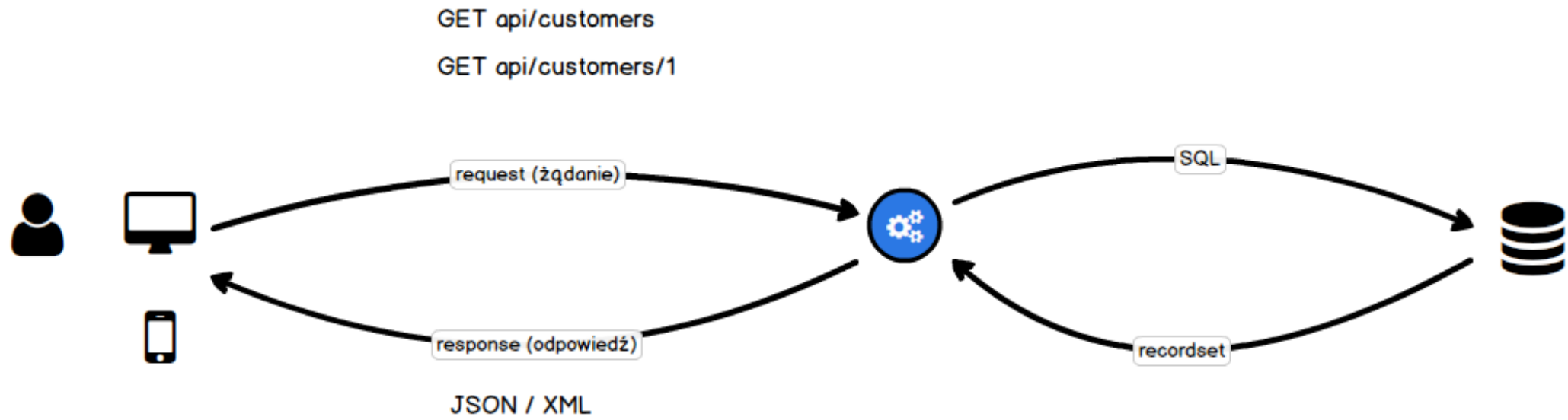
GET /api/customers/{customerId}?city={city}&street={street}
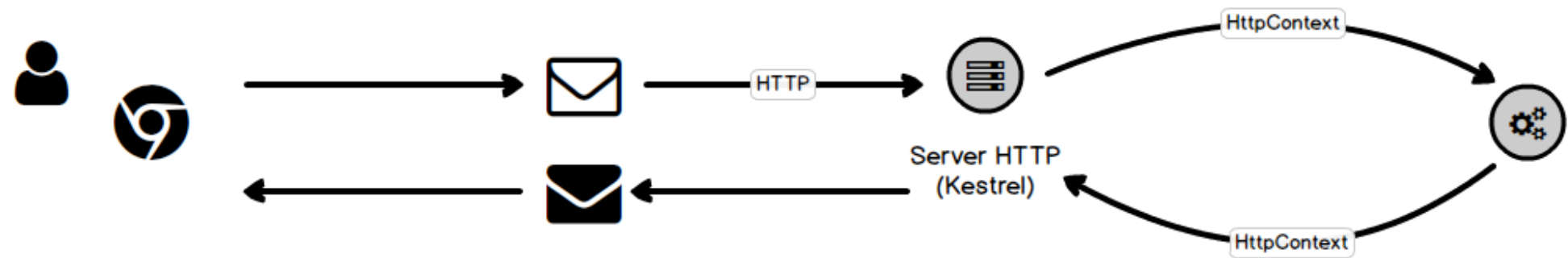
Verb

Route Params

Query Params

Url

GET /api/customers/1 HTTP/1.1
Host: localhost
Accept: application/json
\n\r

HttpContext
 - HttpRequest Request {get; set; }
 - HttpResponse Response {get; set; }
 - environment

http://localhost:5000/api/customers/1

HTTP

HttpContext

HttpContext

Server HTTP
(Kestrel)

|		request	response
GET	Pobierz	GET /api/customers/1 HTTP/1.1 Host: localhost Accept: application/json \n\r	200 OK Content-Type: application/json

POST	Utwórz	POST /api/customers HTTP/1.1
		Host: localhost
		Content-Type: application/json
		Accept: application/json
		
		{
		 "FirstName":"John",
		"LastName":"Smith", "Salary":1000
		}
		\n\r
			201 Created
			Location: http://localhost:5000/
			api/customers/1
			Content-Type: application/json
			
			{
			 "Id":1, "FirstName":"John",
			"LastName":"Smith", "Salary":
			1000
			}
			\n\r

SOLID - Zasada Odwróconej zależności

Interface

ICustomerRepository

CSVCustomerRepository : ICustomerRepository

call

call

objects

InMemoryCustomerRepository : ICustomerRepository

SQL Server

DbCustomerRepository : ICustomerRepository
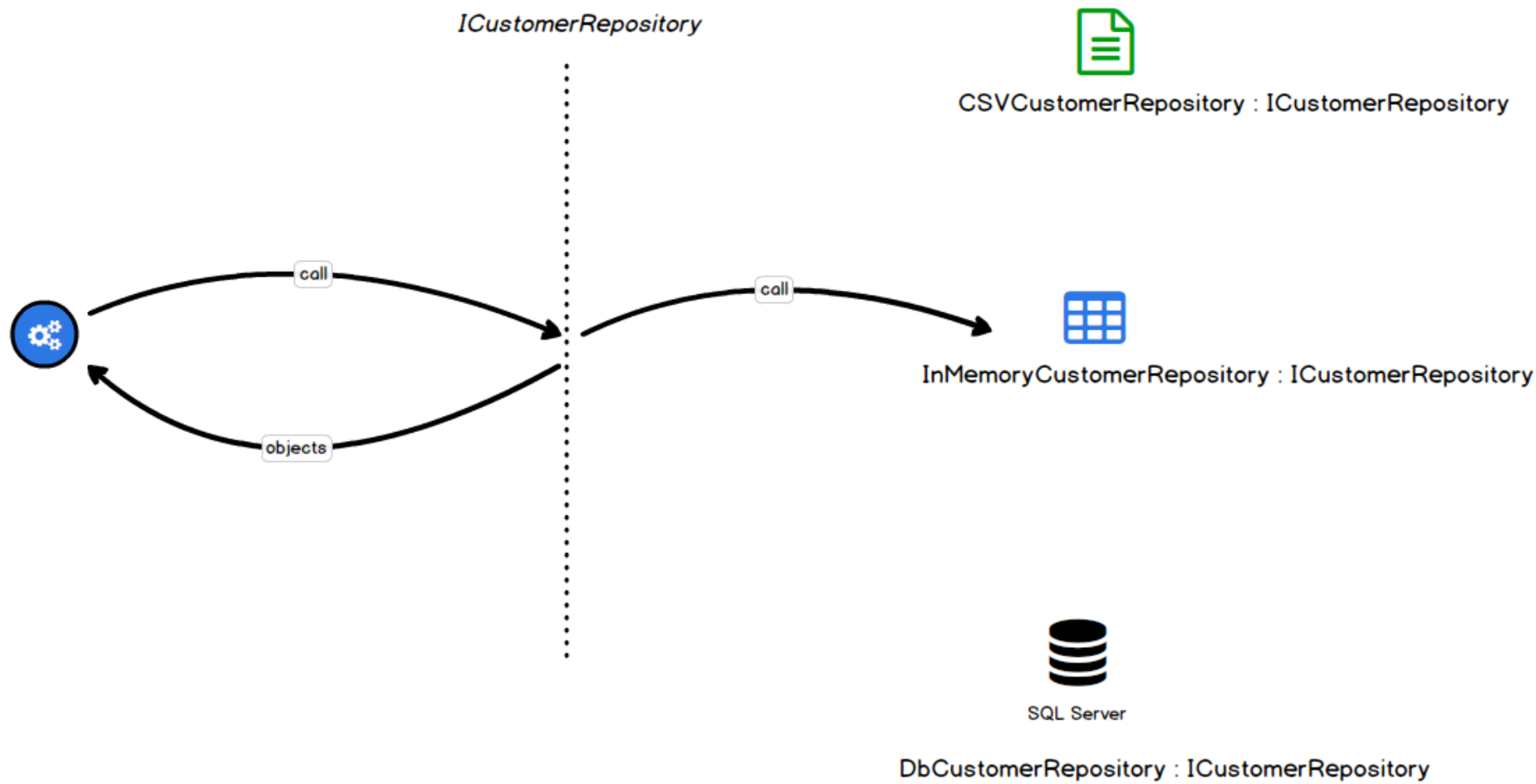
Type	Type
ICustomerRepository	InMemoryCustomerRepository
IProductRepository	DbProductRepository

http://

Name (job title)	Age	Nickname	Employee
Giacomo Guilizzoni Founder & CEO	40	Peldi	⦿
Marco Botton Tuttofare	38		☑
Mariah Maclachlan Better Half	41	Patata	⊟
Valerie Liberty Head Chef	:)	Val	☑
Data Grid Docs			☐

http://

Some text

Some text

Some text

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Some text

Some text

ComboBox