ICustomerService

React

API (REST-API)

MVC

memory

SQL Server

request

Ograniczenie (ilość req/h)

request

request

request

response (json)

sql

API (REST-API)

Signal-R

Hub

sql

SQL Server

Service

Gateway

Hub

REST API

SELECT * FROM Customers WHERE Salary > 1000

| Signal-R |
| WebSocket |

SendCustomerAdded

Hub

CustomerAdded

CustomerAdded

Customer

Report

CreatedDate

DataDateFrom
DataDateTo
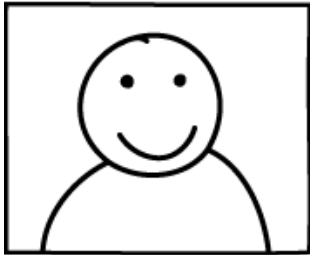
Details

ReportDetail

Name

int   Value

GET api/reports?From=2020-01-01&To2020-03-31

GET api/customers/{customerId}/reports

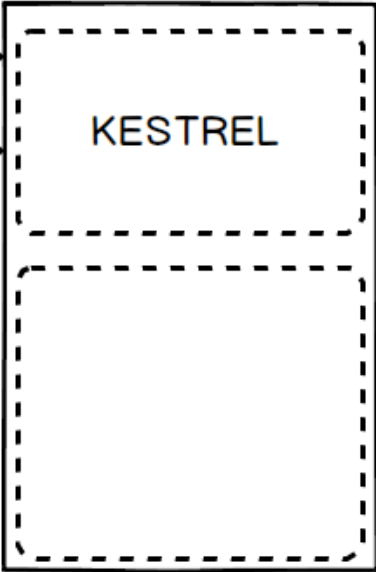GET api/customers/{customerId}/reports/{reportId}
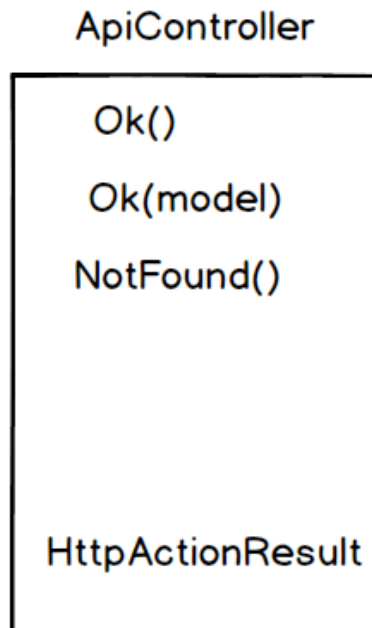
GET api/reports/{reportId}
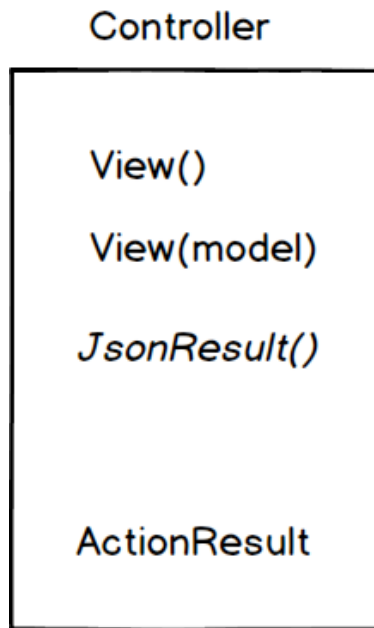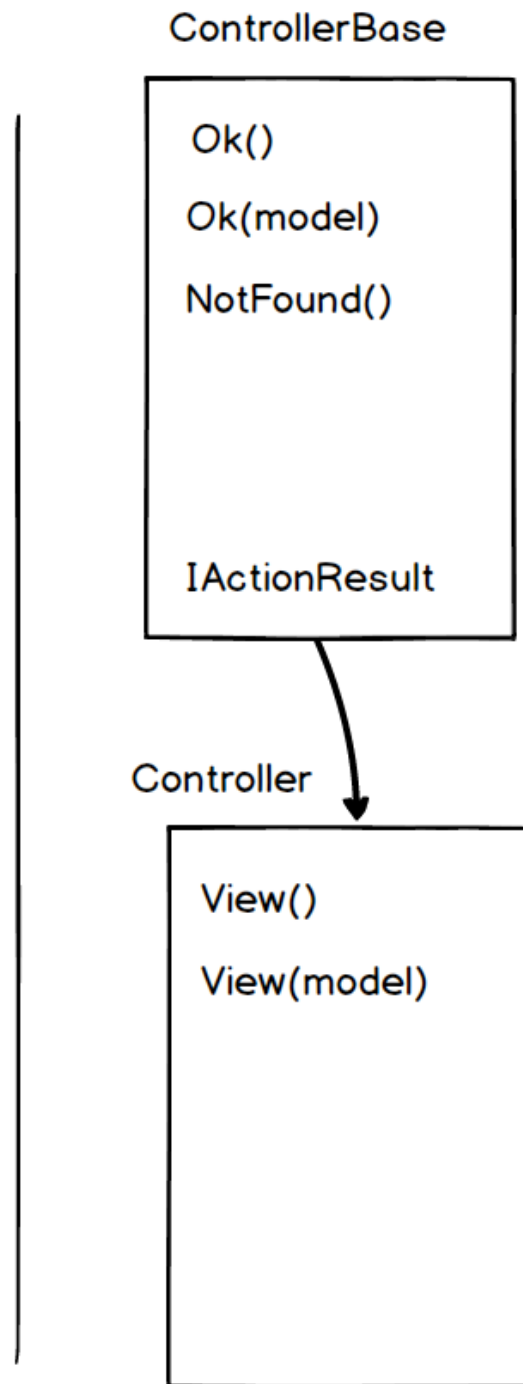
API

HTTP (5000)

HTTPS (5001)

KESTREL

GET api/customers

GET api/customers/male

GET api/customers/female

GET api/customers/10

GET api/customers/01-999

GET api/customers/02345656456465645

GET api/customers?FirstName=John&From=100&To=200

GET api/customers/10/orders

POST api/customers   utwórz

PUT api/customers/10   zamień

PATCH api/customers/10   zmień

DELETE api/customers/10   usuń

pipeline

request

response

ControllerBase

Ok()

Ok(model)

NotFound()

IActionResult

Controller

View()

View(model)

Controller

View()

View(model)

JsonResult()

ActionResult

ApiController

Ok()

Ok(model)

NotFound()

HttpActionResult

.NET Framework

.NET Core

appsettings.json

| O1 | O2 | O3 | O4 | O5 |

appsettings.xml

| O2 | O4 | O5 |

IConfiguration

| O1 | O2 | O3 | O4 | O5 |

pipeline

request | response

request | response

Use()

Middleware

next

Use()

Run()

/api/customers

request

reszta

/api/reports
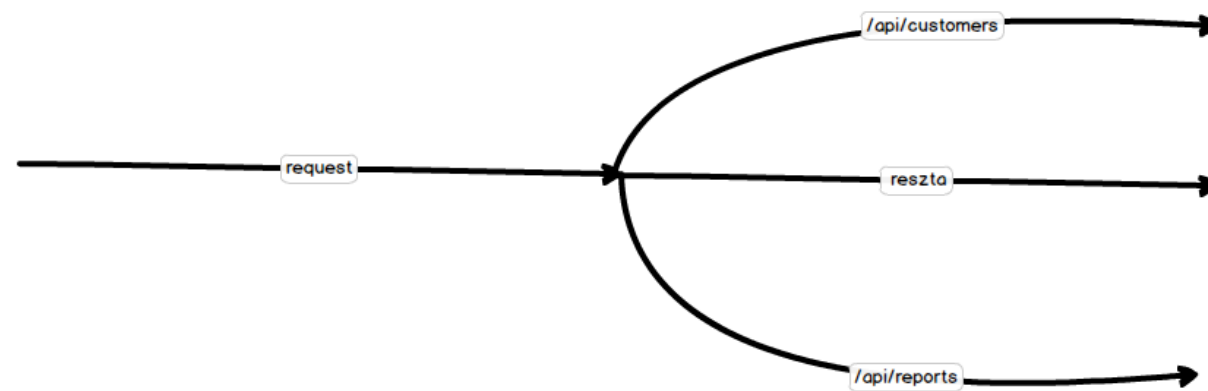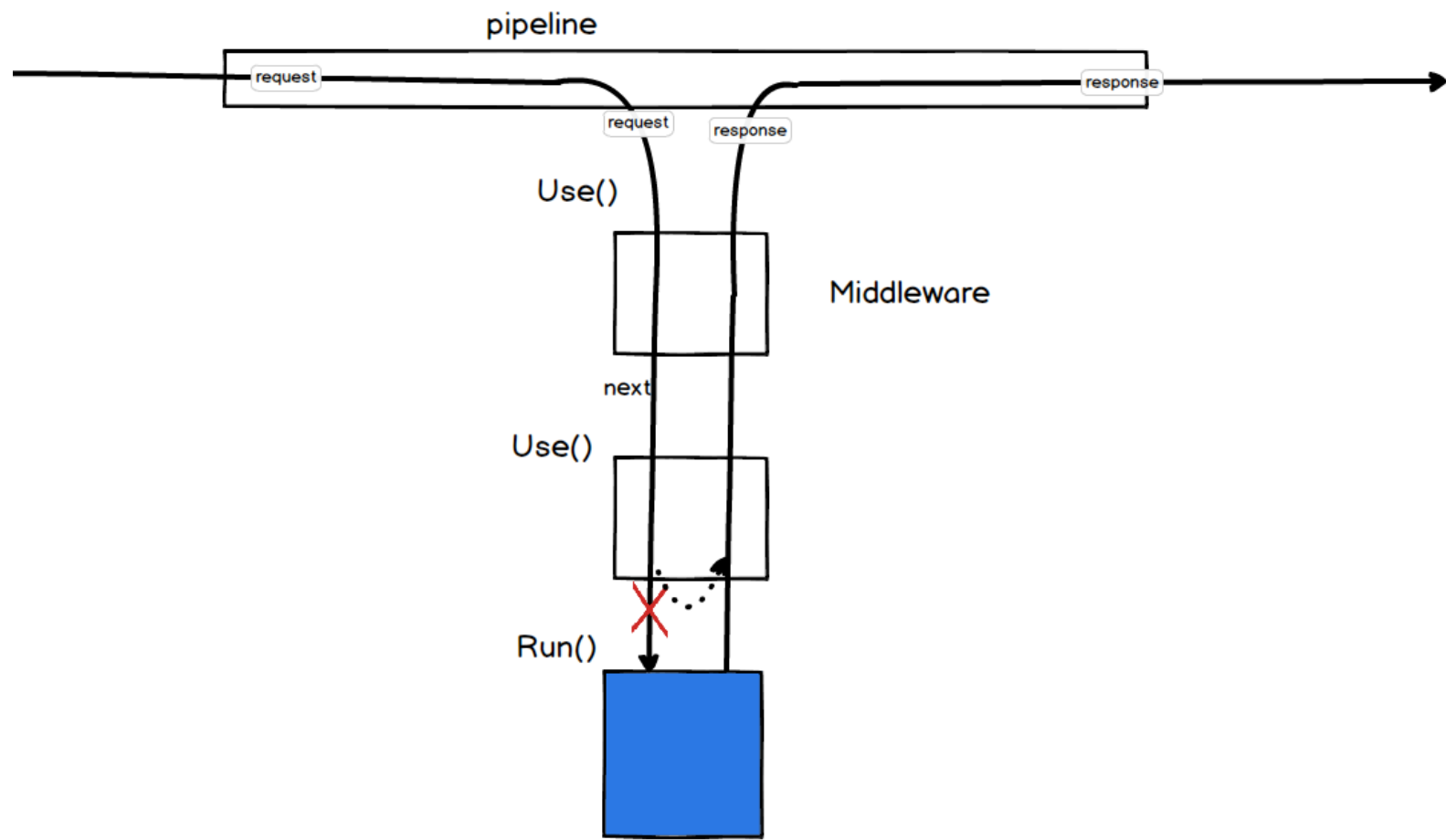
pipeline

request → response

GET http://localhost:5000/api/customers/10 HTTP/1.1
Host: localhost
Accept: application/json

IDictionary<string, string[]>

key	value
method	GET
path	http://localhost:5000/api/customers/10
protocol	HTTP
host	localhost
accept	application/json

IPrincipal

IIdentity

AuthenticationType

IsAuthenticated

Name

Headers

Key	Value
Authorization	{AuthenticationType} {login+hasło/token}

Scheme   Parameter

Basic

Key	Value
Authorization	Basic {base64(login:password)}

Scheme   Parameter

Bearer

Key	Value
Authorization	Bearer {token}

Key	Value
X-API-KEY	{api-key}

ClaimsIdentity : IIdentity

AuthenticationType

IsAuthenticated

Name

Claims

Typ	Value
Phone	555-656-545
Category	B
Category	C
Role	User