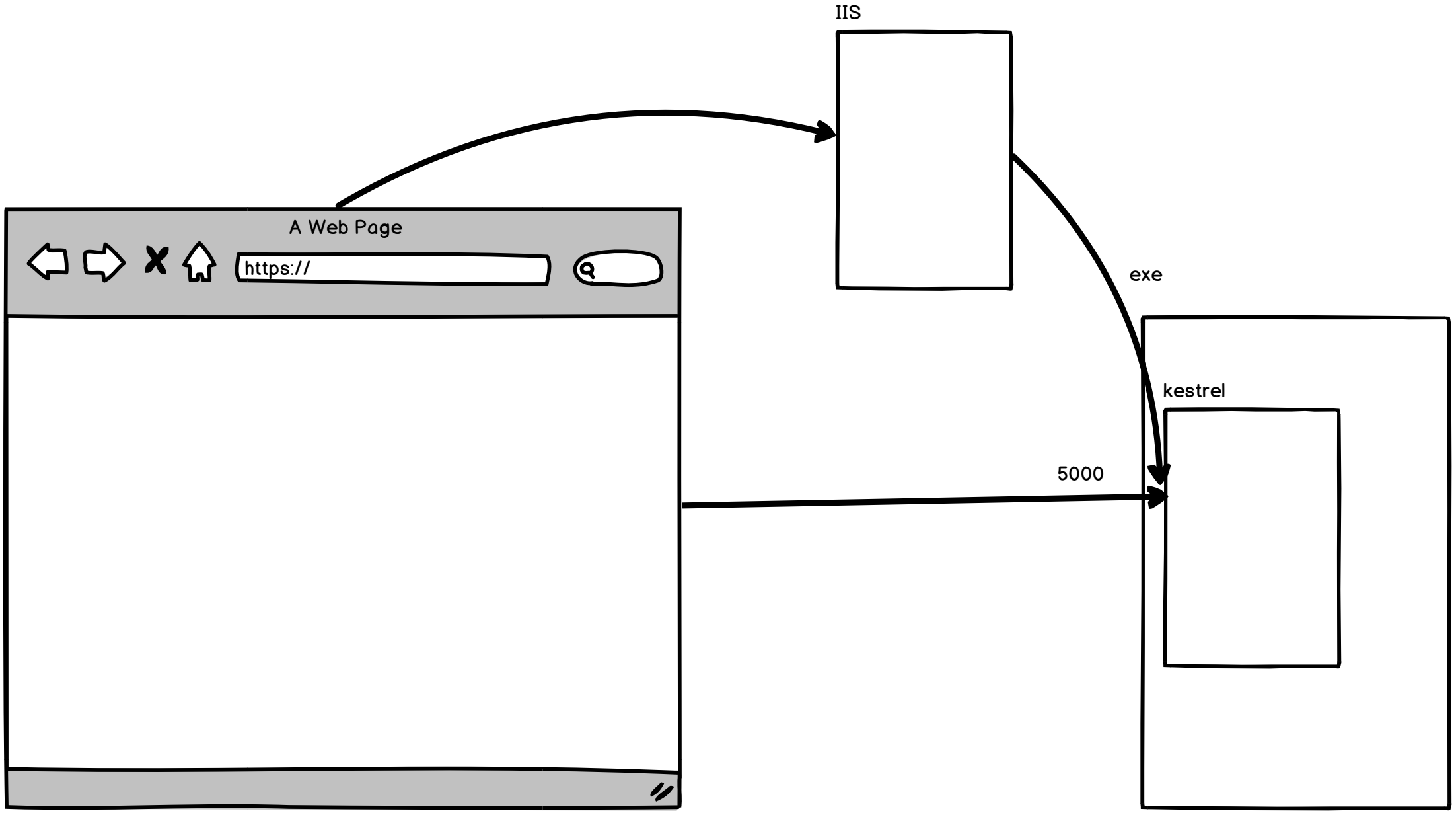
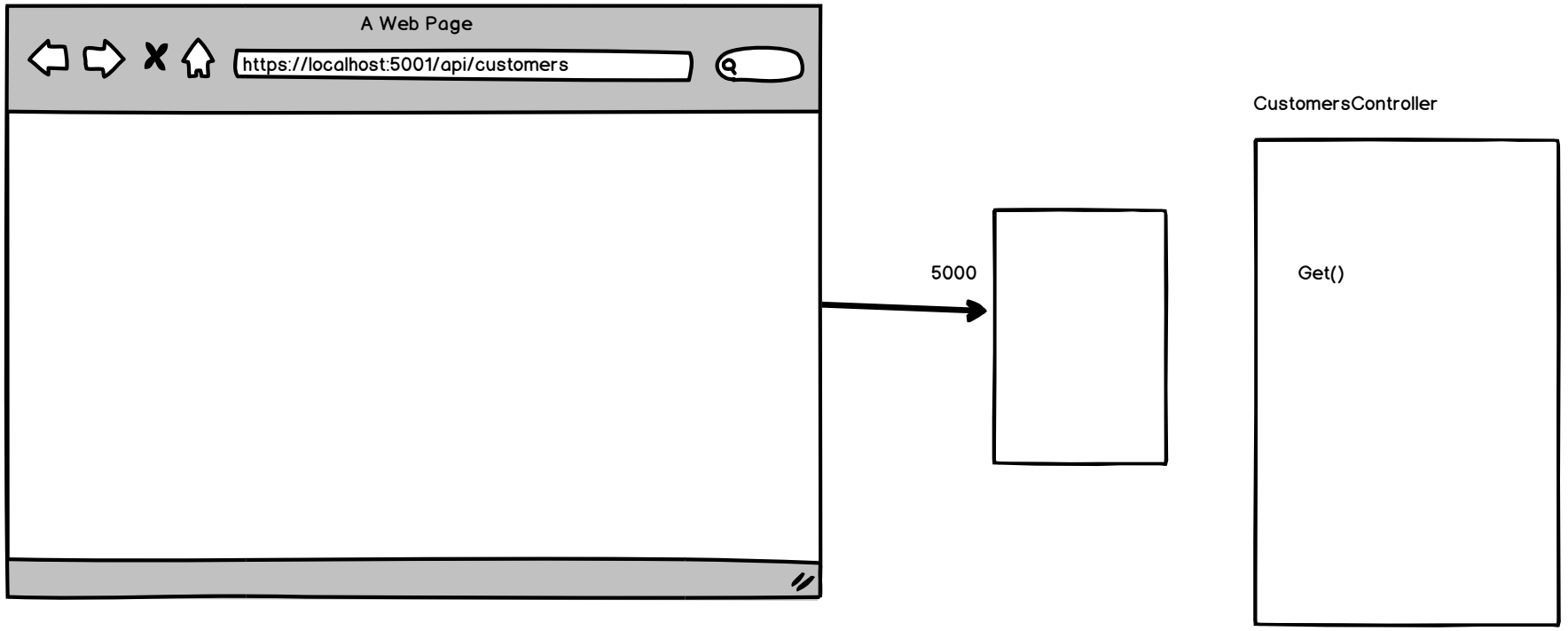

IIS
A Web Page
https://
exe
kestrel
5000



api/customers

api/customers/10

api/customers/MorrisHarber

api/customers/9445644233

api/customers?lat=54.64&lng=28.01

api/customers?city=Gdynia&street=Dworcowa&country=Poland

api/customers/10/products

api/customers/10/products/5

service1.asmx

service1.svc

GET

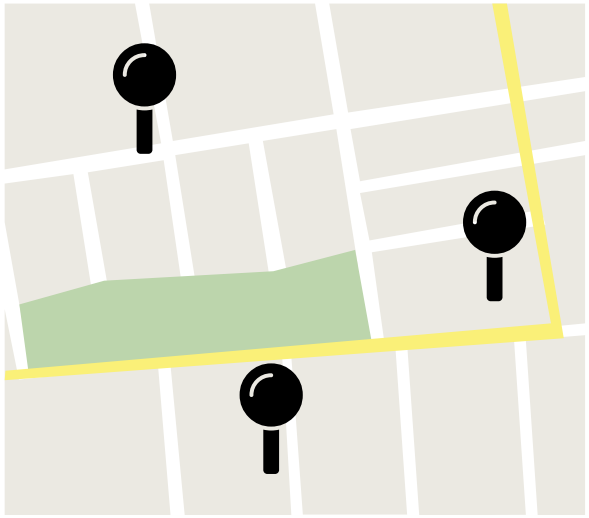
POST

PUT api/customers/10

PATCH api/customers/10

DELETE api/customers/10

KML (WKT, WKB), GML, GeoJson



url: api/customers?lat=54.64&lng=28.01

Accept: kml

api/customers?lat=54.64lng=28.01format=kml

api/customers.kml

KMLFormatter

View()

ASP.NET MVC

Controller

View()

JsonResult()

WebAPI

ApiController

OK()

WebAPI

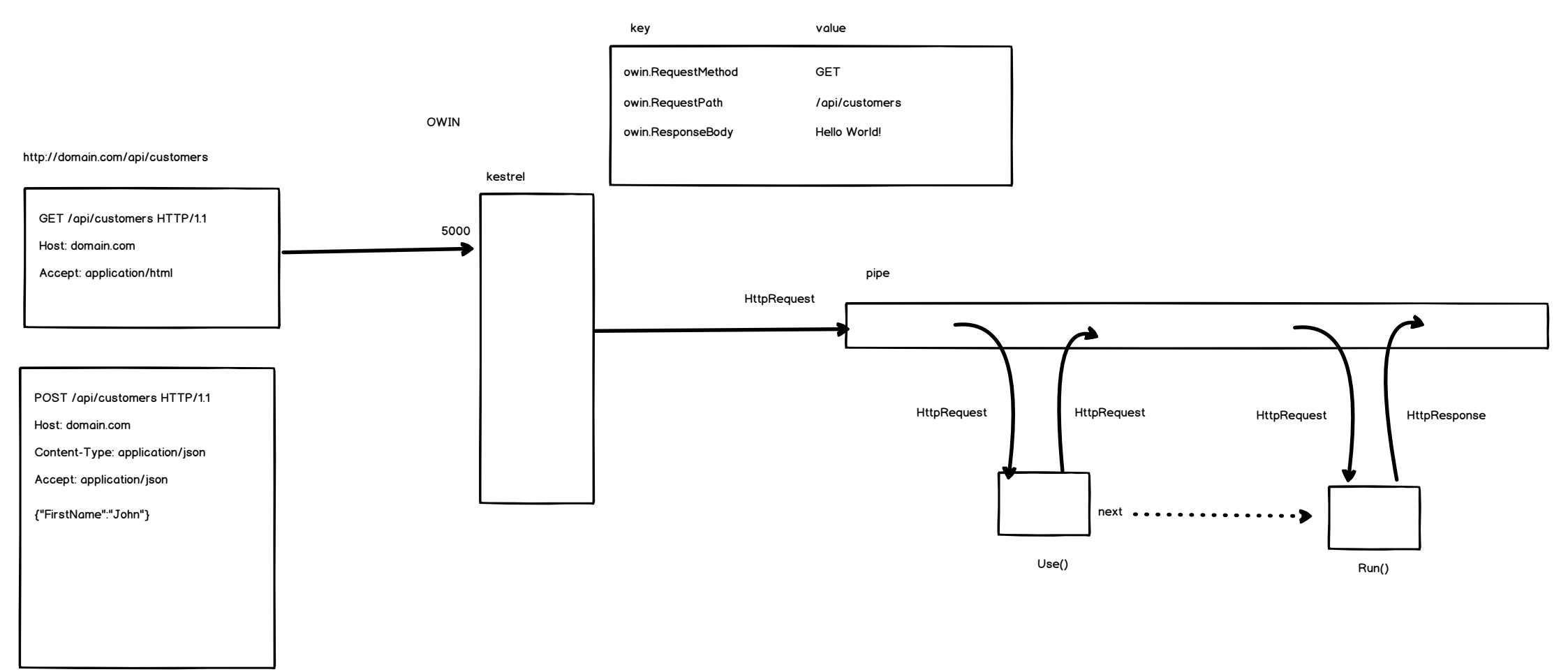
ControllerBase

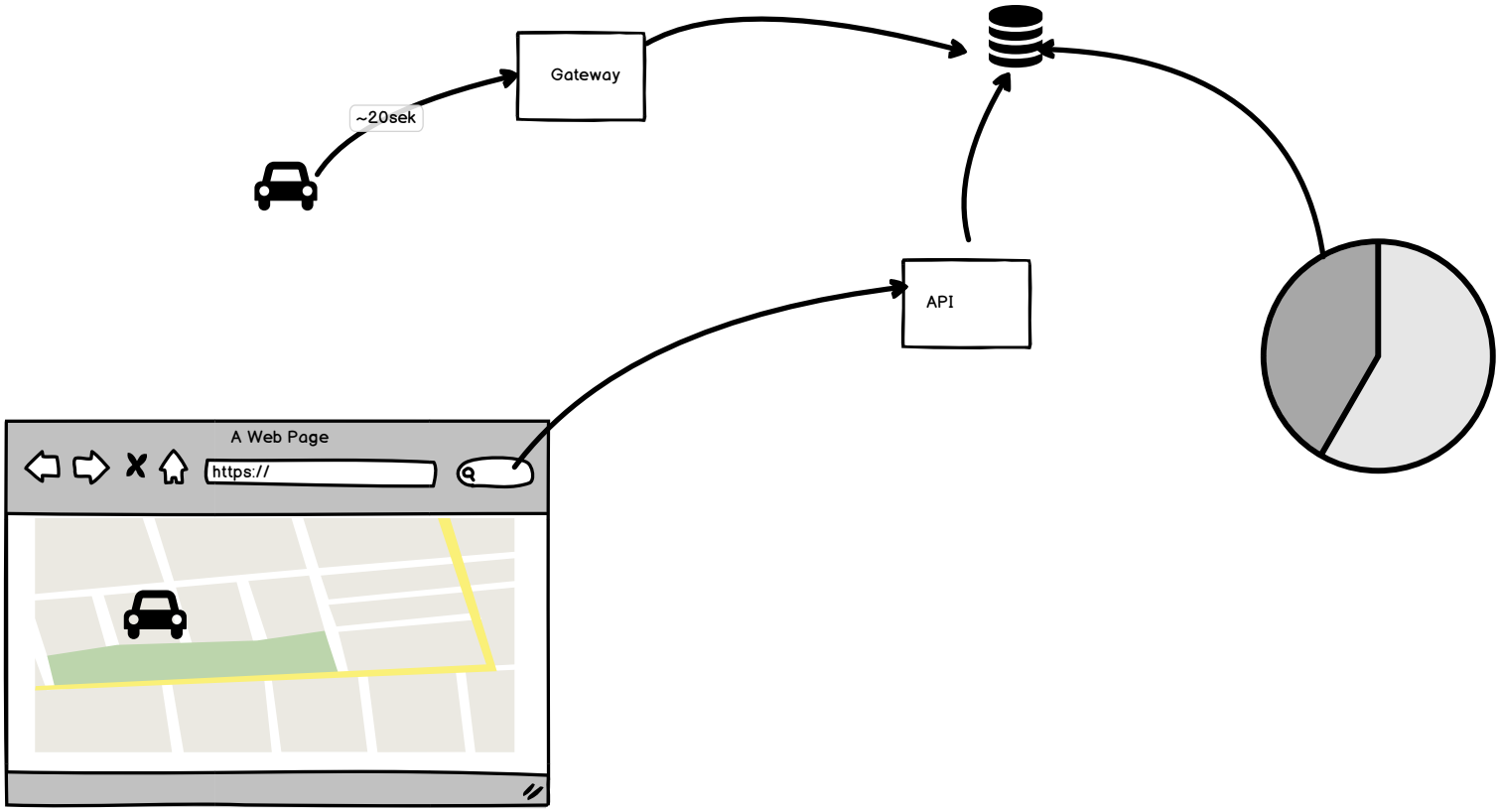
Ok()

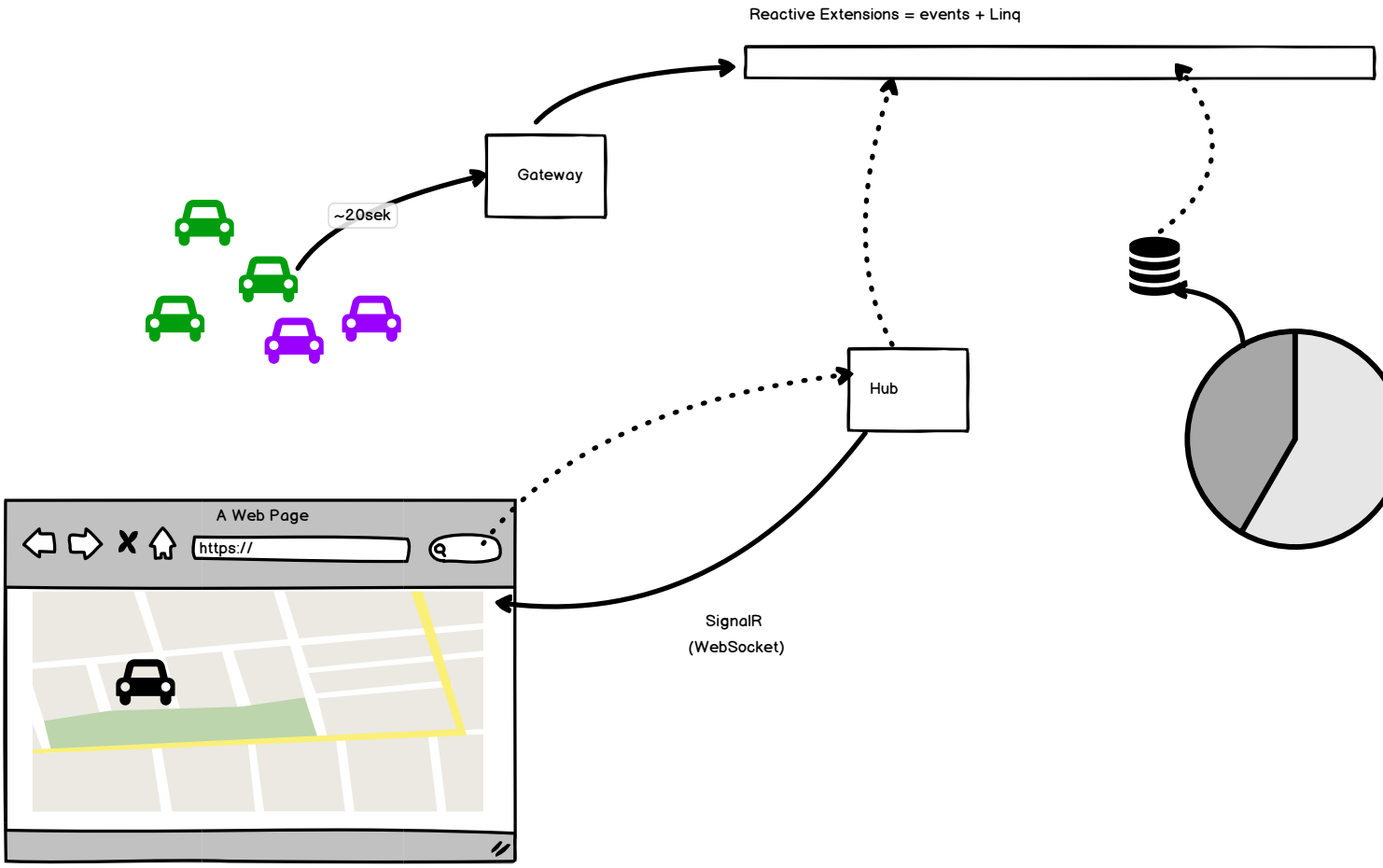
Controller

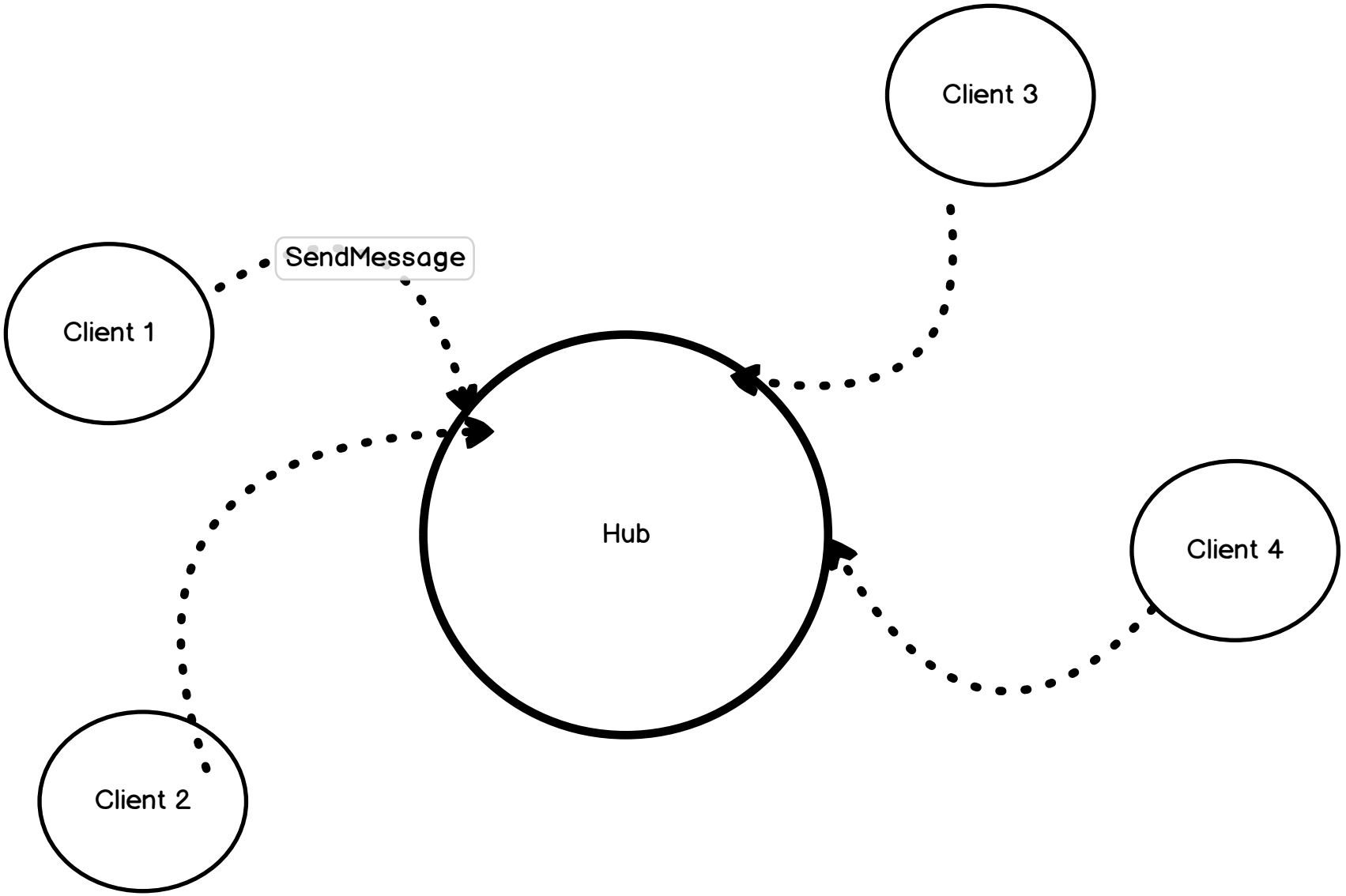
ASP.NET MVC

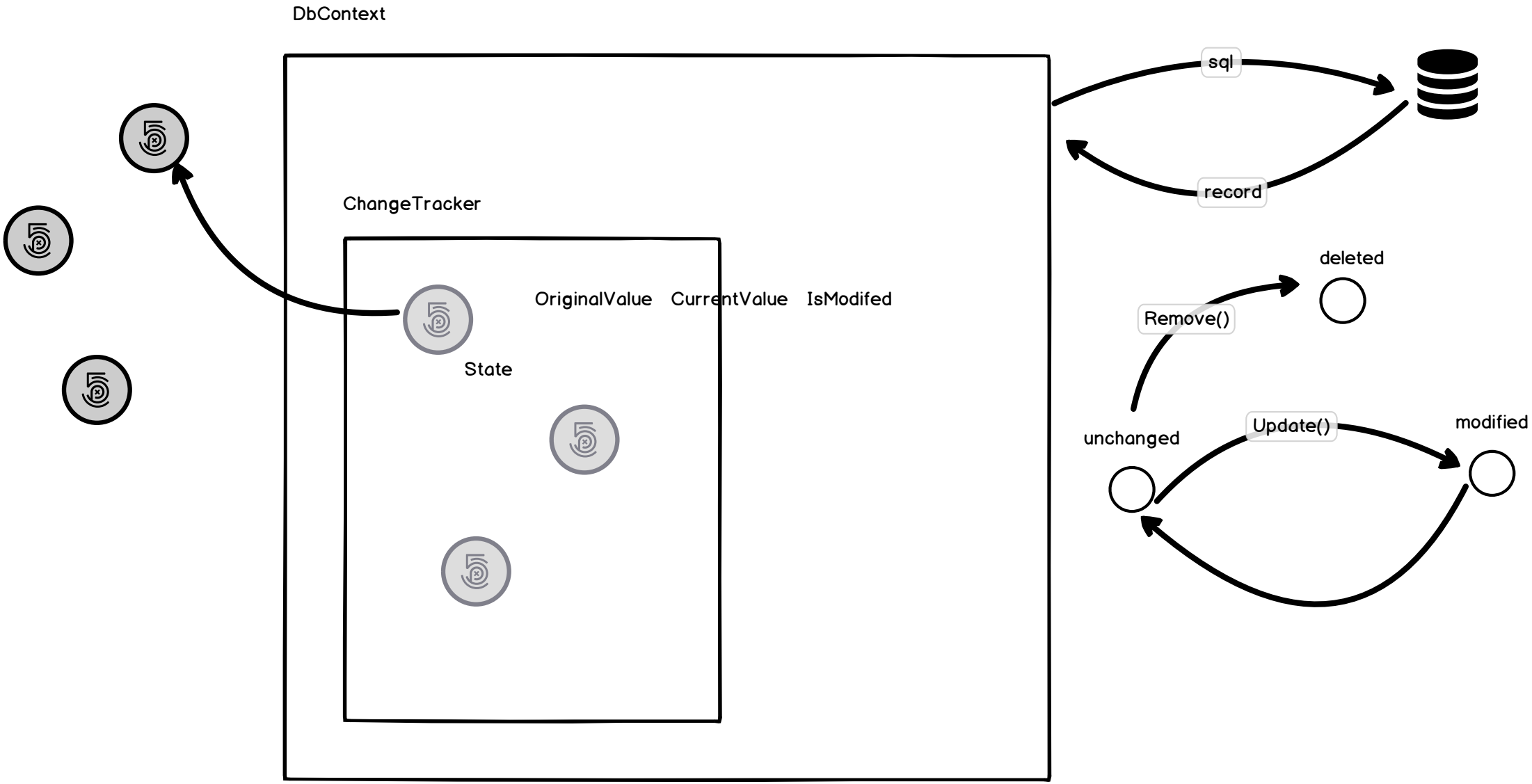
View()

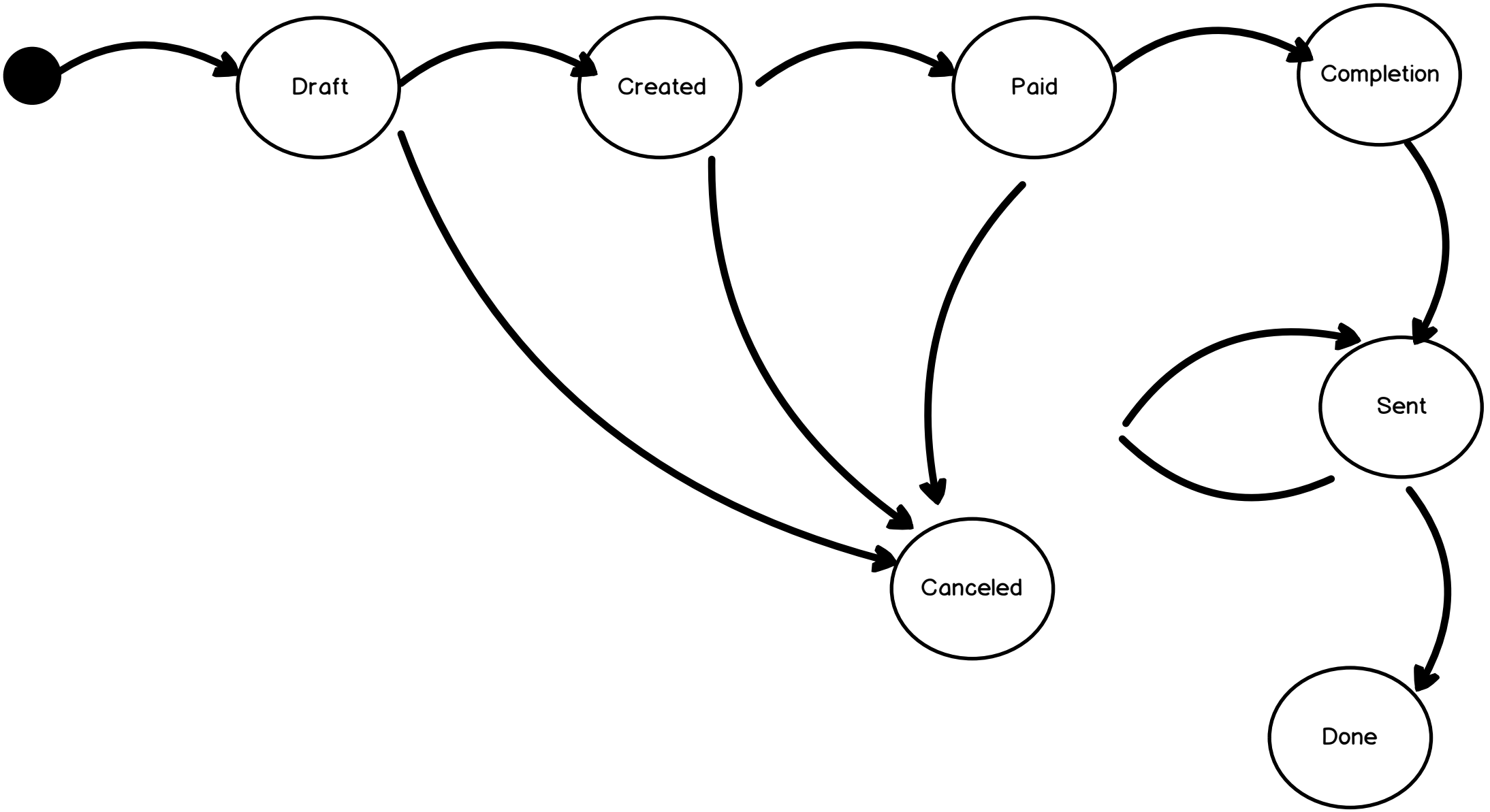

key
value
owin.RequestMethod
GET
owin.RequestPath
/api/customers
owin.ResponseBody
Hello World!
OWIN
http://domain.com/api/customers
kestrel
5000
GET /api/customers HTTP/1.1
Host: domain.com
Accept: application/html
POST /api/customers HTTP/1.1
Host: domain.com
Content-Type: application/json
Accept: application/json
{"FirstName":"John"}
pipe
HttpRequest
HttpRequest
HttpRequest
HttpRequest
HttpResponse
next
Use()
Run()

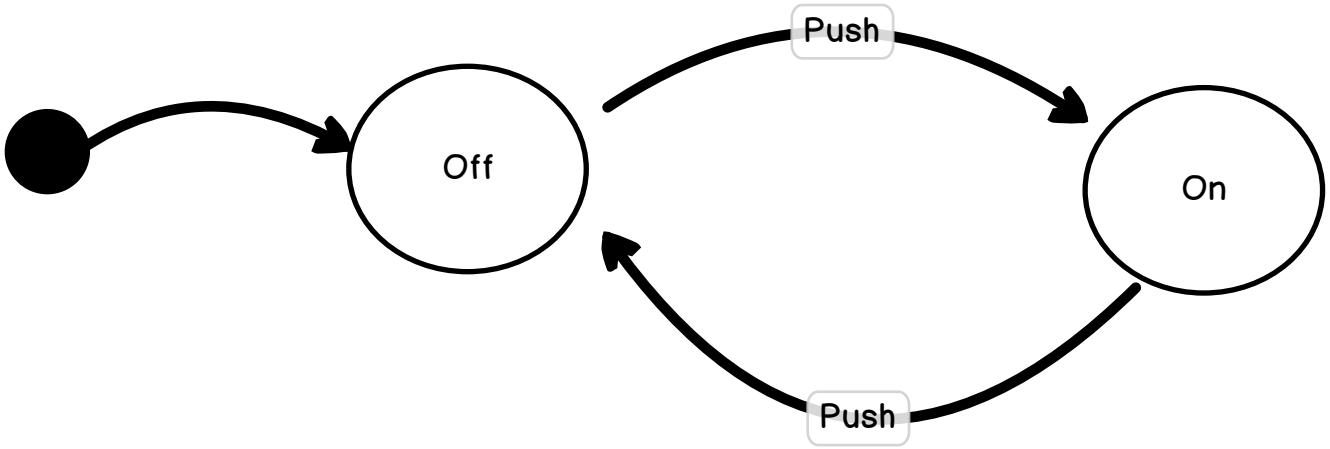

Gateway
~20sek
API
A Web Page
https://

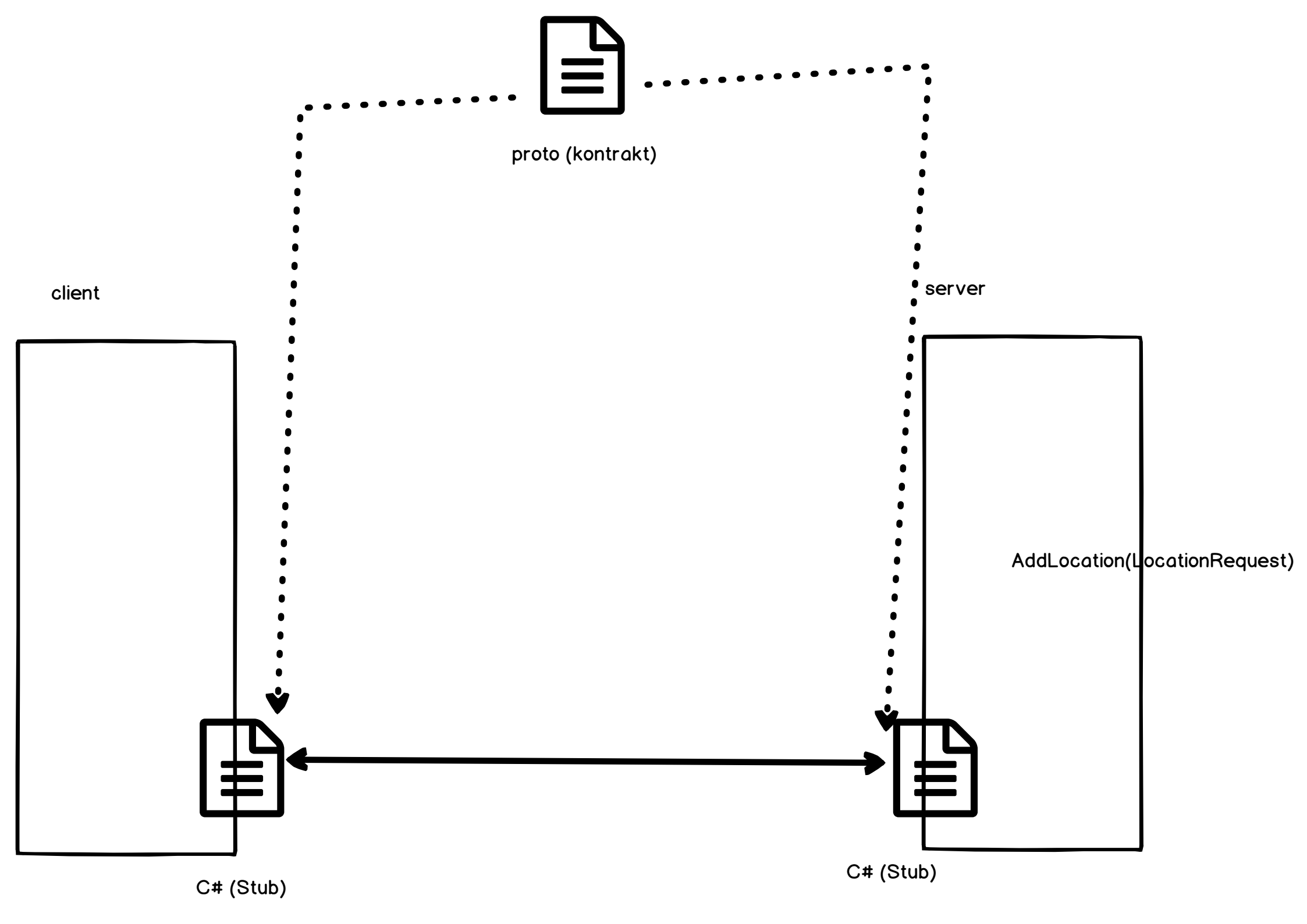

Reactive Extensions = events + Linq
Gateway
~20sek
Hub
A Web Page
https://
SignalR
(WebSocket)


Client 3
SendMessage
Client 1
Hub
Client 4
Client 2


DbContext
sql
record
ChangeTracker
OriginalValue
CurrentValue
IsModifed
State
deleted
Remove()
unchanged
Update()
modified


Draft
Created
Paid
Completion
Sent
Canceled
Done


Push
Off
On
Push


proto (kontrakt)
client
server
AddLocation(LocationRequest)
C# (Stub)
C# (Stub)

OData

api/customers?$fields=FirstName,LastName$orderby=size$filter=IsRemoved eq false

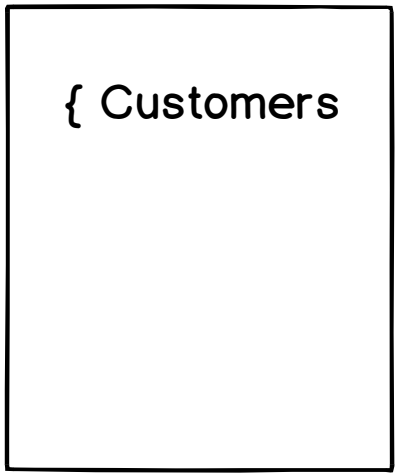
api/customers/10

api/customers/Marcin

api/customers?city=Warszawa

GraphQL

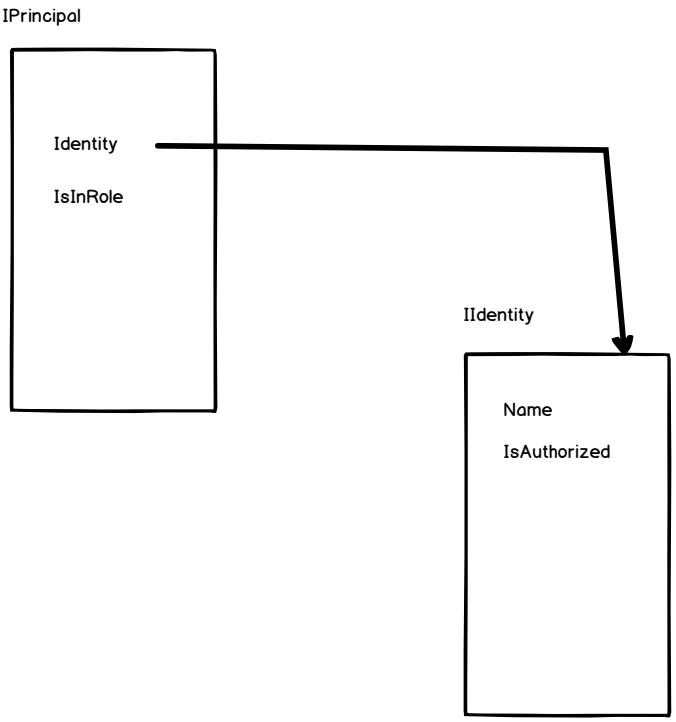
POST



api/service

api/customers

Authorization Basic base64(login:password)



GET api/customers

POST api/tokens/createtoken

login
hasło

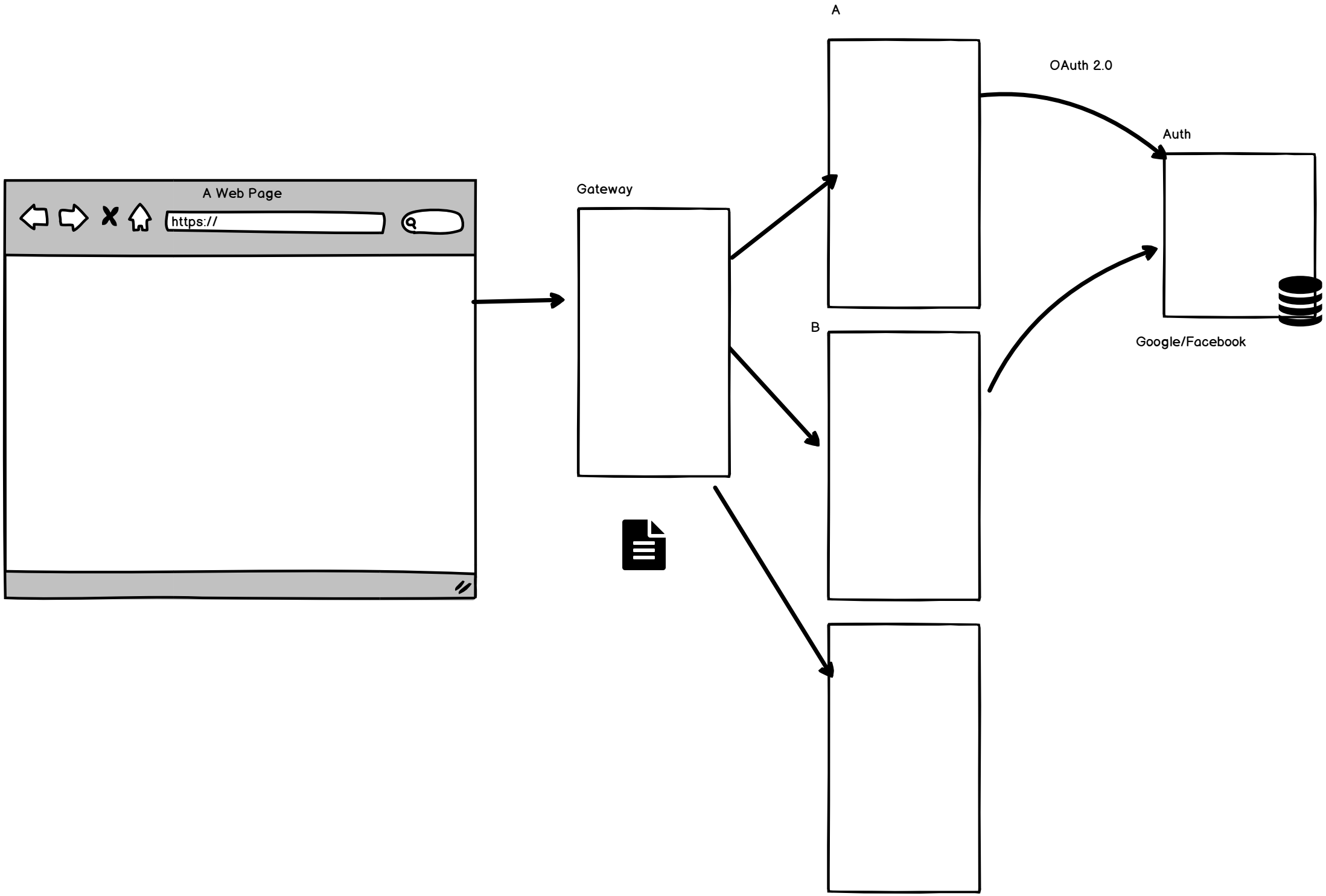
GET api/customers

Authorization Bearer 455rer90fdr8t345unwfwerf

OAuth 2.0

JWT (Javascript Web Token)

Bearer header+payload+signature


A
OAuth 2.0
Auth
A Web Page
https://
Gateway
B
Google/Facebook