

*interface ICustomerRepository*

class CustomersController



WebApi

Get()

SQL



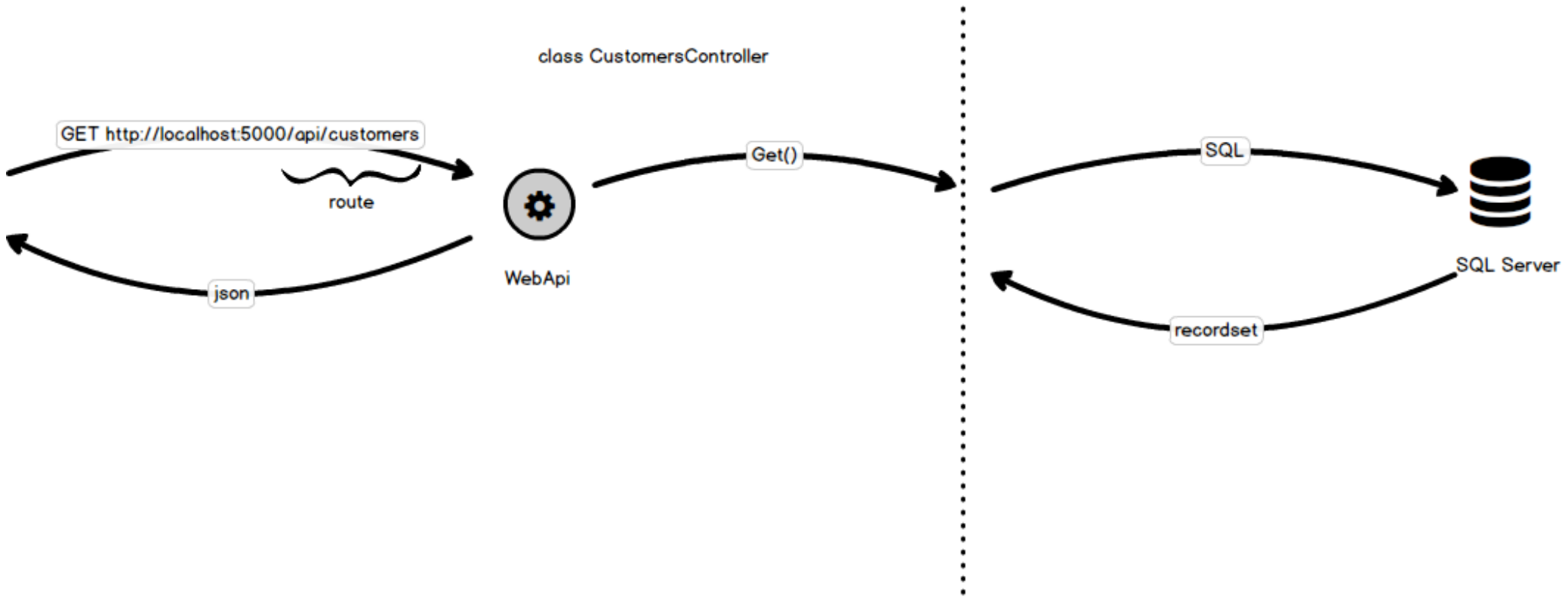
SQL Server

recordset

GET http://localhost:5000/api/customers

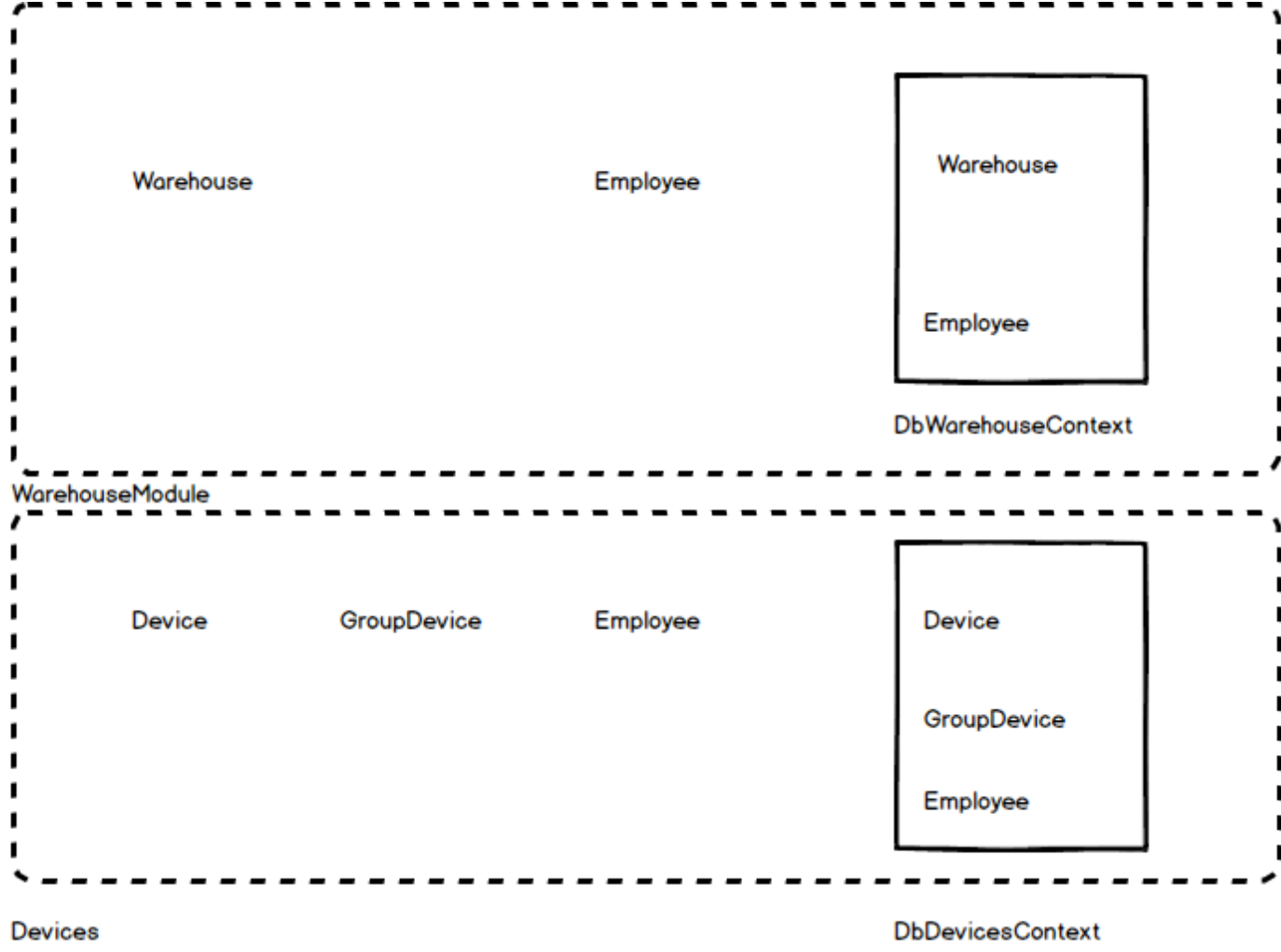
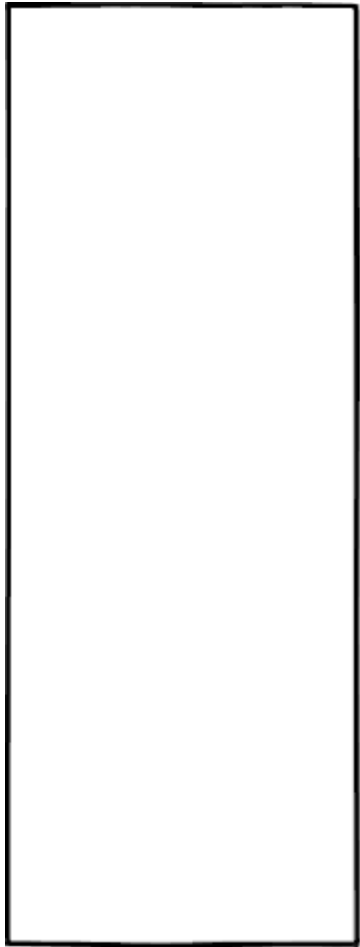
route

json



```
builder.Services.Add<ICustomerRepository, FakeCustomerRepository>();
```

Type	Value	Cykl życia
<i>ICustomerRepository</i>	FakeCustomerRepository DbCustomerRepository	Singleton
Faker<Customer>	CustomerFaker	Singleton





http://



Some text



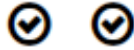
Some text



Some text



Some text



Some text



Some text



Some text

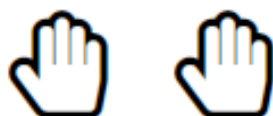


*GET api/customers/{id}/orders*



CustomersController

OrdersController





View

Controller

Model



MVC

GET api/customers HTTP/1.1

Host: localhost:5001

Accept: application/xml

—

200 OK

Content-Type: application/json

Server: kestrel

POST api/customers HTTP/1.1

Host: localhost:5001

Content-Type: application/json

Accept: application/xml

{ json }

—

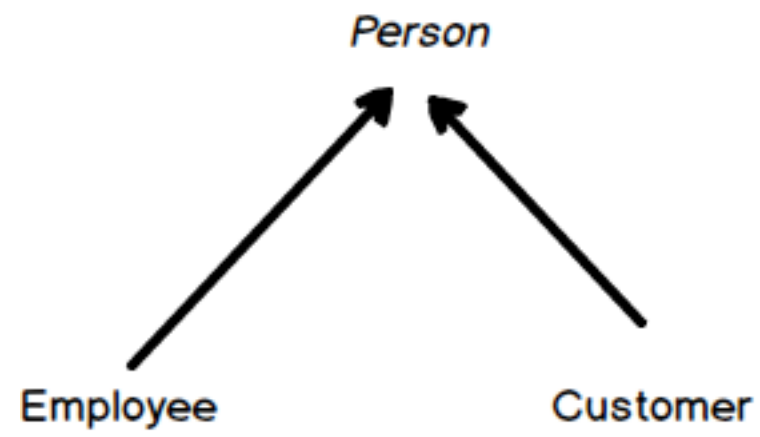
201 Created

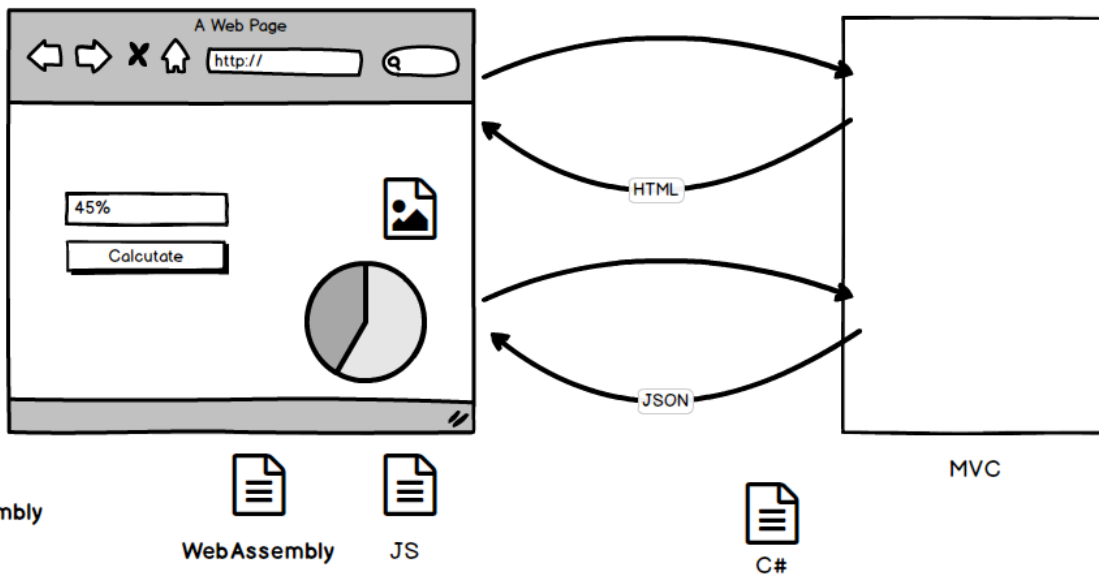
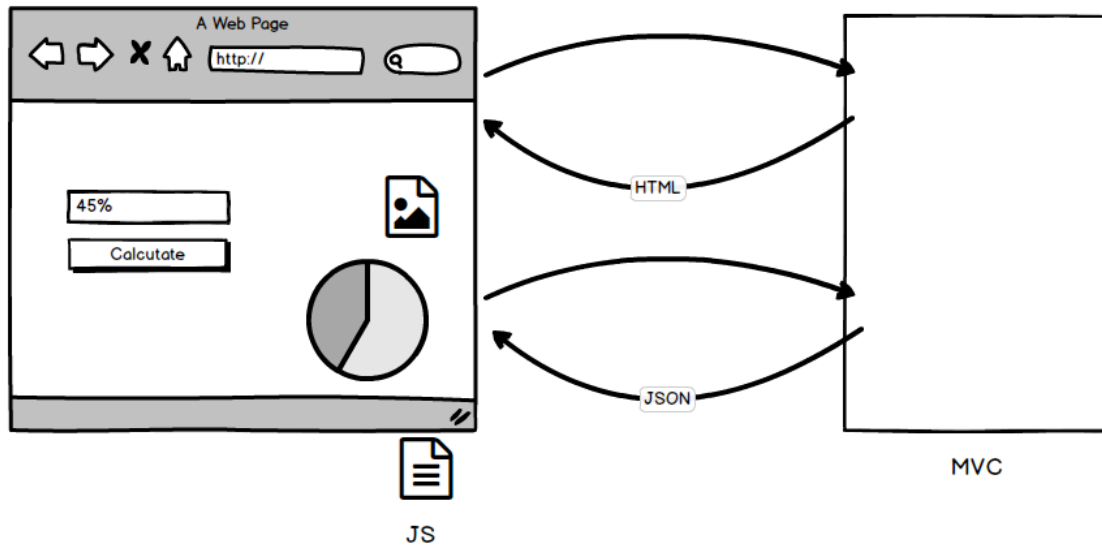
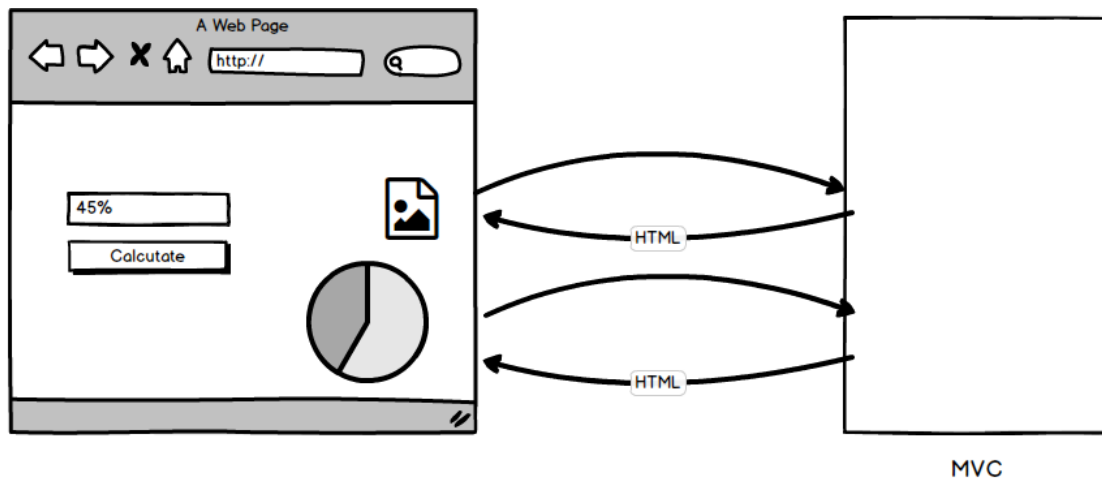
Content-Type: application/json

Server: kestrel

Location: ....







## Controller

## Fake

## interface

## Models

GET api/products

GET api/products/{id}

POST api/products

PUT api/products/{id}

DELETE api/products/{id}

GET api/products?pricefrom=10&priceto=20

Product

Id

Name

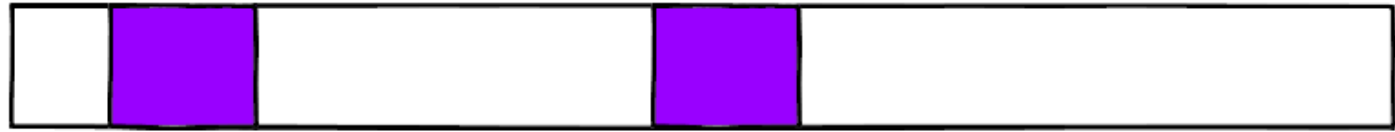
Color

UnitPrice

Size

{ S, M, L, XL }

appsettings.ini



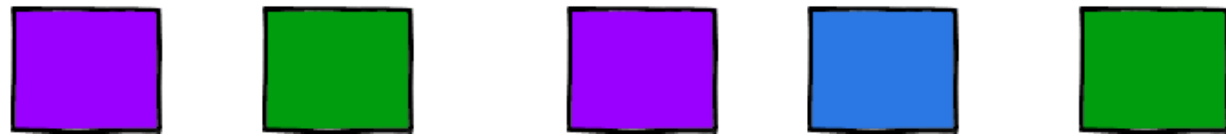
appsettings.xml

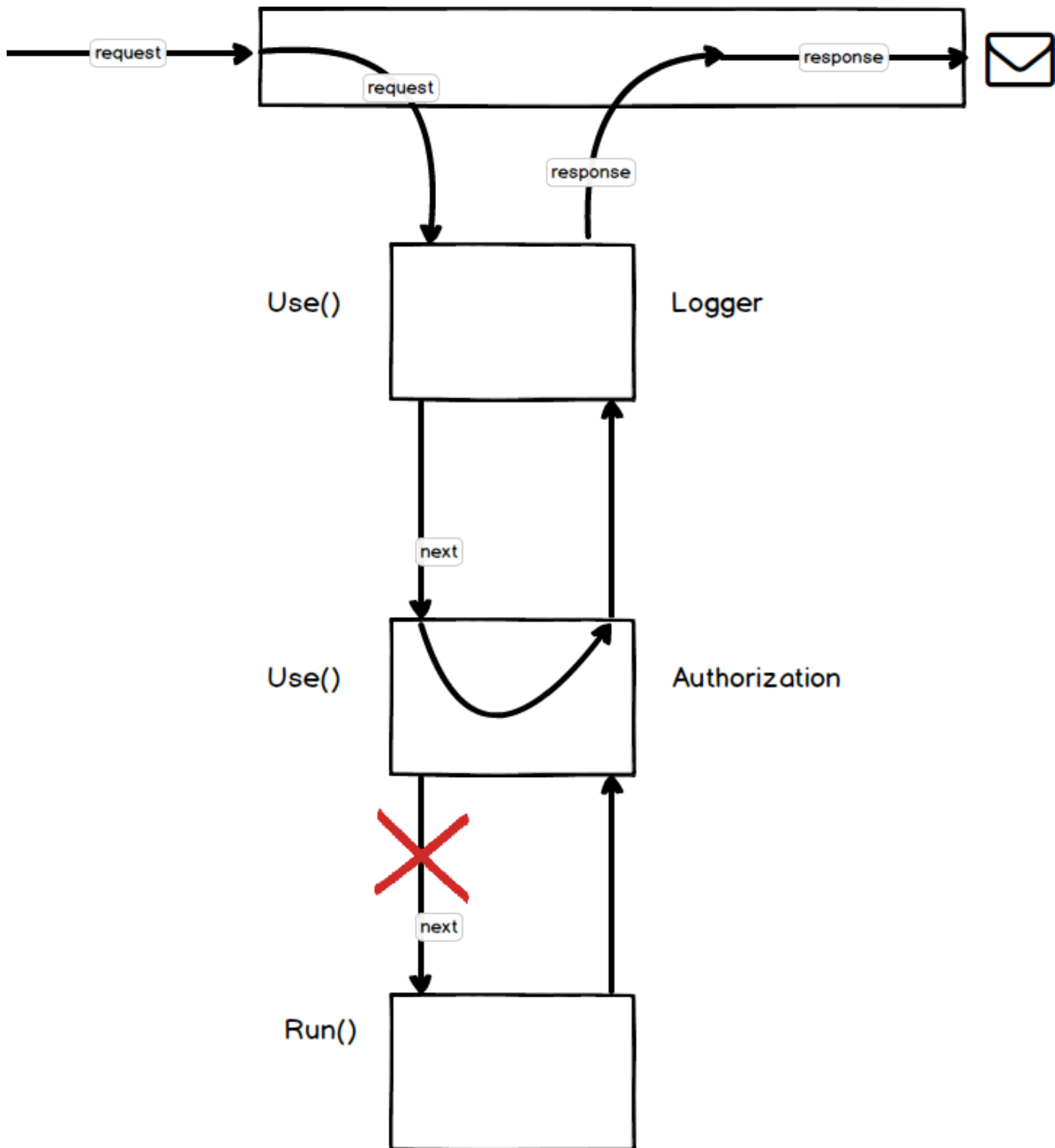


appsettings.json



configuration

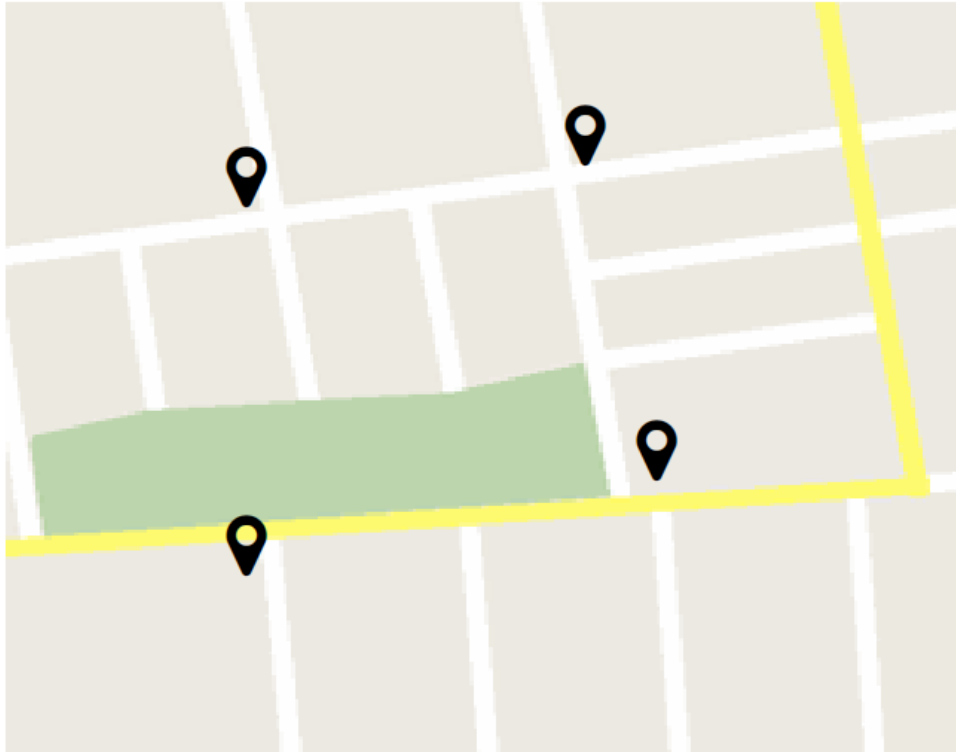




url <http://localhost:5000/api/customers?format=kml>

Accept: kml

Window Name



FileStream

MemoryStream

NetworkStream

*Stream*

*Writer*

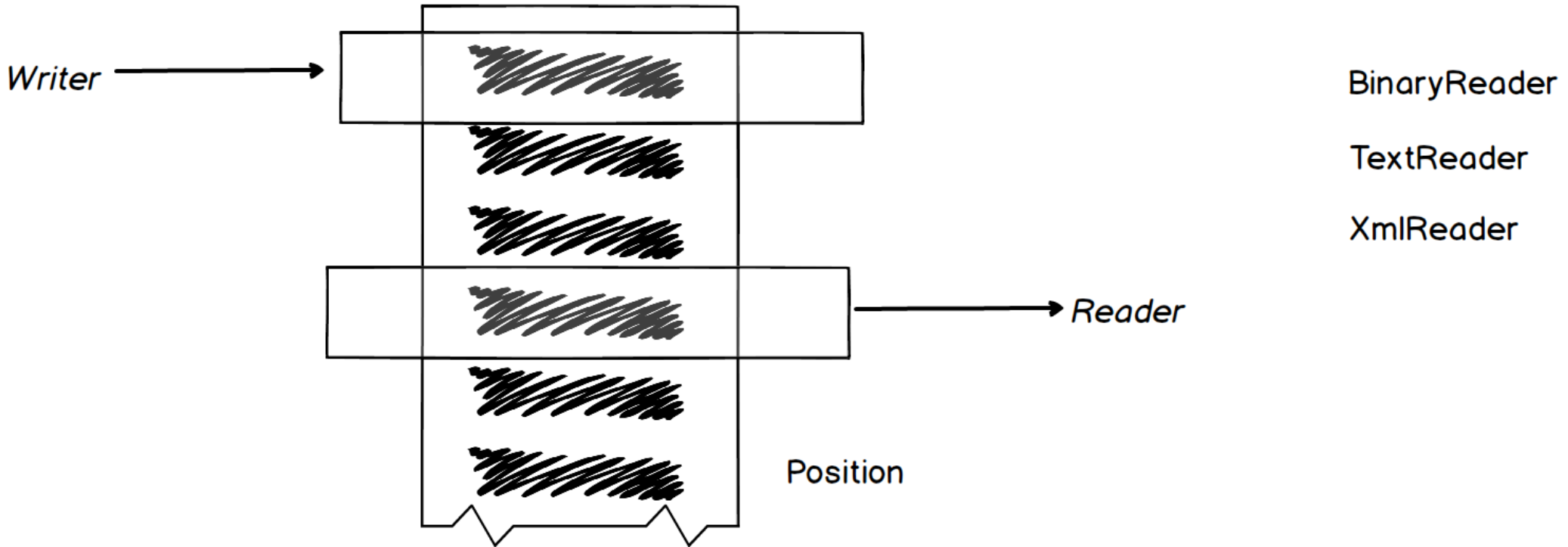
BinaryReader

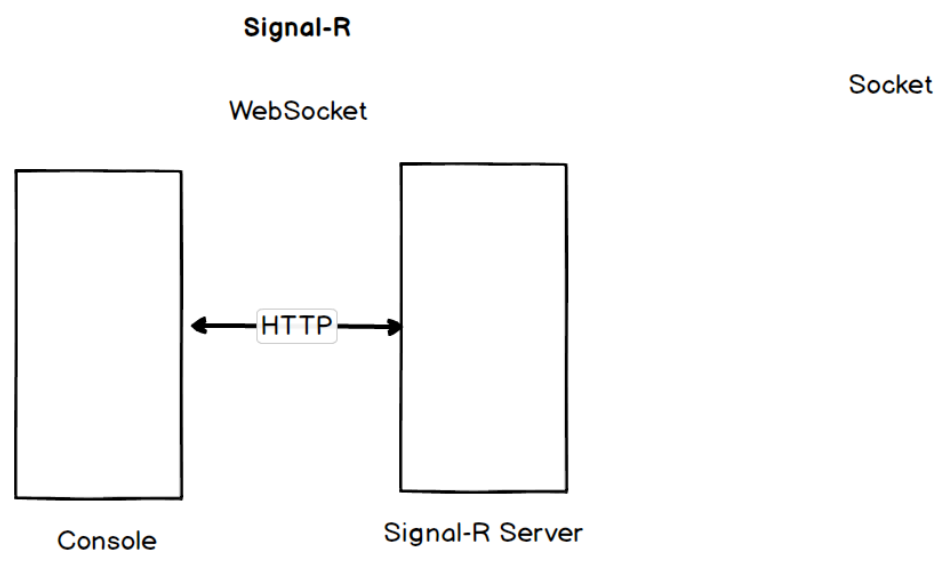
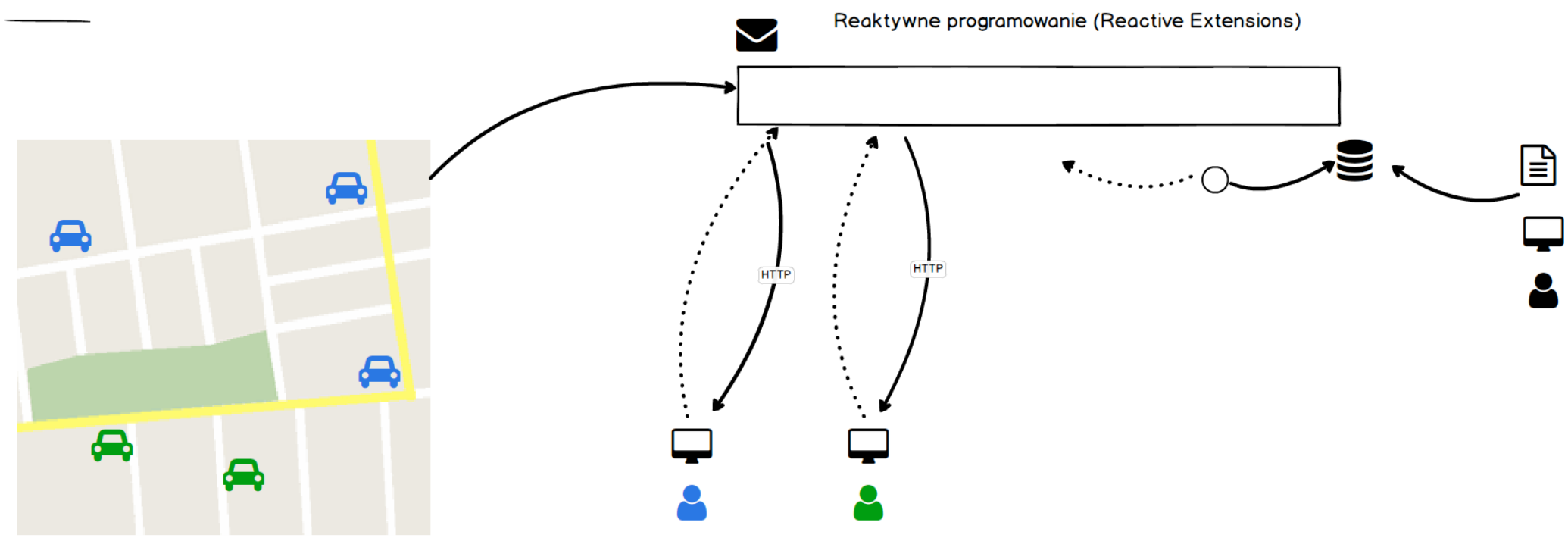
TextReader

XmlReader

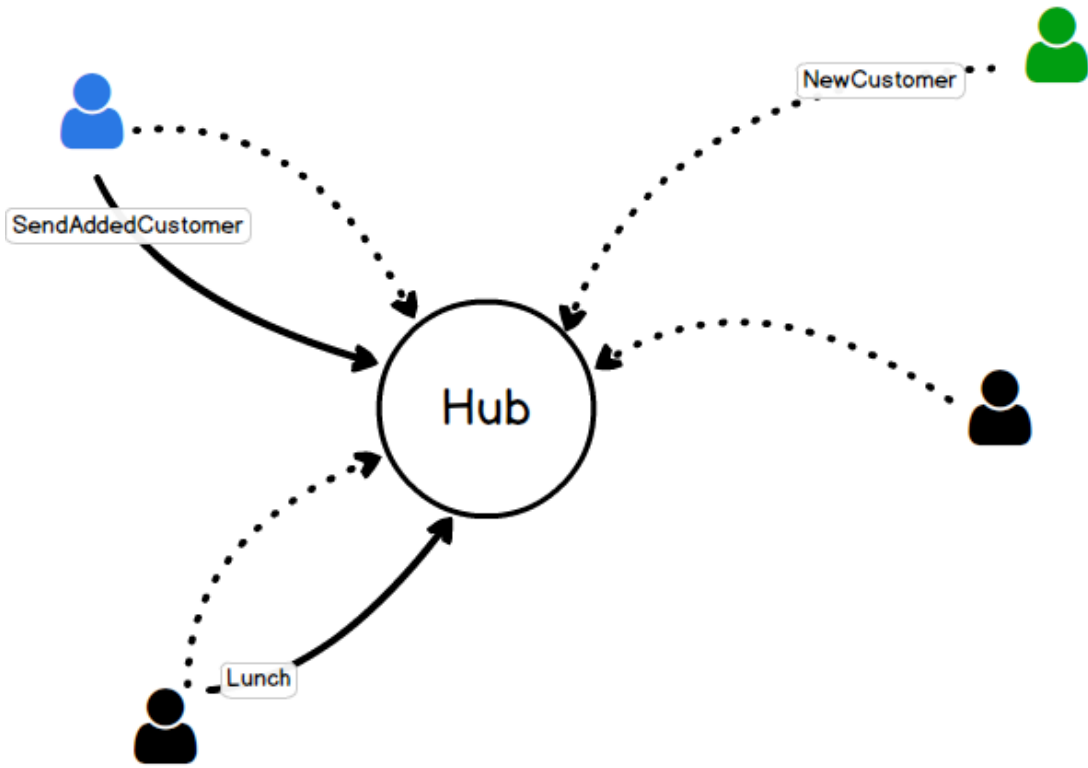
*Reader*

Position









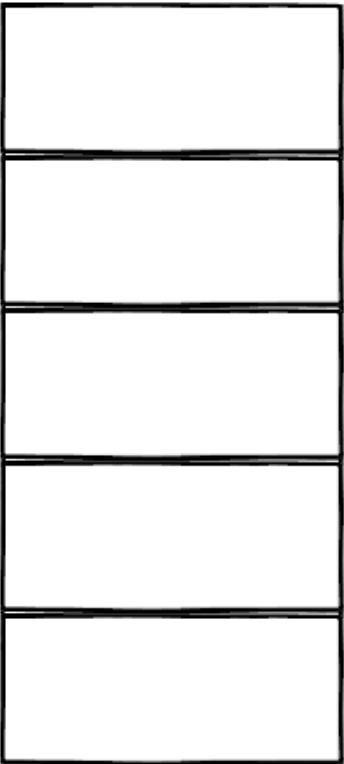
*IEnumerable*

[]

Array

Collection

List

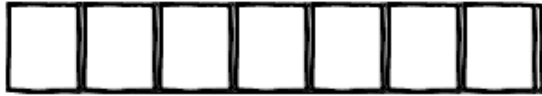


for

foreach

## Imperatywne programowanie

IEnumerable<T>

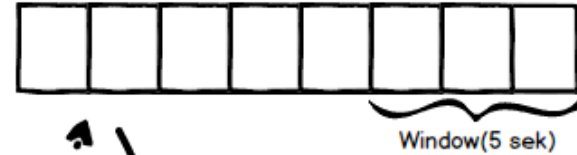


Linq



## Reaktywne programowanie (Reactive Extensions)

IObservable<T>



Linq



events + Linq = Reactive Extensions

