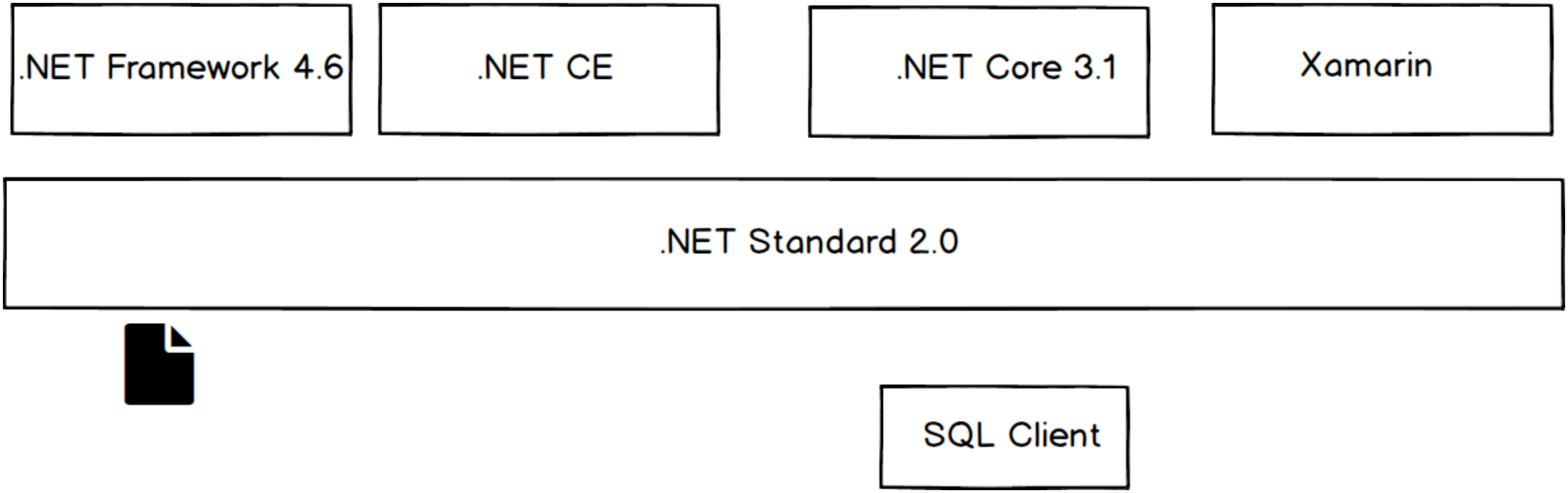
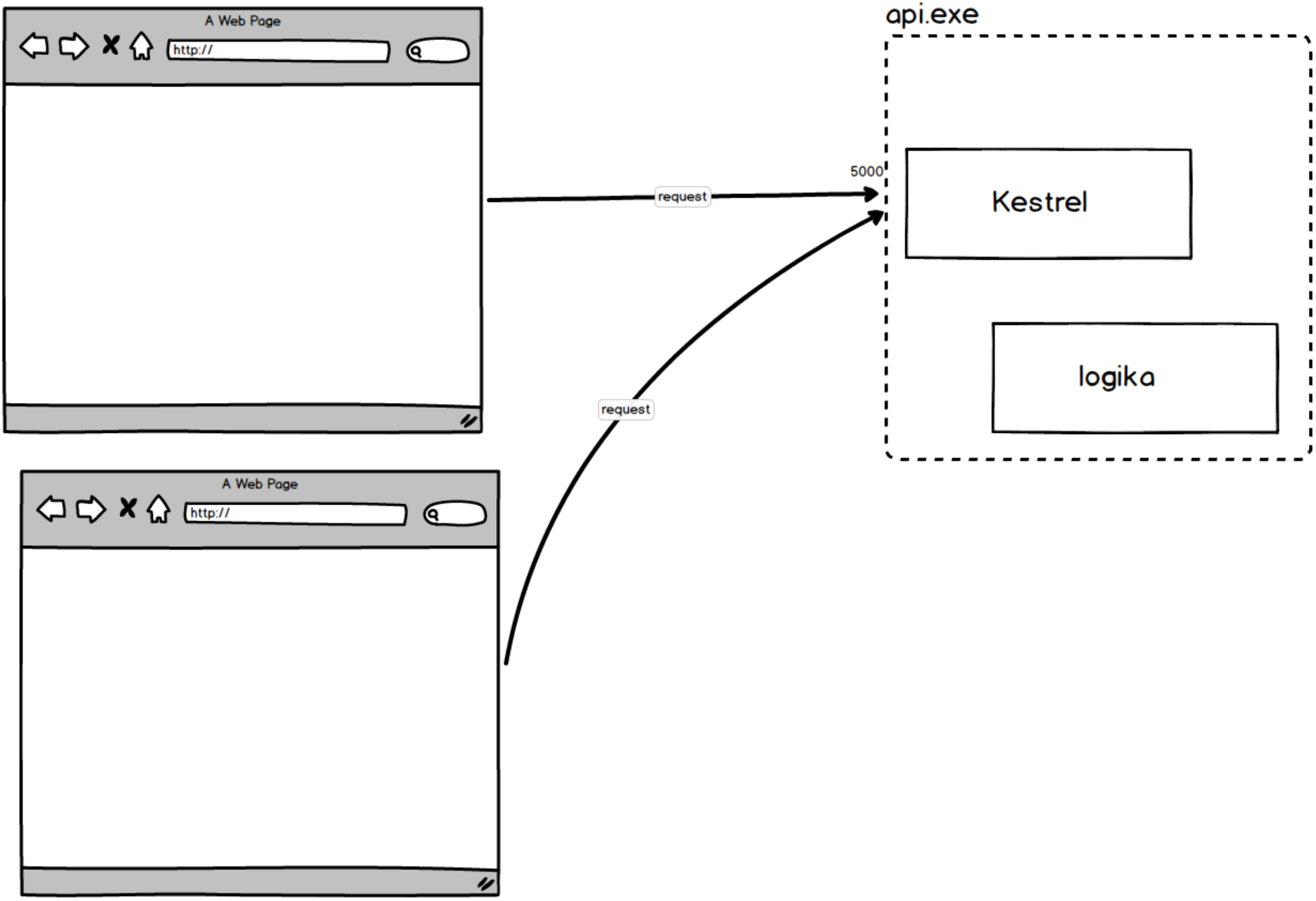
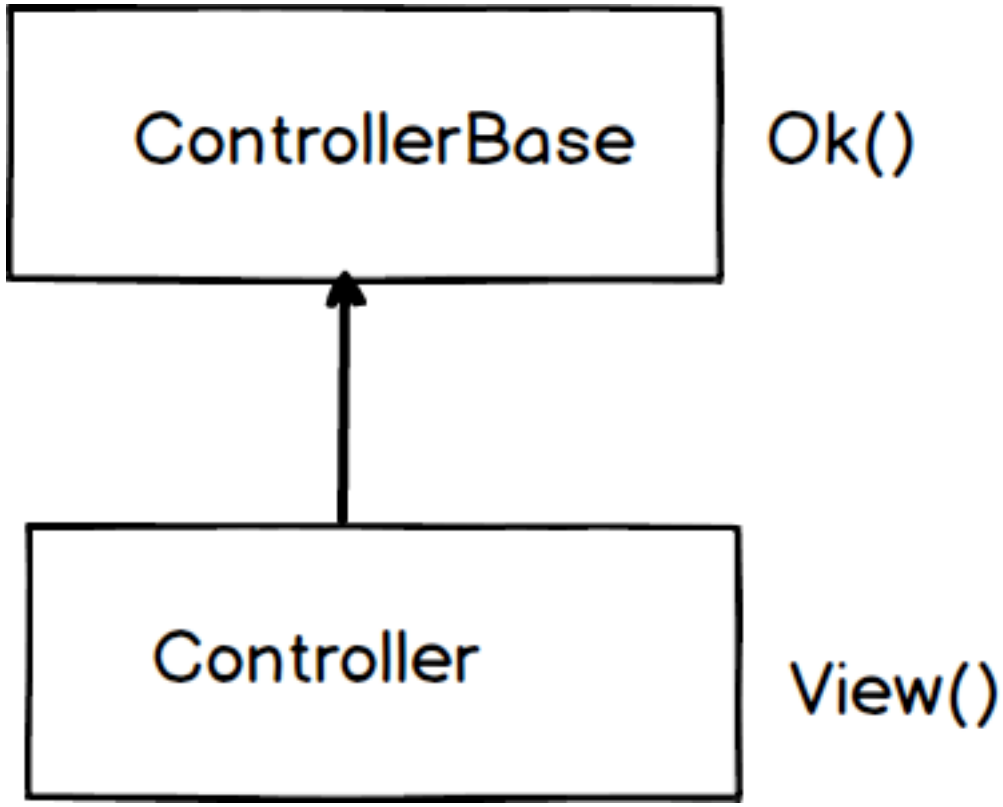
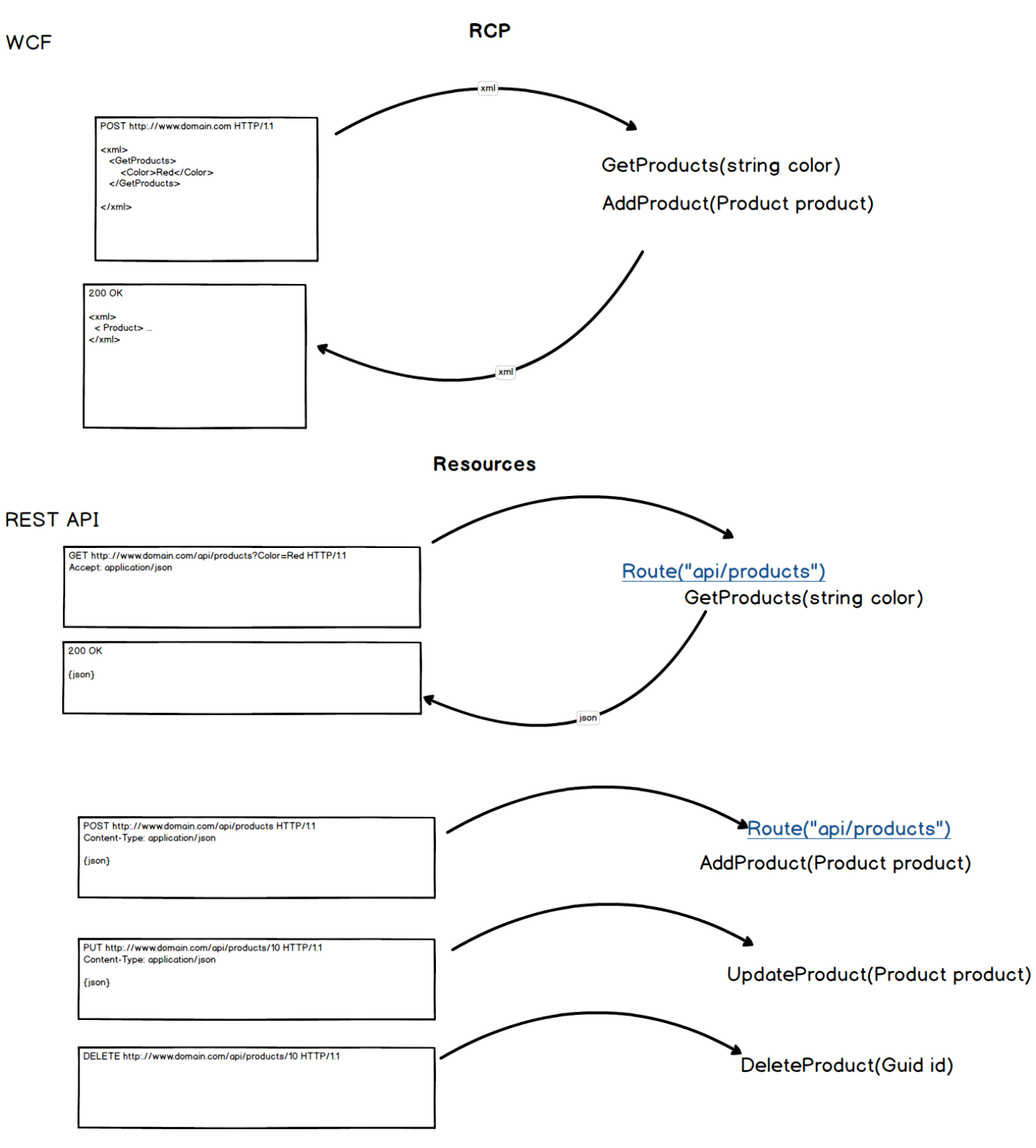

.NET Framework 4.6
.NET CE
.NET Core 3.1
Xamarin
.NET Standard 2.0
SQL Client


A Web Page
http://
A Web Page
http://
request
request
5000
api.exe
Kestrel
logika

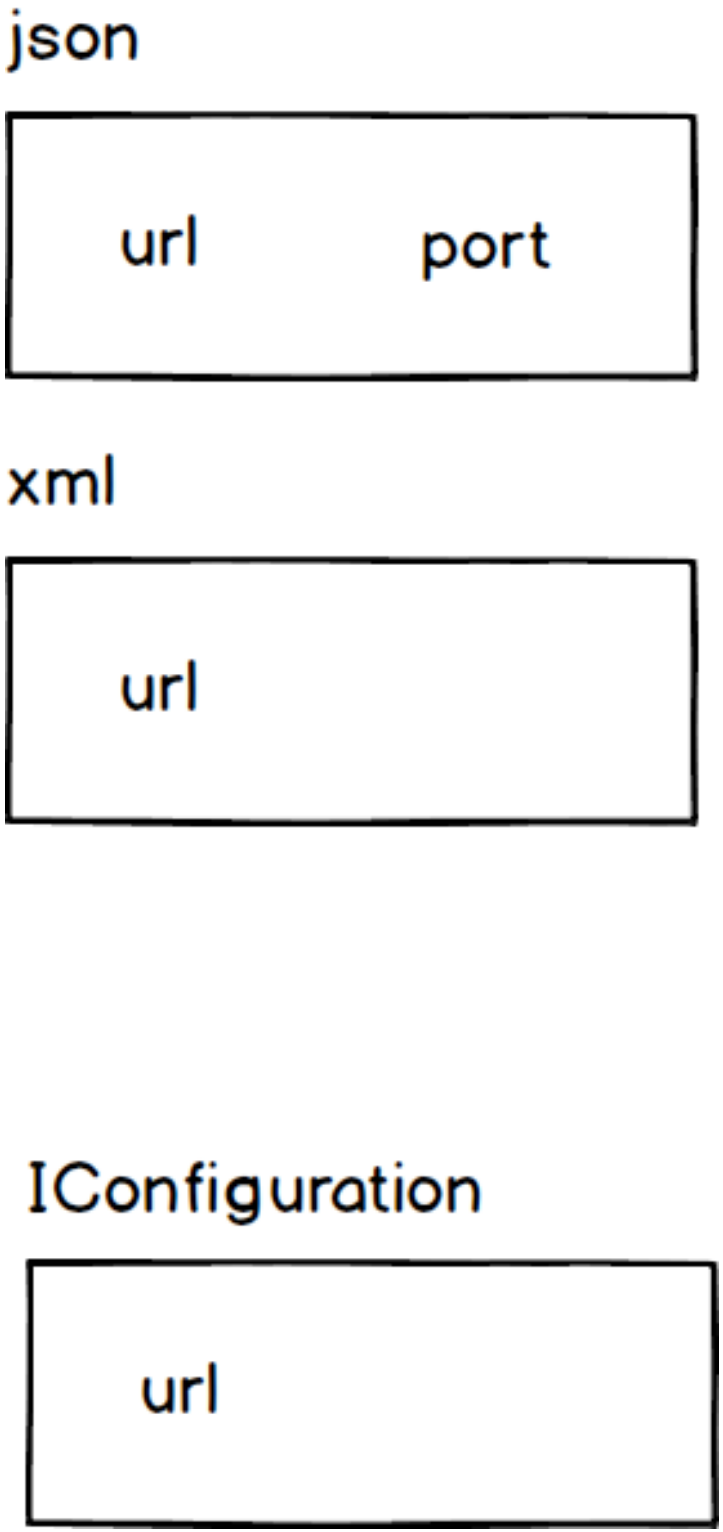

ControllerBase
Ok()
Controller
View()

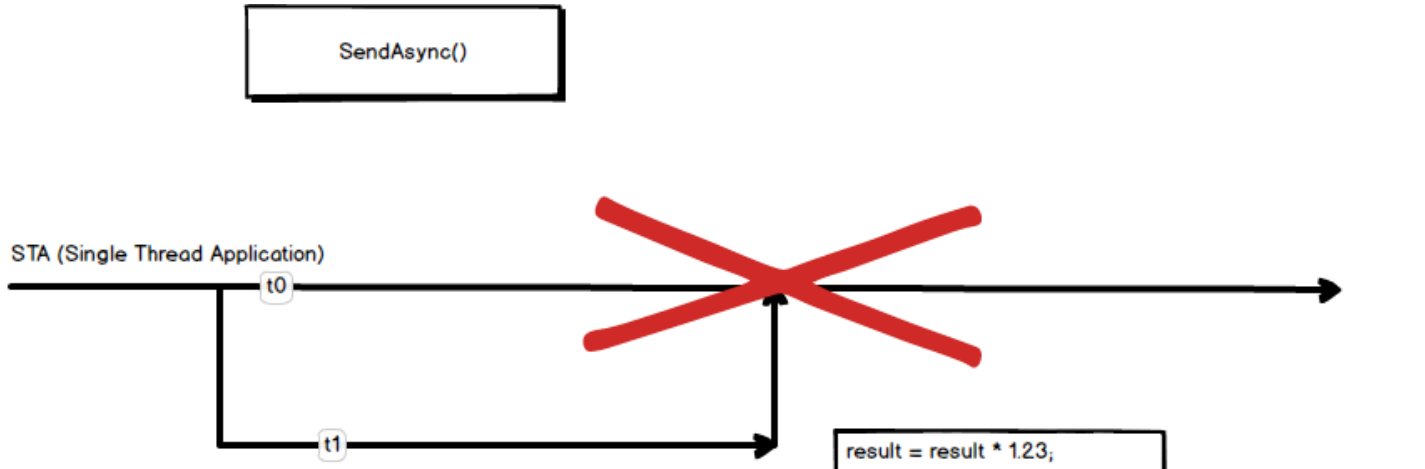

WCF
RCP
POST http://www.domain.com HTTP/1.1
<xml>
<GetProducts>
<Color>Red</Color>
</GetProducts>
</xml>
xml
GetProducts(string color)
AddProduct(Product product)
200 OK
<xml>
< Product> ...
</xml>
xml
Resources
REST API
GET http://www.domain.com/api/products?Color=Red HTTP/1.1
Accept: application/json
Route("api/products")
GetProducts(string color)
200 OK
{json}
json
POST http://www.domain.com/api/products HTTP/1.1
Content-Type: application/json
{json}
Route("api/products")
AddProduct(Product product)
PUT http://www.domain.com/api/products/10 HTTP/1.1
Content-Type: application/json
{json}
UpdateProduct(Product product)
DELETE http://www.domain.com/api/products/10 HTTP/1.1
DeleteProduct(Guid id)

Key	Value	Cykl życia
IUserService	FakeUserService	singleton
Faker<User>	UserFaker	singleton
IProductService	FakeProductService	scoped

new FakeUserService(new UserFaker())

IUserService Factory.Create<T>()


json
url
port
xml
url
IConfiguration
url



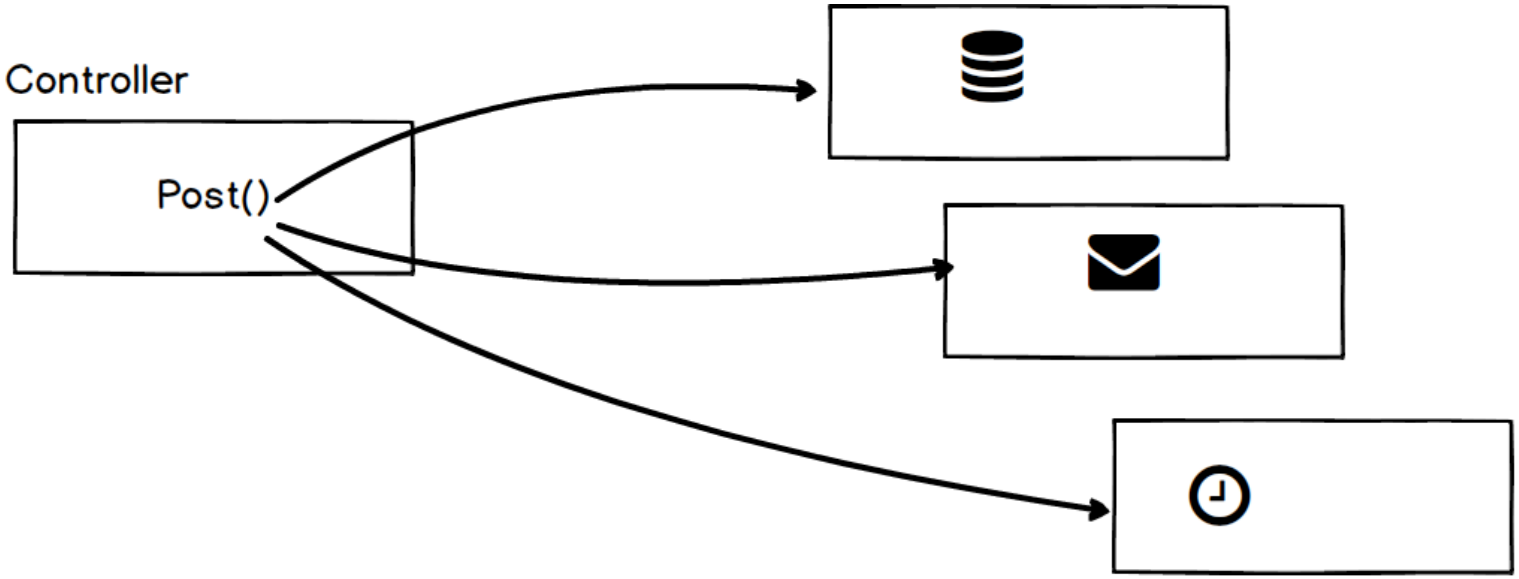
result = result * 1.23;

.ConfigureAwait(false)

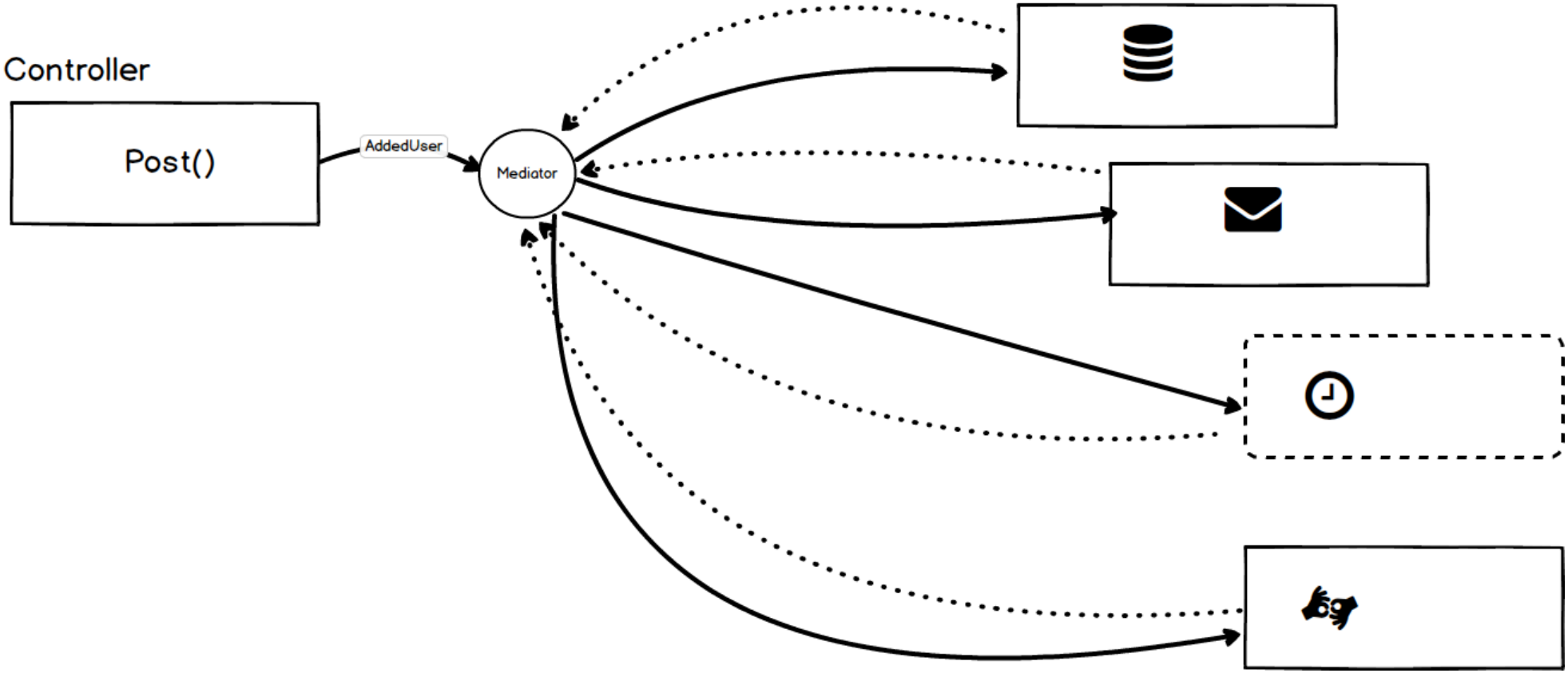
label1.Text = result;

.ConfigureAwait(true)

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

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


}

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



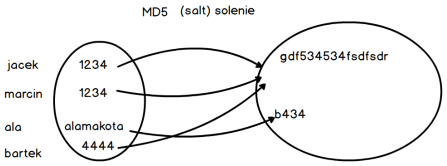
Mediator



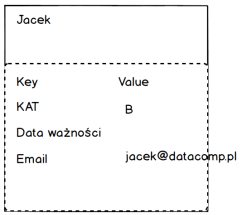
Basic

GET api/users

Authorization Basic base64({login:hashedPassword})



Basic



Bearer

GET api/users

AllowAnonymous

POST api/token

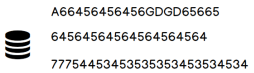
{"username": "marcin", "hashedPassword": "12345"}

token A66456456456GDGD65665

refresh-token 676765756

POST api/token/refresh

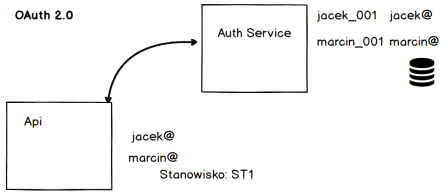
refresh-token 676765756



GET api/users

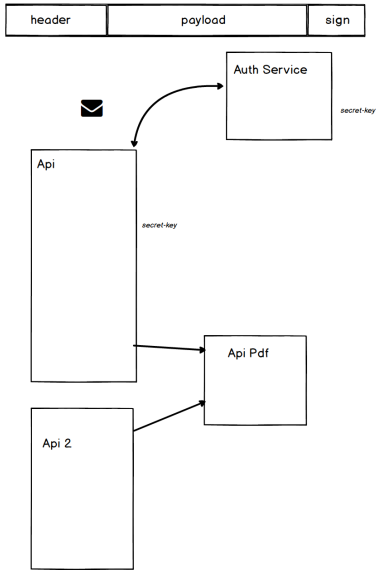
Authorization Bearer {token}

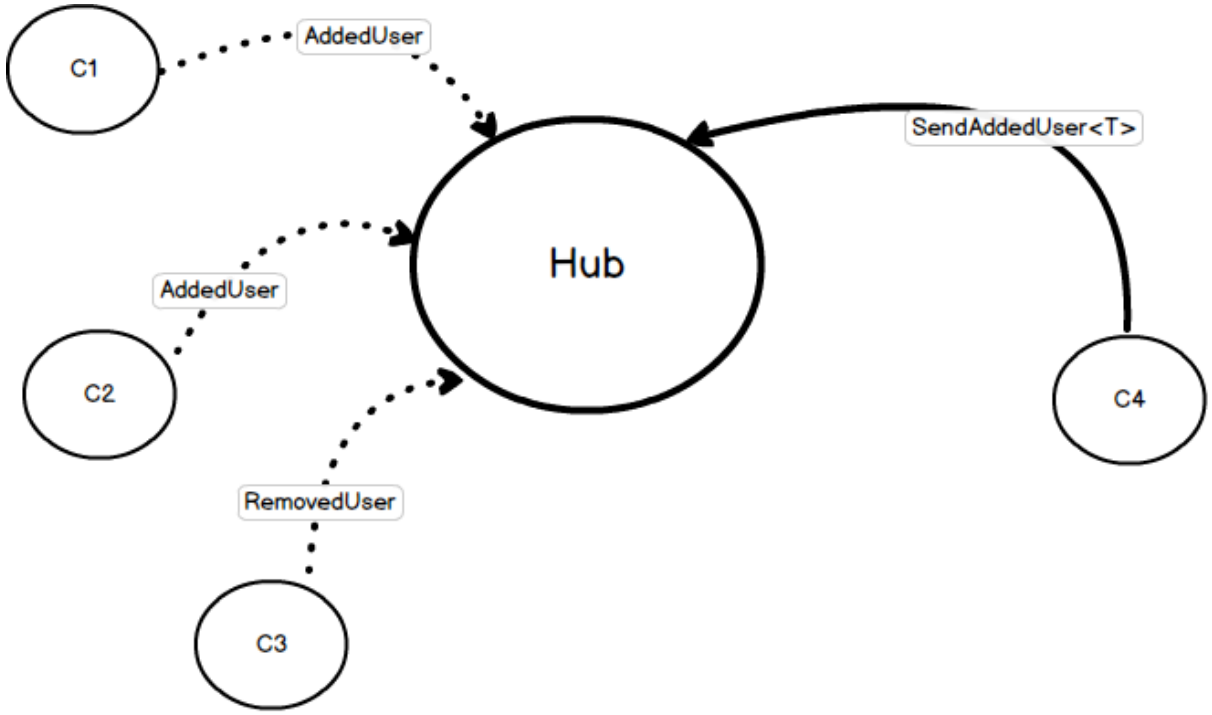
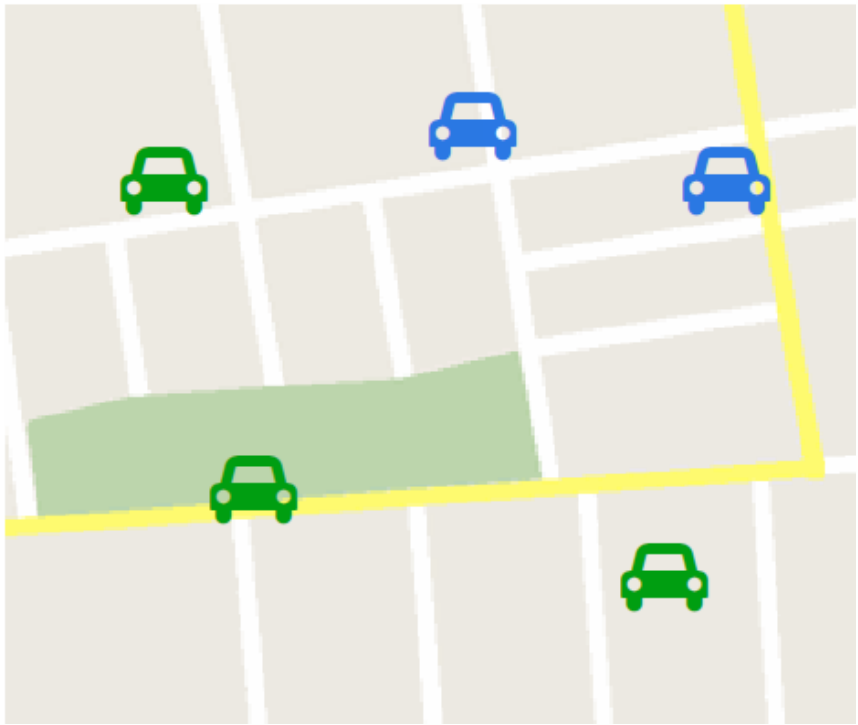
OAuth 2.0



77754453453535353453534534

JWT (Json Web Token)




C1
AddedUser
Hub
SendAddedUser<T>
AddedUser
C2
C4
RemovedUser
C3