WebAPI

Controller

SQL

SQL Server

GET api/products

GET api/products/{id}

json

recordset

IIS / Apache / nginx

```
T item = new T();
```

```
T Factory.Resolve<T>()
```

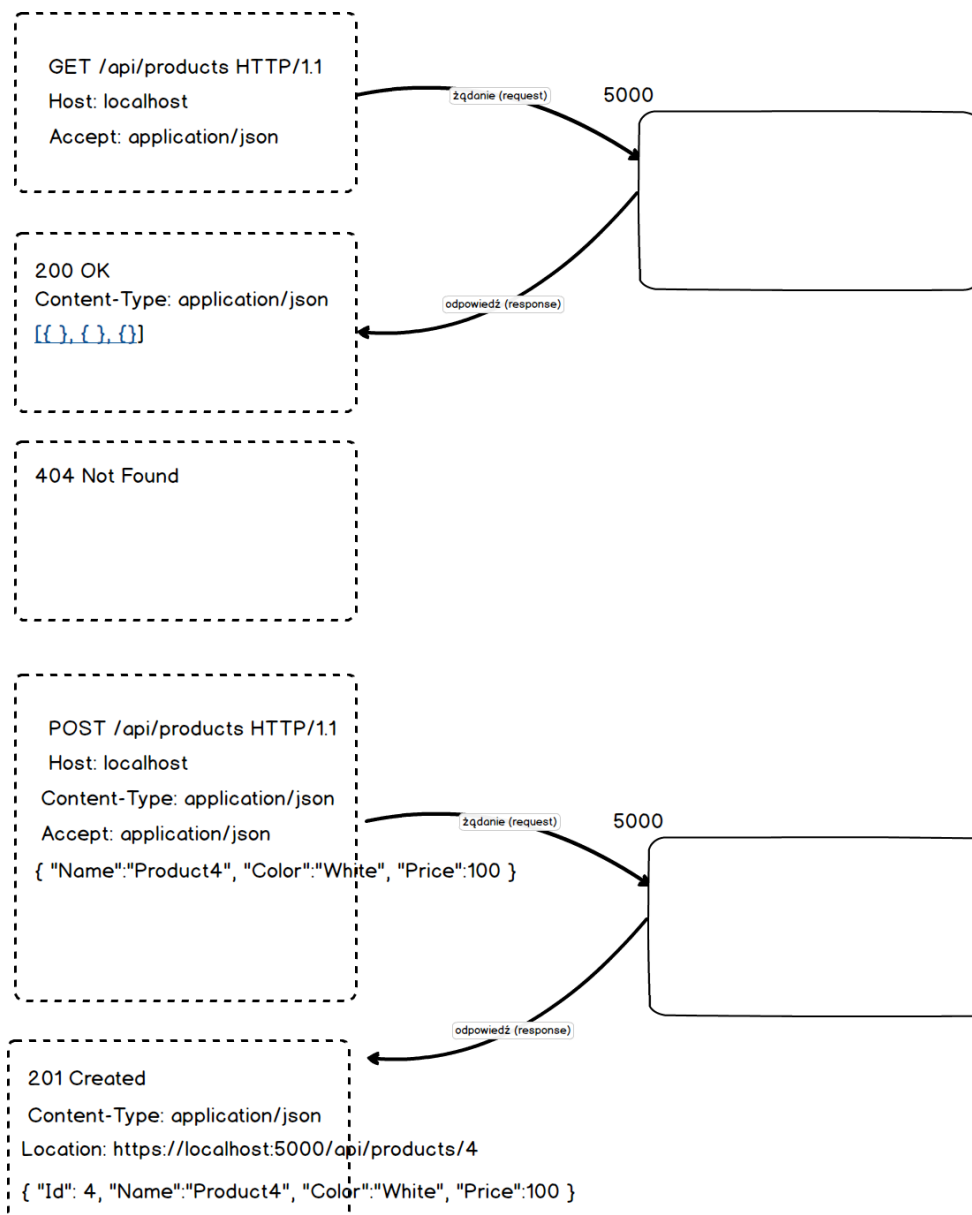| Type	Value
IProductRepository	DbProductRepository
ICustomerRepository	FakeCustomerRepository

Controller

View()

ApiController

Ok()

NotFound()

ControllerBase

Ok()

NotFound()

Controller : ControllerBase

View()

GET /api/products HTTP/1.1
Host: localhost
Accept: application/json

żądanie (request)

5000

200 OK
Content-Type: application/json
[{ }, { }, {}]

odpowiedź (response)

404 Not Found

POST /api/products HTTP/1.1
Host: localhost
Content-Type: application/json
Accept: application/json
{ "Name":"Product4", "Color":"White", "Price":100 }

żądanie (request)

5000

odpowiedź (response)

201 Created
Content-Type: application/json
Location: https://localhost:5000/api/products/4
{ "Id": 4, "Name":"Product4", "Color":"White", "Price":100 }

Akcje HTTP (HTTP Methods)
_____

GET - pobierz

POST - utwórz

PUT - zamień

PATCH - zmień

DELETE - usuń

HEAD - czy istnieje

myblog.com/posts/net-core
myblog.com/posts/net-core/hello-world
myblog.com/posts/net-core/web-api

myblog.com/posts/ef-core

SOAP, WCF   RPC (Remote Procedure Calls)

REST API   Resources

POST https://localhost:5000/api/reports

GET https://localhost:5000/api/reports/{reportId}

GET api/customers/{customerId}/products

Zadanie #1

(1) Dodawanie klienta

(2) Pobieranie listy klientów

(3) Pobieranie klienta na podstawie id

(4) Modyfikacja klienta

(5) Usuwanie klienta na podstawie id

Domain

Customer

Id
FirstName
LastName
Email
Gender
IsRemoved

Gender = { Male, Female }

appsettings.json

appsettings.xml

appsettings.development.json

pipeline

5000

HTTP

request   response

.Use()

next

.Use()

next

.Run()