

.NET Framework 4.6

.NET CE

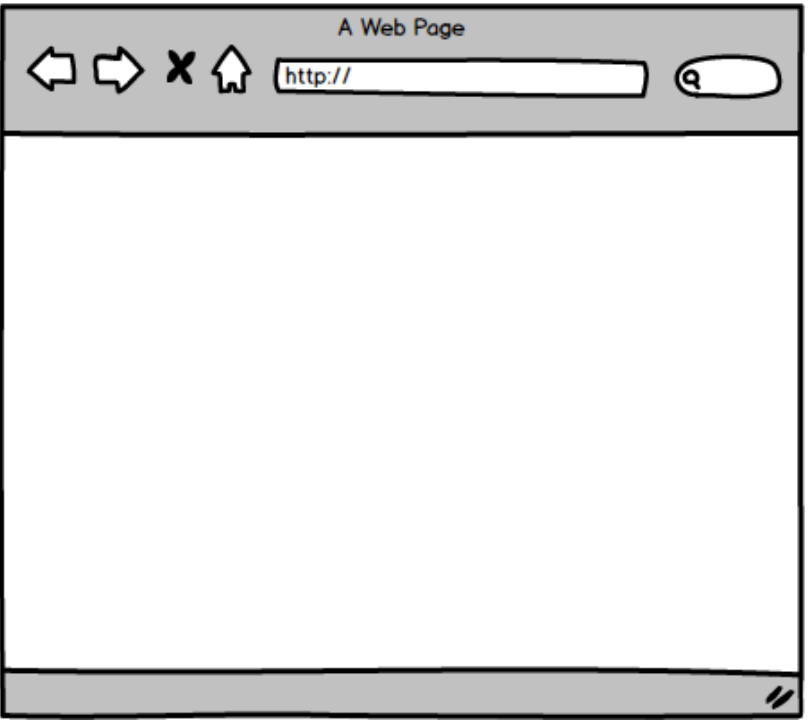
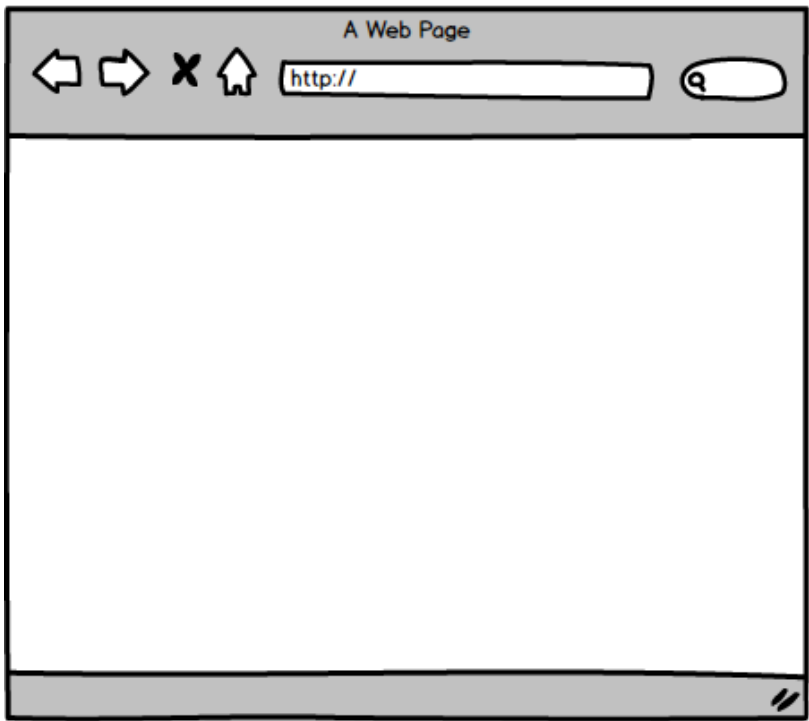
.NET Core 3.1

Xamarin

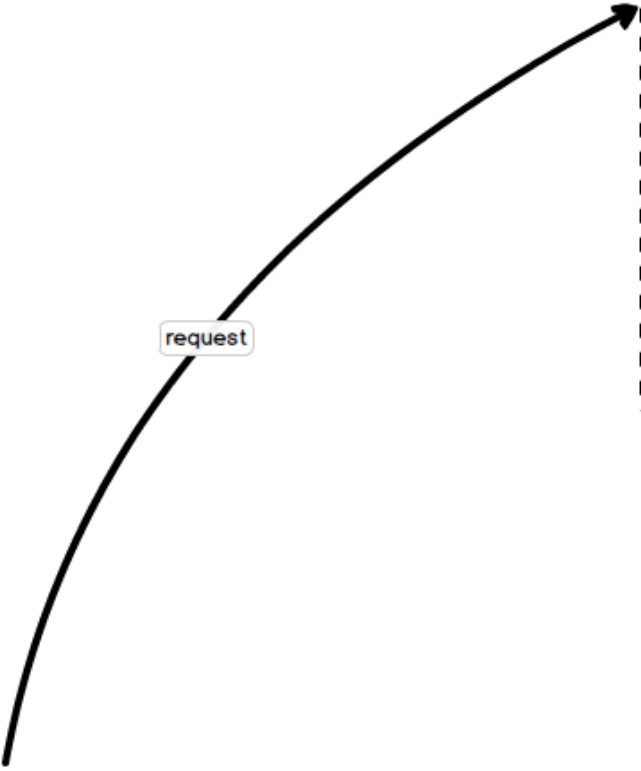
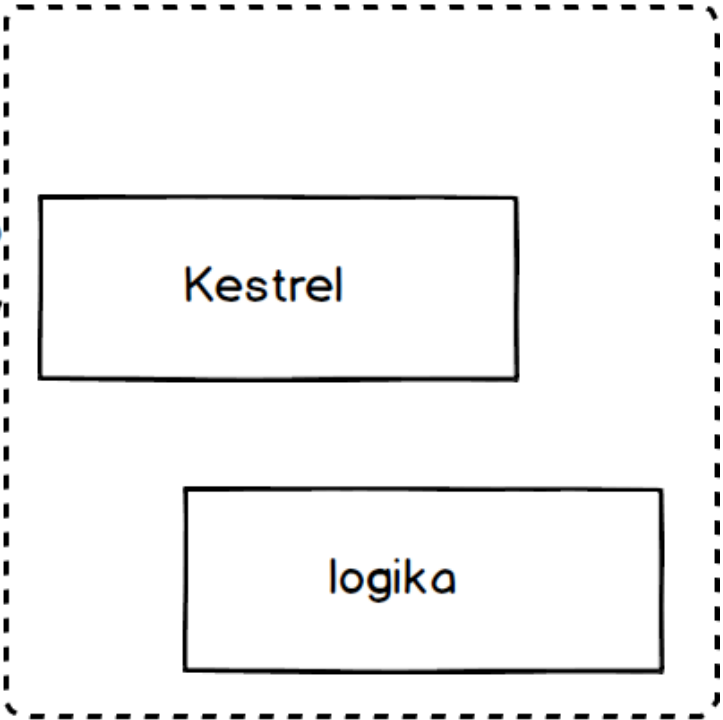
.NET Standard 2.0

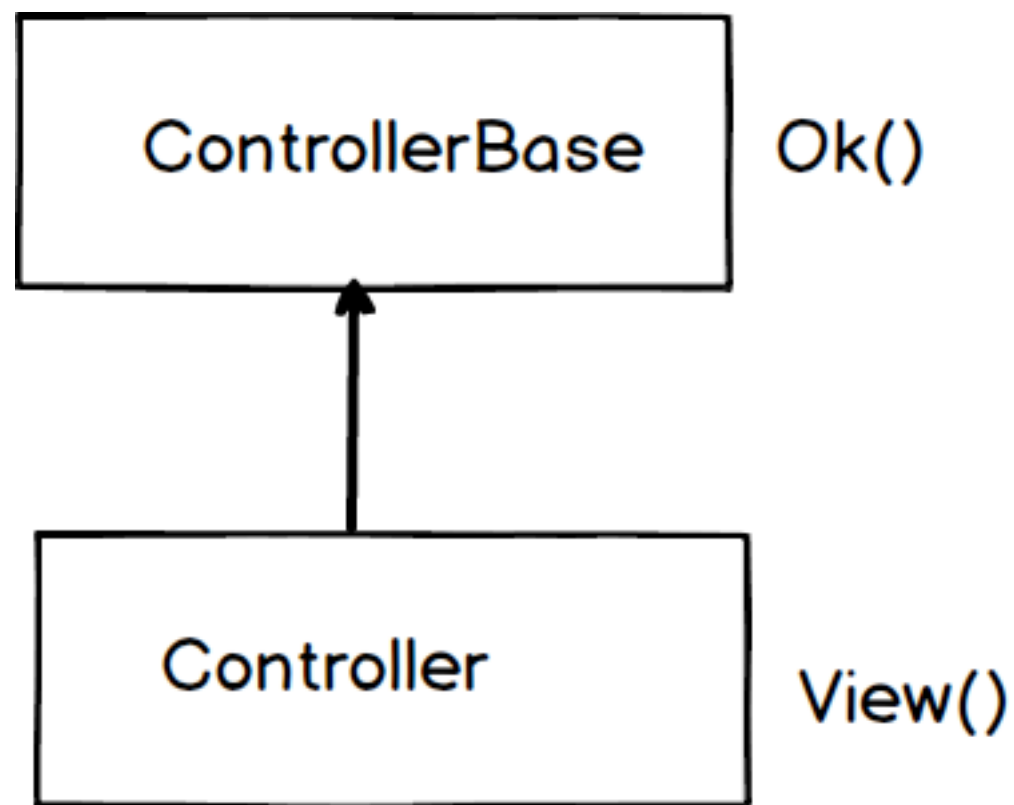


SQL Client



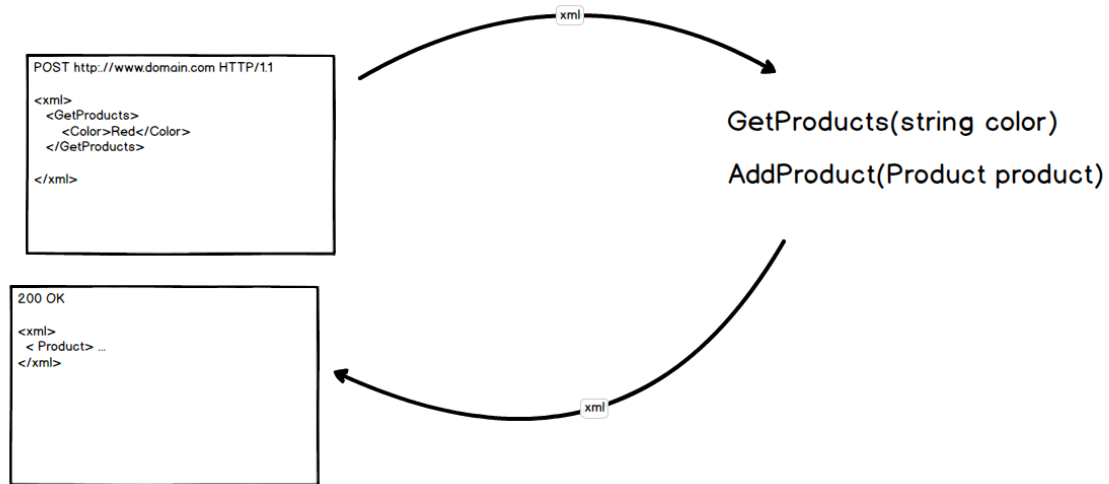
api.exe





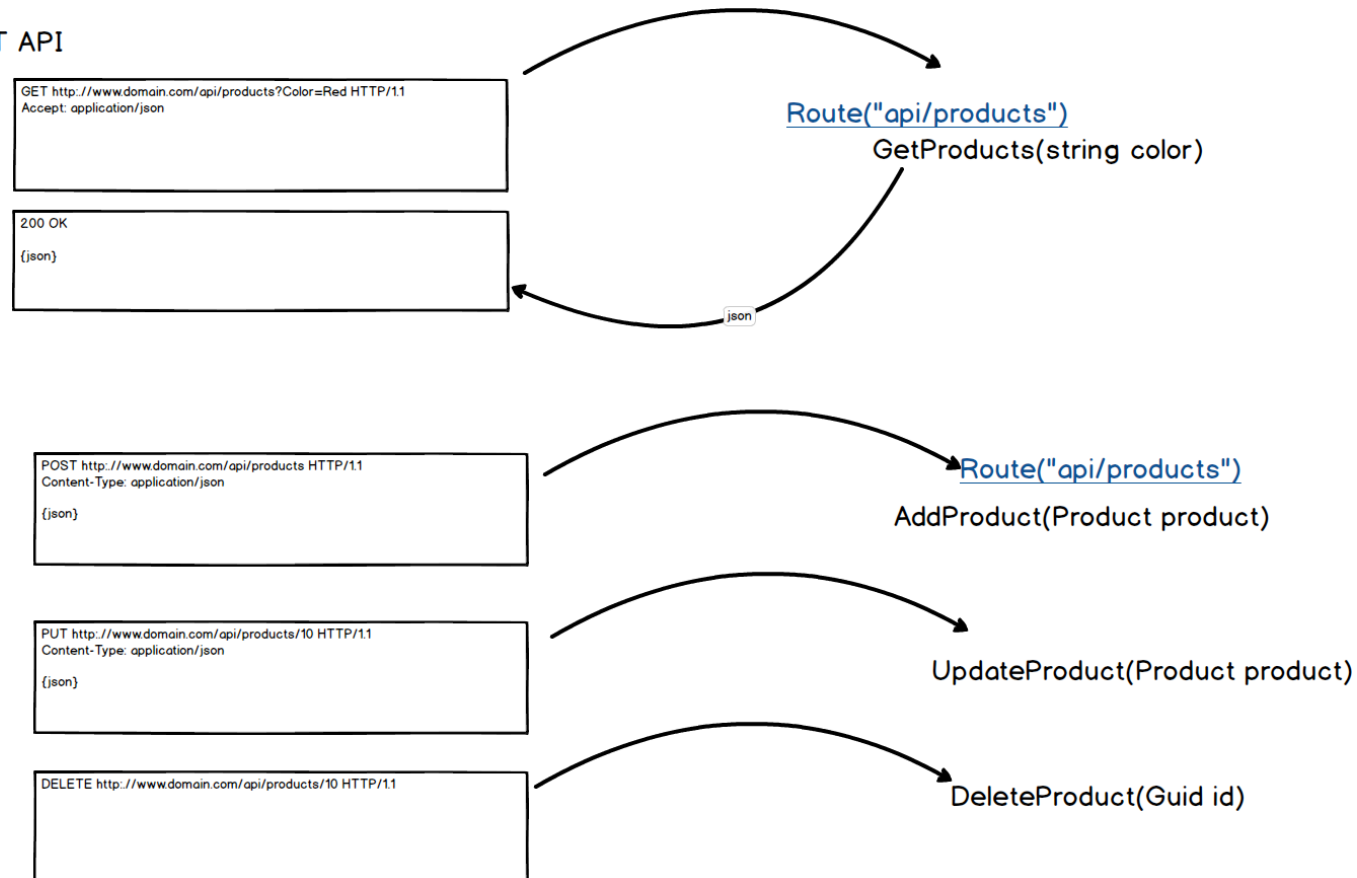
## WCF

## RCP



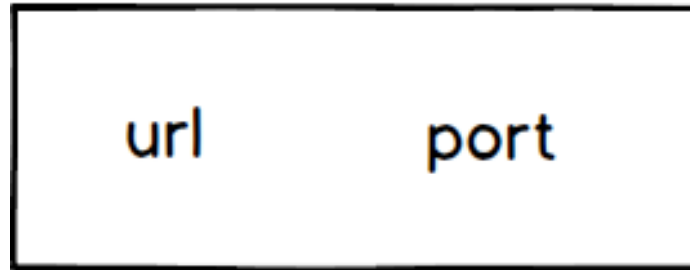
## Resources

## REST API

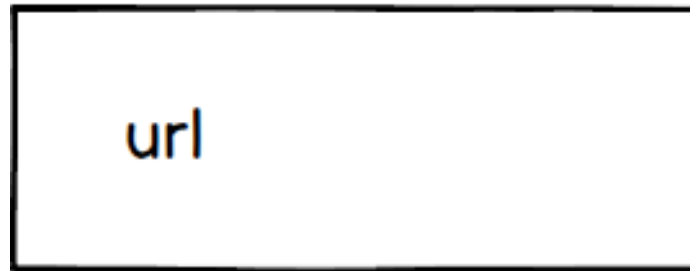


Key	Value	Cykl życia	
IUserService	FakeUserService	singleton	new FakeUserService(new UserFaker())
Faker<User>	UserFaker	singleton	IUserService Factory.Create<T>()
IProductService	FakeProductService	scoped	

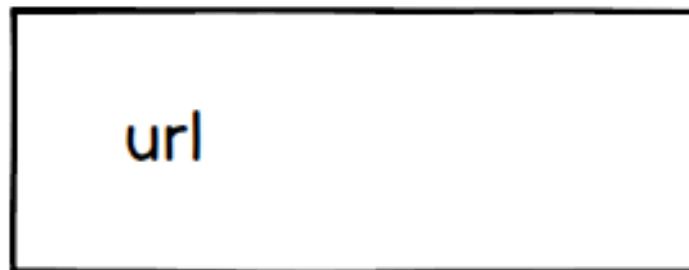
json



xml



IConfiguration



SendAsync()

STA (Single Thread Application)

t0

t1

result = result \* 1.23;

.ConfigureAwait(false)

label1.Text = result;

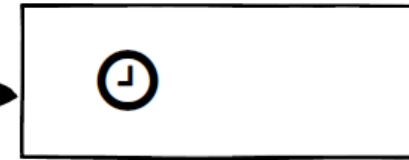
.ConfigureAwait(true)

```
public async void Button1_Click()
{
    CalculateAsync();
}

public async Task CalculateAsync()
{
    await SendAsync();
}

public async Task SendAsync()
{
    await Send();
}
```

Controller



Mediator

Controller



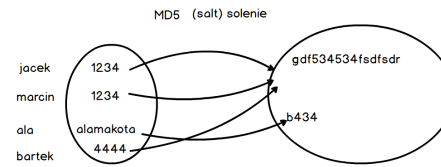
AddedUser





## Basic

GET api/users  
Authorization Basic base64({login:hashedPassword})



## Basic

Jacek	
Key	Value
KAT	B
Data ważności	
Email	jacek@datacomp.pl

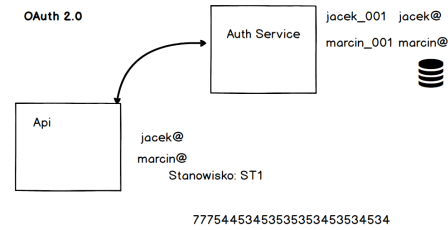
## Bearer

GET api/users  
Allow Anonymous  
POST api/token  
{ "username": "marcin", "hashedPassword": "12345" }

token A66456456456456GDGD65665  
refresh-token 676765756  
POST api/token/refresh  
refresh-token 676765756

GET api/users  
Authorization Bearer {token}

A66456456456456GDGD65665  
64564564564564564564  
77754453453535353453534534



## JWT (Json Web Token)

header	payload	sign
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