A Web Page

https://

JS

Accept: text/csv

json / xml

json / xml

json

http://localhost/api/vehicles?format=kml

http://localhost/api/vehicles.kml

html

ConsoleClient
(REST API)

SenderConsoleClient
(Signal-R)

websocket

ReceiverConsoleClient
(Signal-R)

websocket

ConsoleClient
(gRPC)

grpc

Vehicles
(Razor Pages)
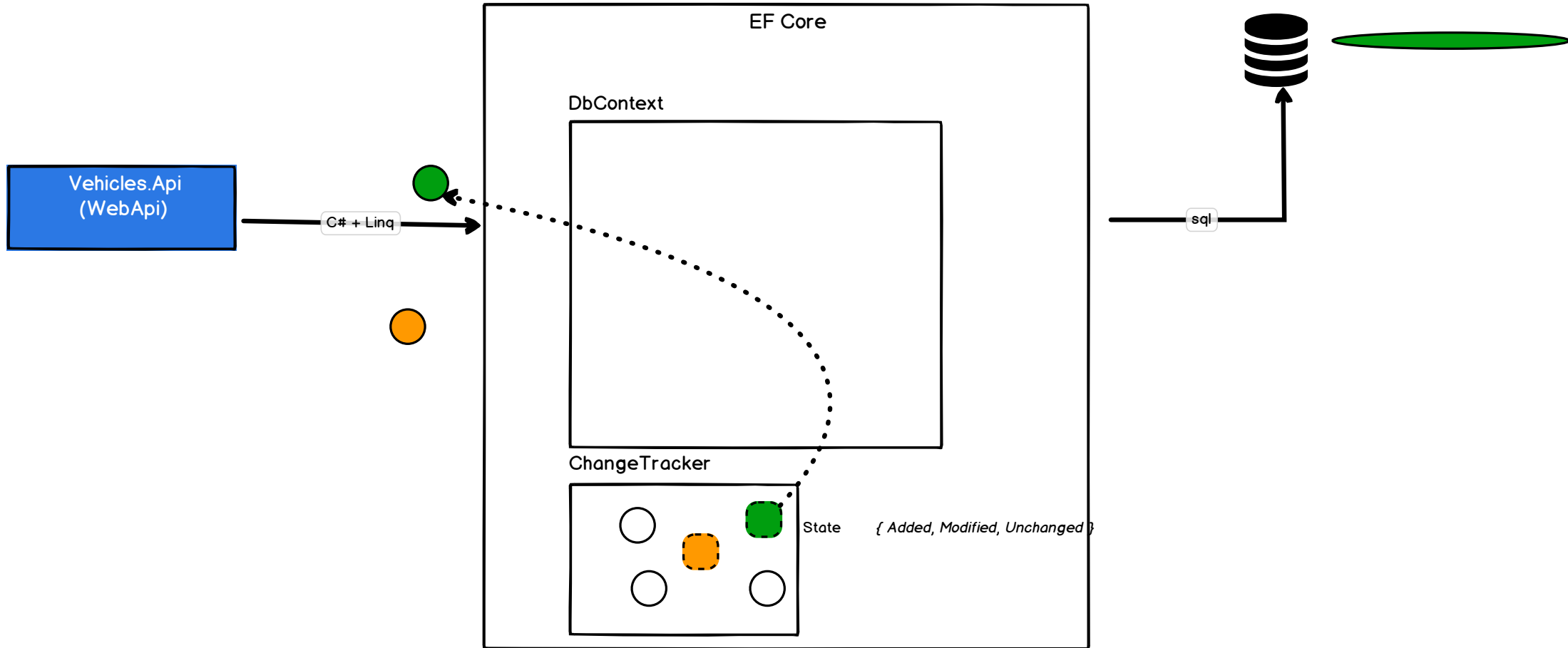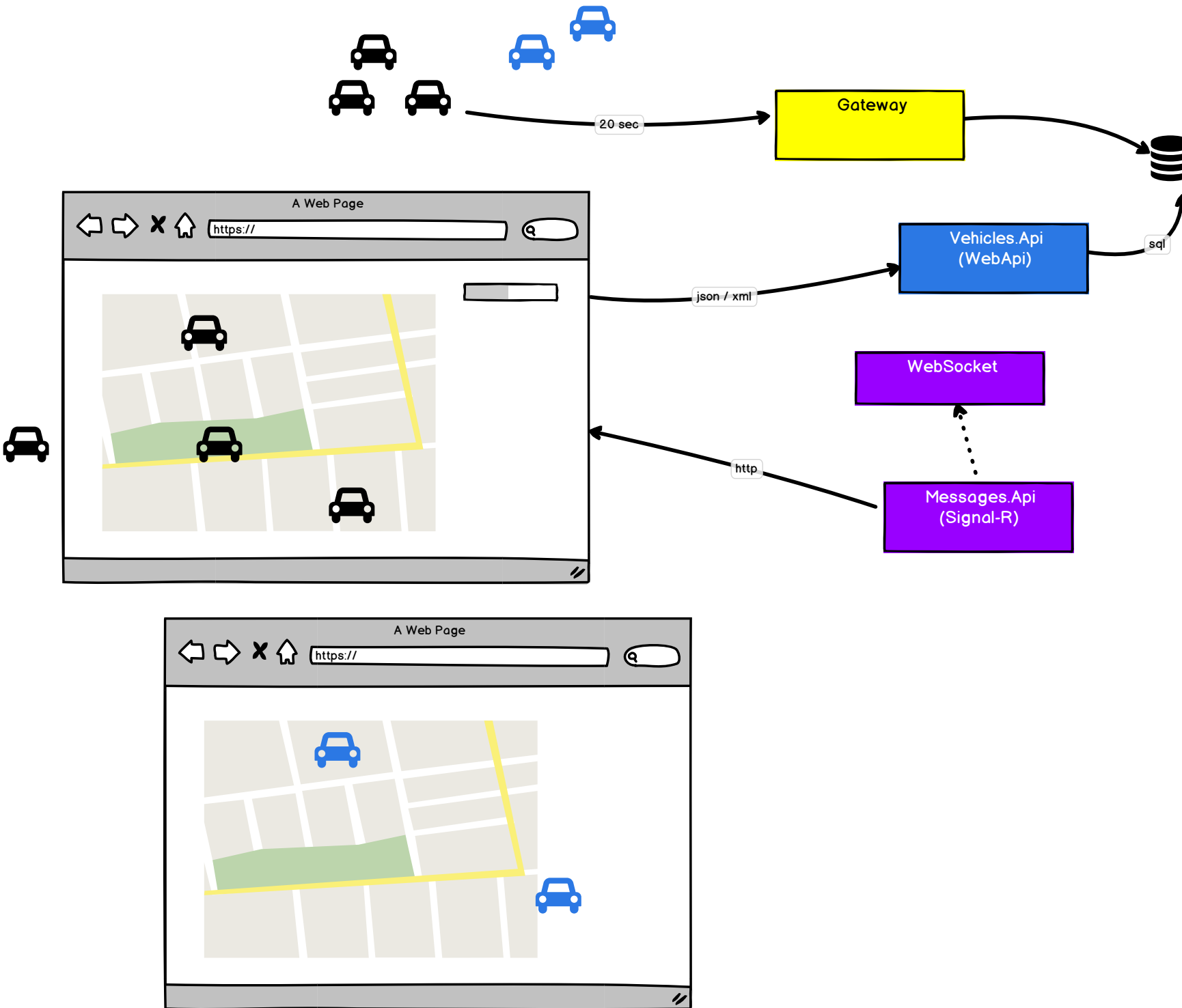
EF
Core

Vehicles.Api
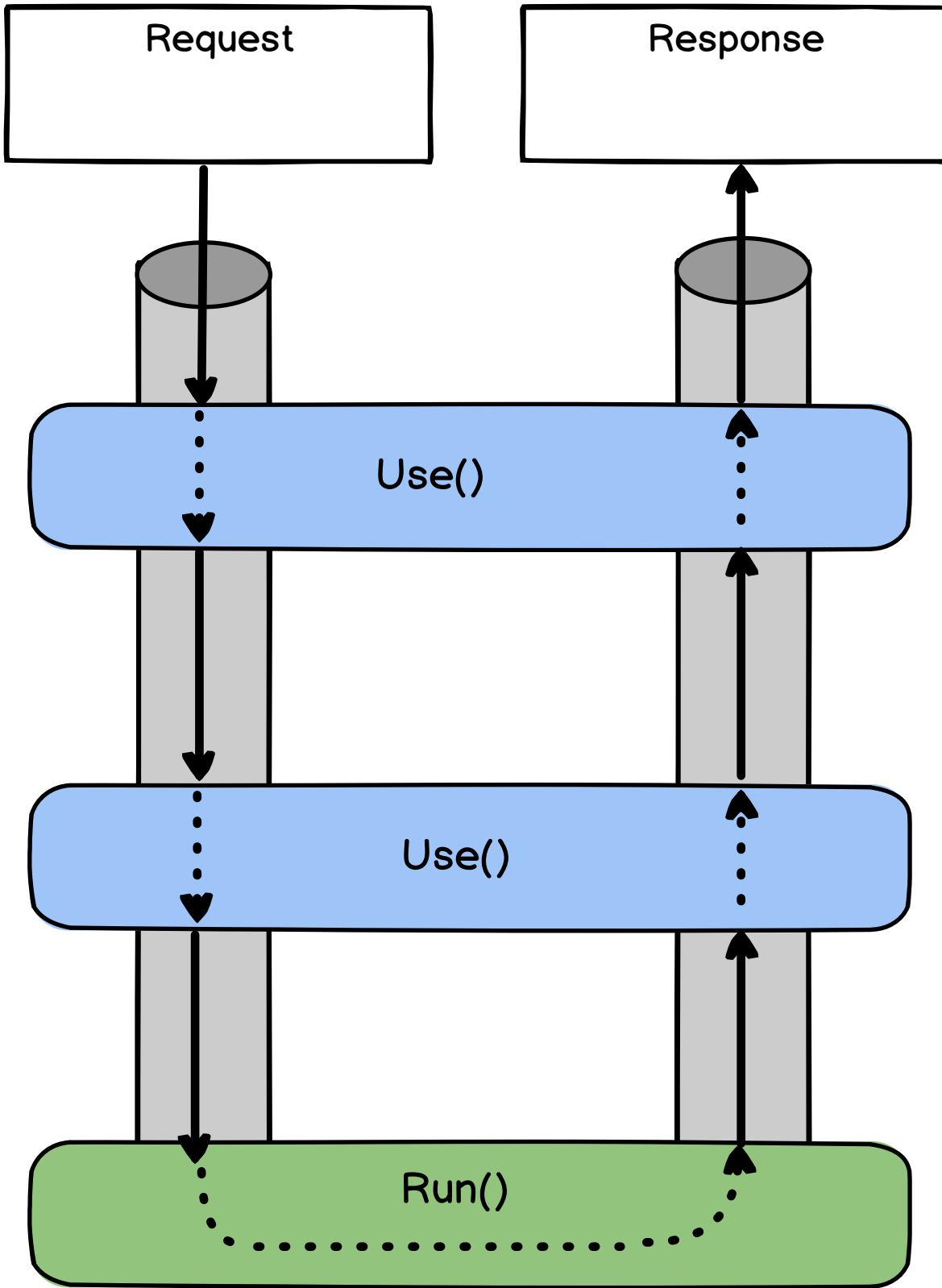(WebApi)

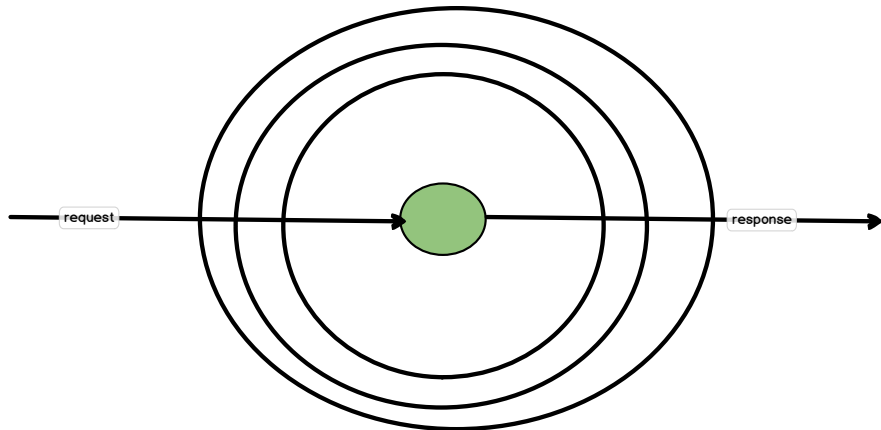Radio.Api
(Middleware)

Messages.Api
(Signal-R)

Tracking.Api
(gRPC)

ORM (Object Relation Mapping

EF Core

DbContext

ChangeTracker

State   *{ Added, Modified, Unchanged }*

Vehicles.Api (WebApi)

C# + Linq

sql

Gateway

20 sec

Vehicles.Api
(WebApi)

json / xml

sql

WebSocket

http

Messages.Api
(Signal-R)

A Web Page

https://

Request

Response

Use()

Use()

Run()

Request

Response

Logger Middleware

Authorization Middleware

Run()

Response

Request

next()

Logger Middleware

next()

next()

Authorization Middleware

next()

next()

Run()

request

response

A Web Page

https://localhost:5000/api/vehicles

Vehicles.Api.exe

request

5000 / 5001

Kestrel

HTTP Request

VehiclesController
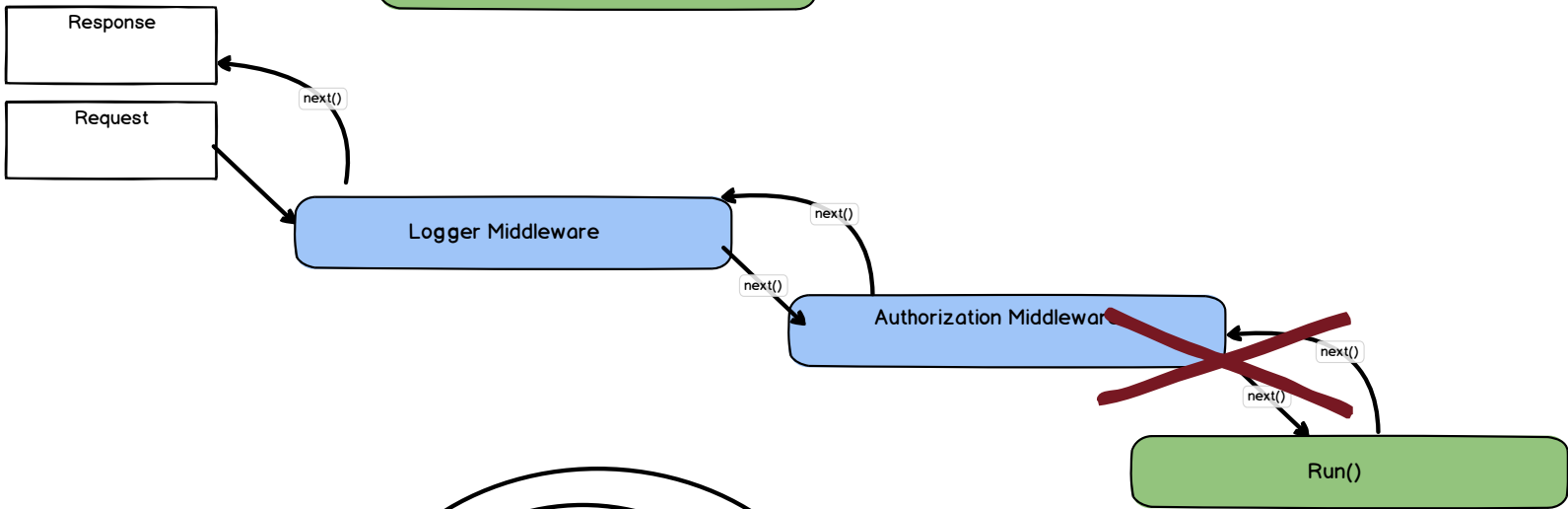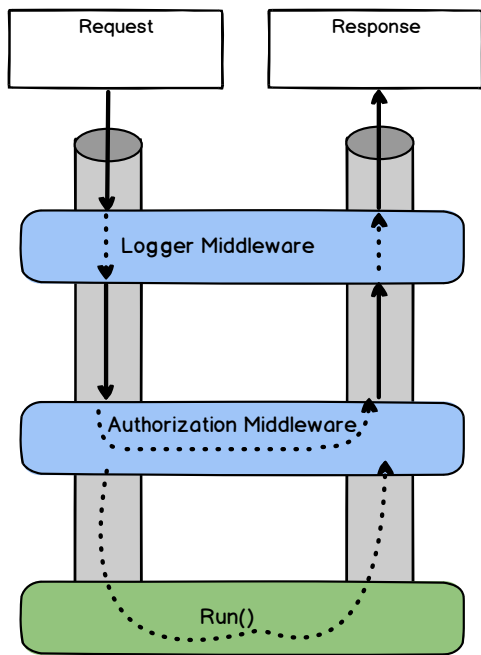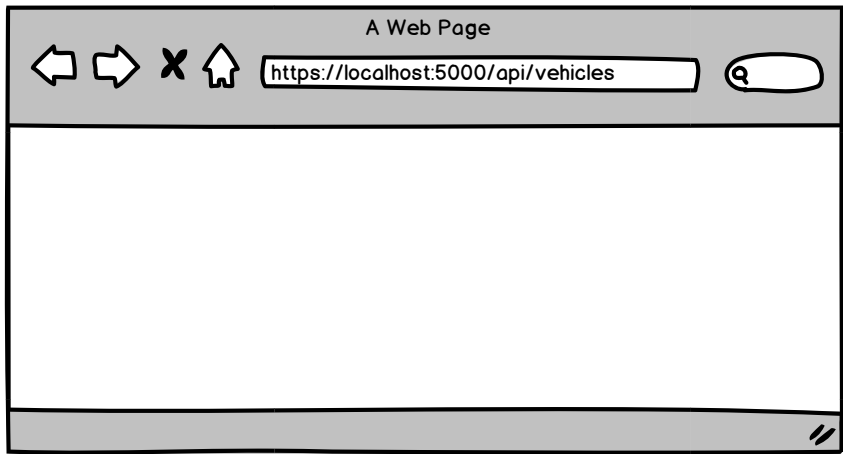
GET https://localhost:5000/api/vehicles

GET https://localhost:5000/api/vehicles/10

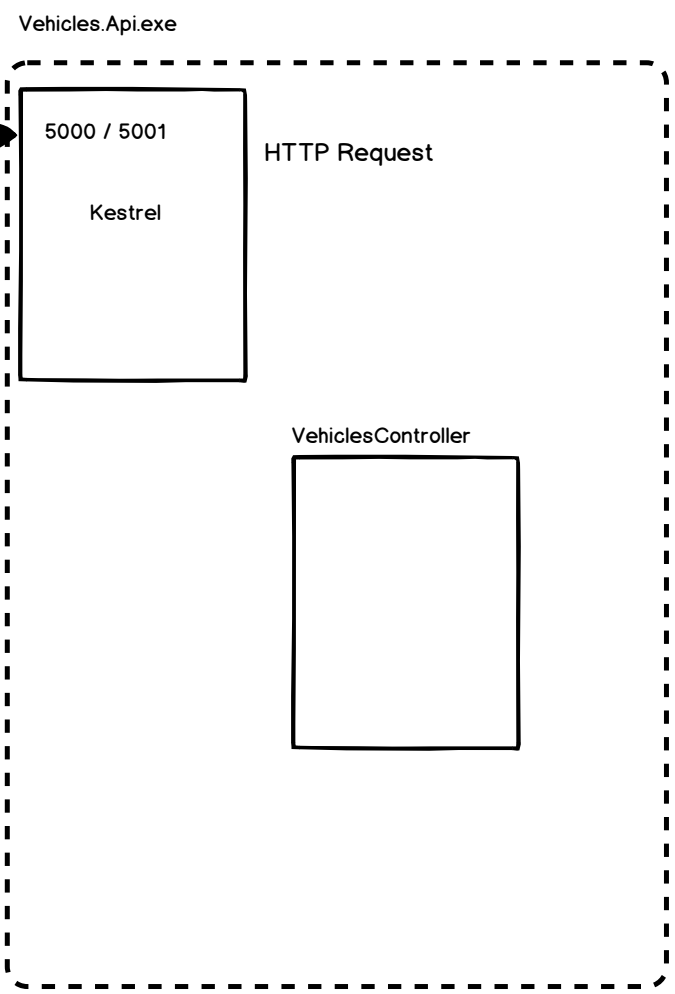POST api/vehicles HTTP/1.1
host: localhost
content-type: application/json

{json}

Open Api (Swagger)

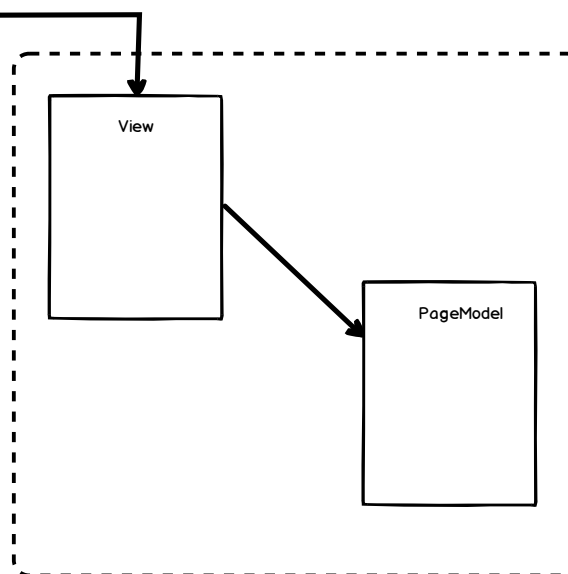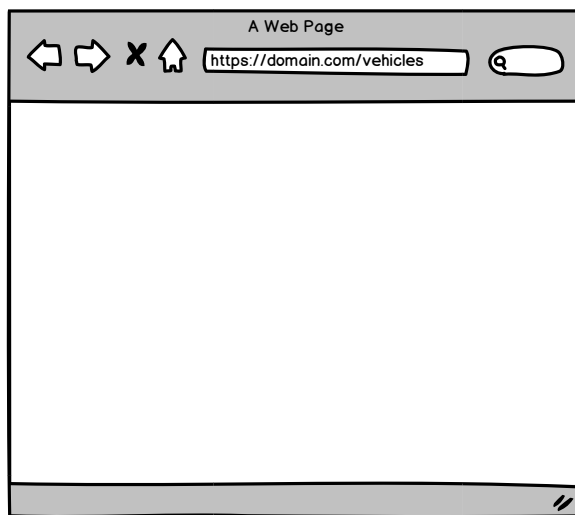GET api/vehicles HTTP/1.1

host: localhost
accept: application/json

A Web Page

https://domain.com/vehicles

VehiclesController

View(model)

View

Model

A Web Page

https://domain.com/vehicles

View

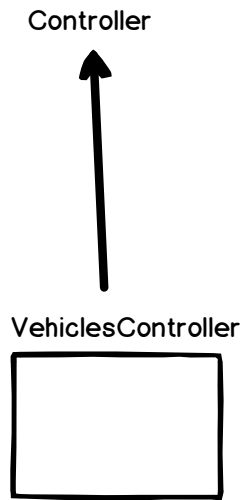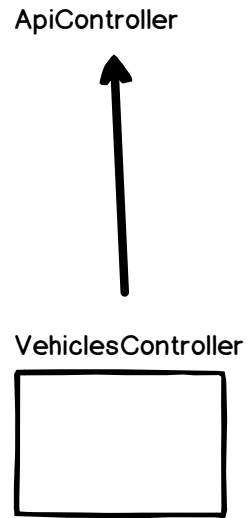PageModel
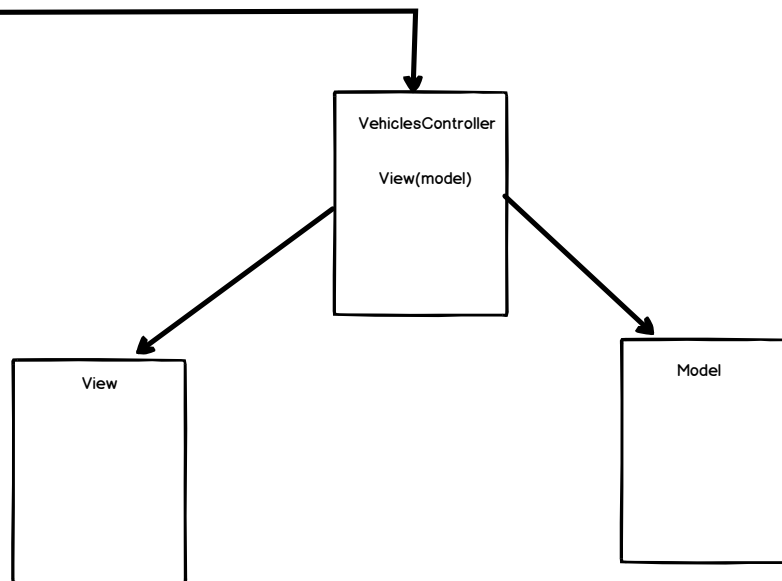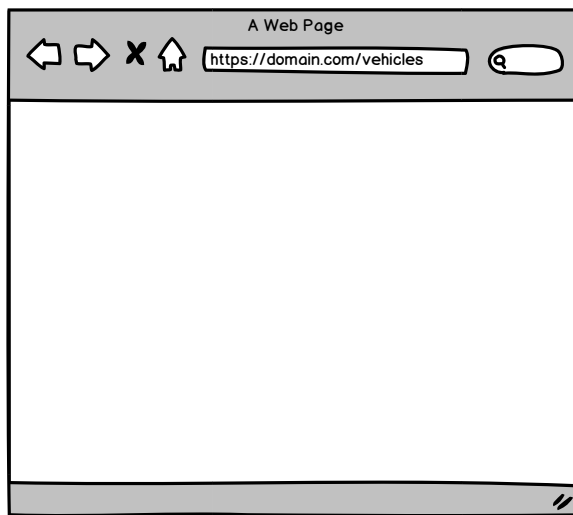
IPrincipal

IIdentity

Basic

JWT Tokens

json

count   defaultModel

xml

defaultModel   timeout

IConfiguration

ASP.NET MVC
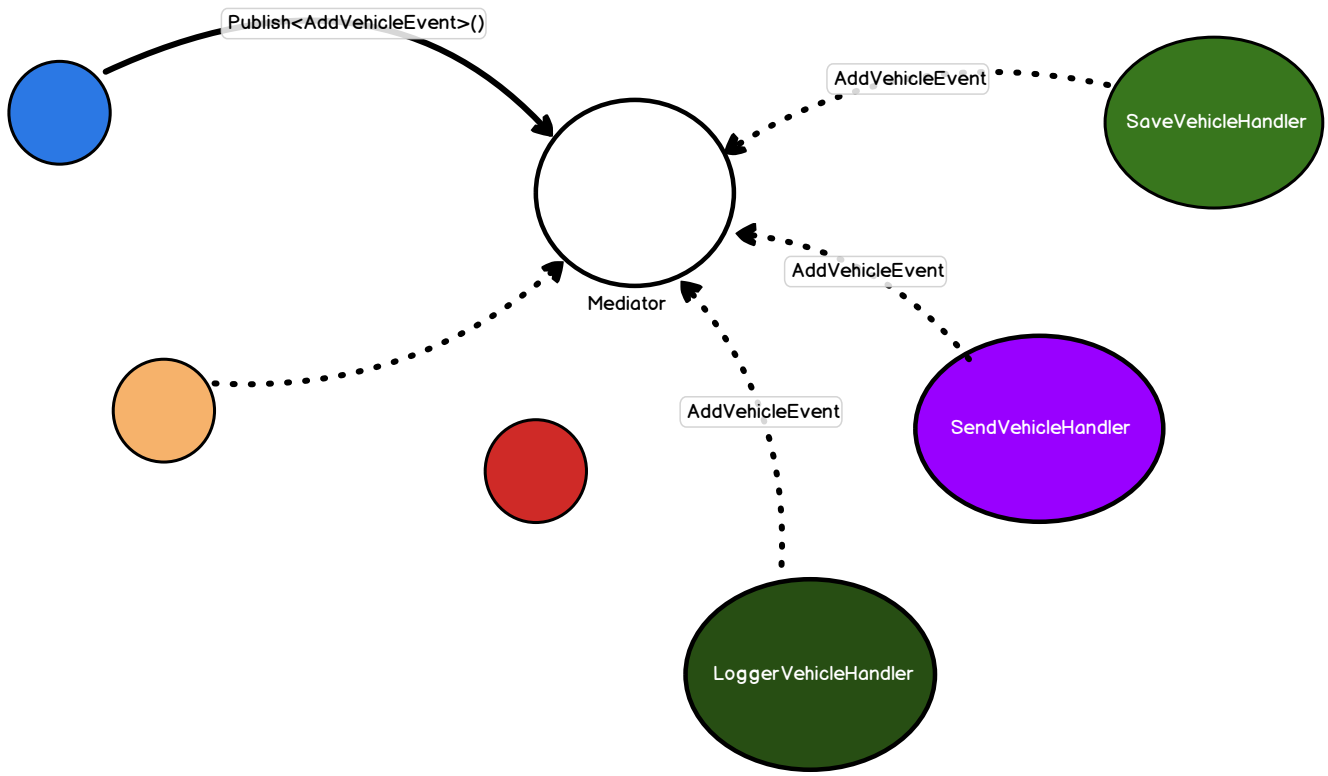
Controller

↑

VehiclesController

```



```

WebAPI

ApiController

↑

VehiclesController

```



```

ASP.NET Core

BaseController

↑

Controller

↑

VehiclesController

```



```

Publish<AddVehicleEvent>()

Mediator

AddVehicleEvent

AddVehicleEvent

AddVehicleEvent

SaveVehicleHandler

SendVehicleHandler

LoggerVehicleHandler

Mediator

Alarm

YouHaveGotMessage

Hub

Client

Alarm

Alarm

Client

Publish<TNotification>()

Notification

INotificationHandler<TNotification>
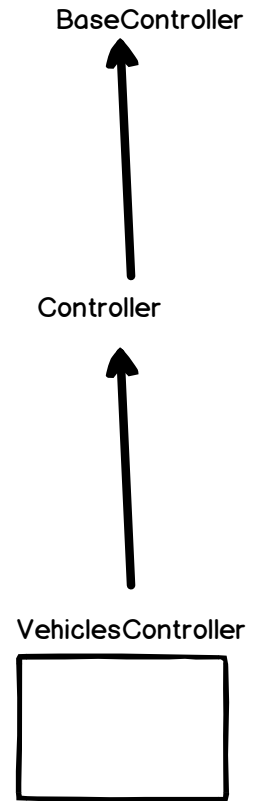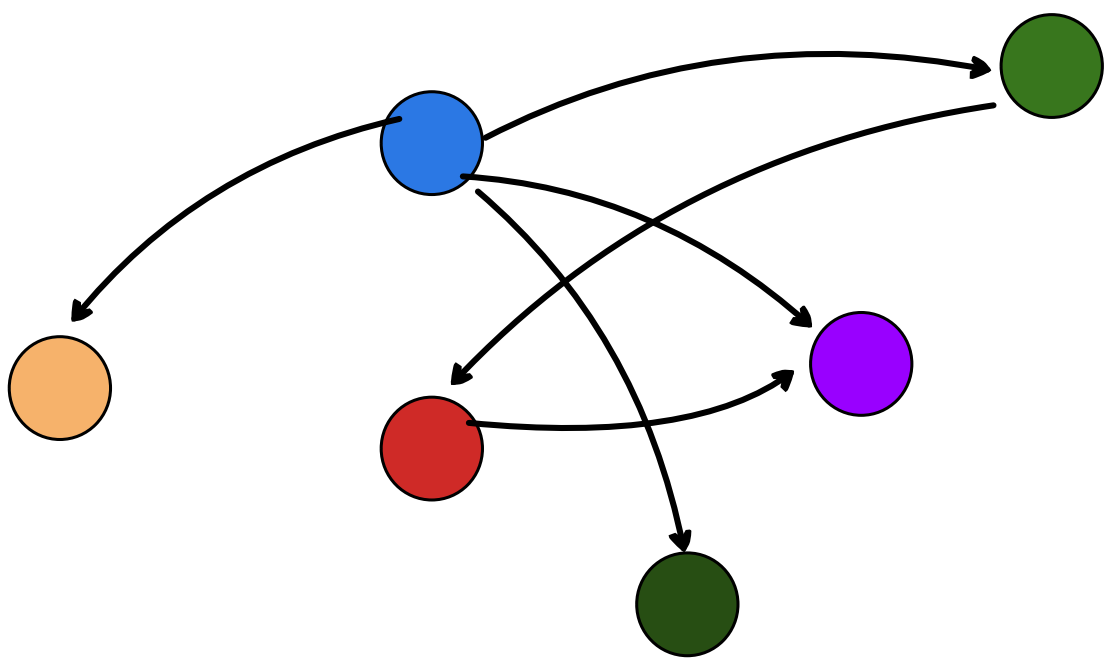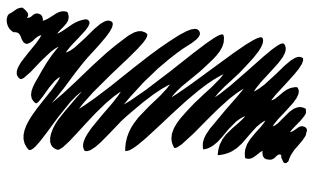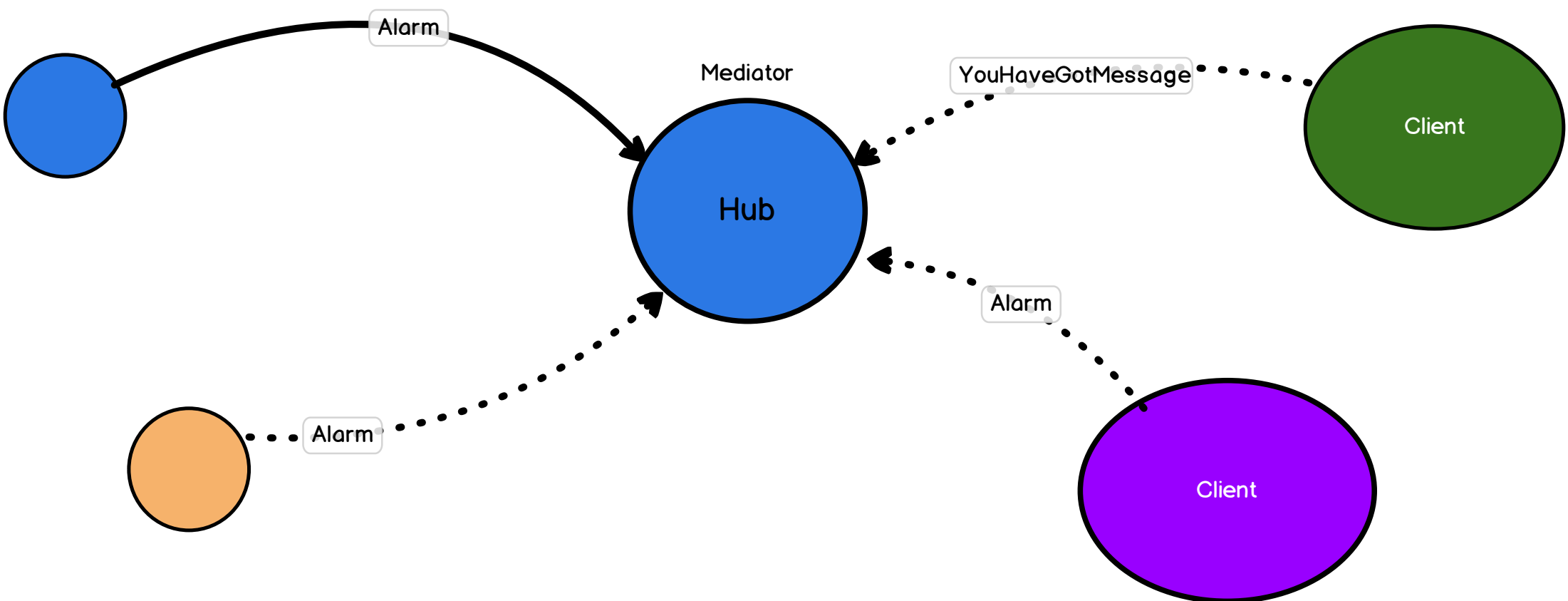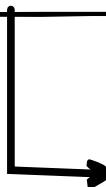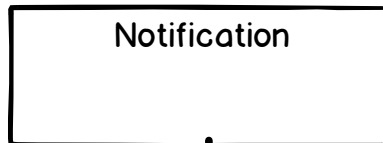
TResponse = Send(TRequest)

Request

Response

IRequestHandler