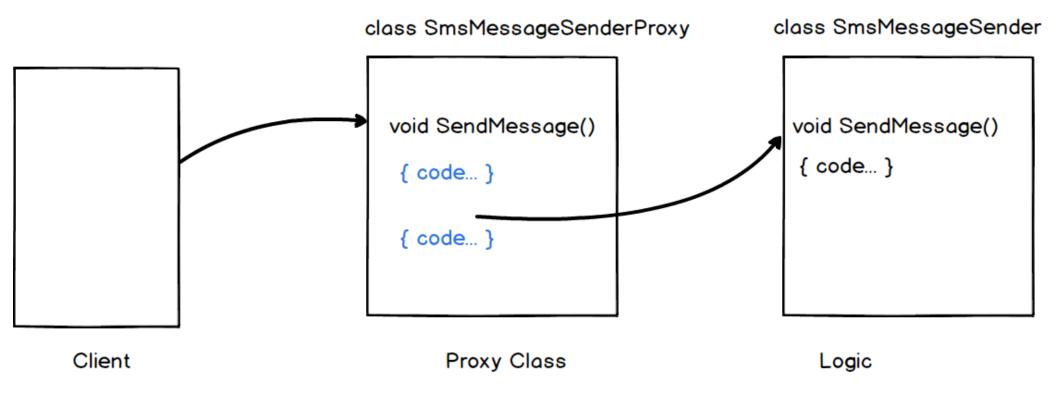
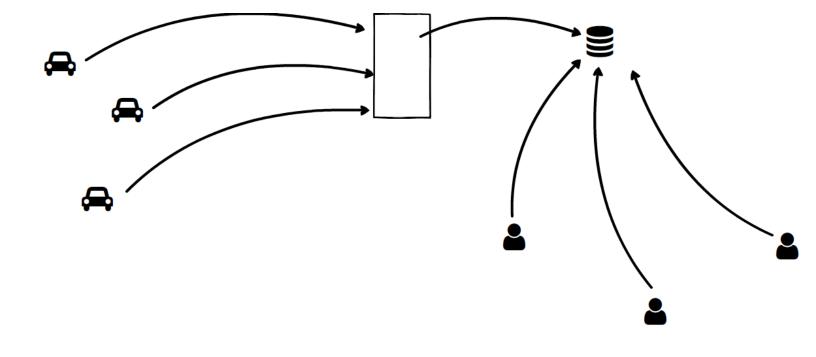
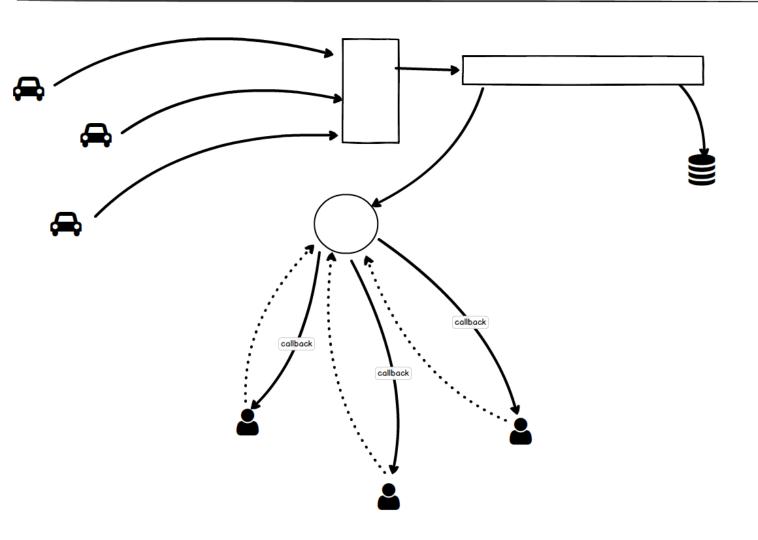
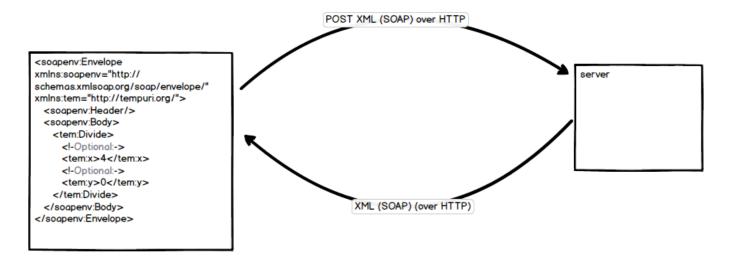


Client Server









.NET Core / Web API 2 (.NET Framework)

```
POST api/customers HTTP/1.1
Host: localhost
Content-Type: application/json
{blank-line}
{
    "firstname": "Marcin", "lastname":
    "Sulecki"
}
```

POST api/customers HTTP/1.1
Host: localhost
Content-Type: application/xml
{blank-line}
<xml>
<firstname>Ashish</firstname>
<lostname>Seghal</lostname>
</xml>

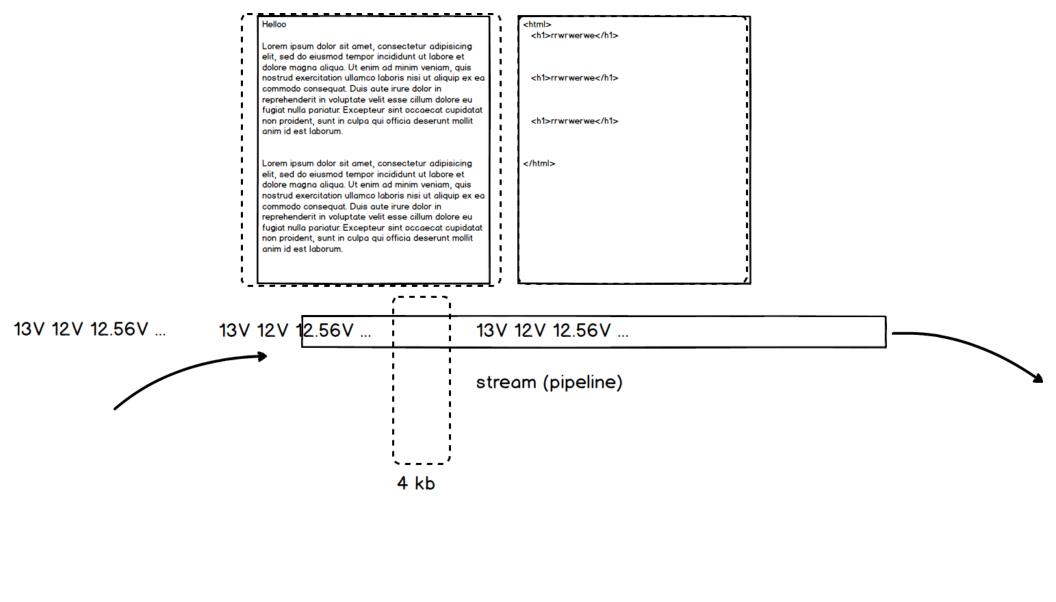
GET api/customers/10 HTTP/1.1 Host: localhost Accept: application/json

GET api/customers HTTP/1.1 Host: localhost Accept: application/json

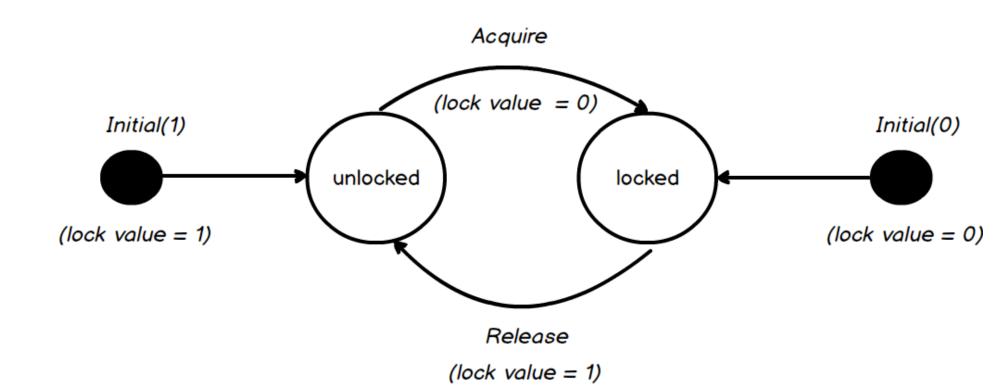
```
PUT api/customers/10 HTTP/1.1
Host: localhost
Content-Type: application/json
{
  "firstname": "Bartek", "lastname":
  "Sulecki"
}
```

PATCH api/customers/10 HTTP/1.1
Host: localhost
Content-Type: application/json
{
 "firstname": "Bartek"
}

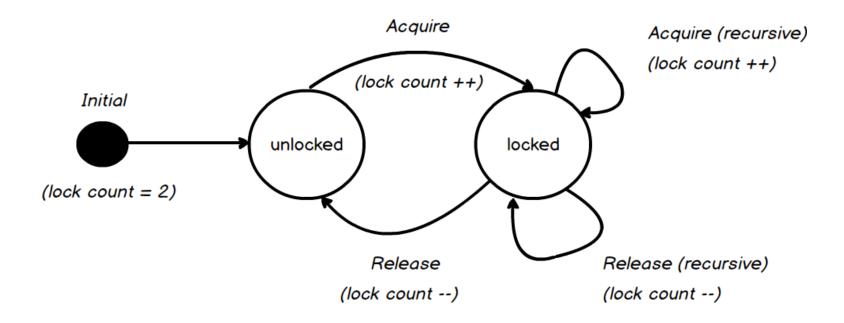
```
DELETE api/customers/10 HTTP/1.1
Host: localhost
```











```
procedure V (S : Semaphore; I : Integer);
begin
S := S + I (* operacja atomowa *)
end;

procedure P (S : Semaphore; I : Integer);
begin
(* cała operacja jest atomowa *)
repeat
Wait();
until S >= I;
S := S - I;
end;
```



Monitor vs Mutex vs Semaphore vs SemaphoreSlim

