


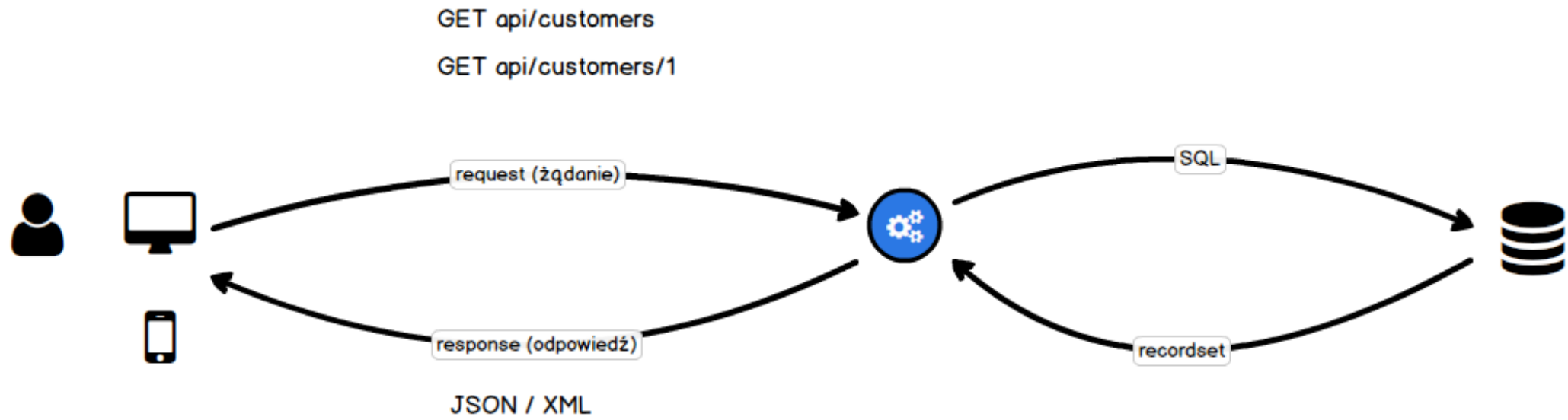


.NET Framework		.NET Core										
IIS	Self Hosting	Windows			Linux		MacOS		Android		IOS	
Windows		IIS			Apache	ngnx	Apache	ngnx				
Winforms	WPF	Winforms	WPF	UWP					Xamarin			
		WinUI										
		MAUI			MAUI		MAUI					
Avalonia UI												
Blazor												

.NET Core								
dotnet	Visual Studio 		Visual Studio Code 			Rider 		
	Windows	MacOS	Windows	MacOS	Linux	Windows	MacOS	Linux



GET /api/customers/{customerId}?city={city}&street={street}

Verb

Route Params

Query Params

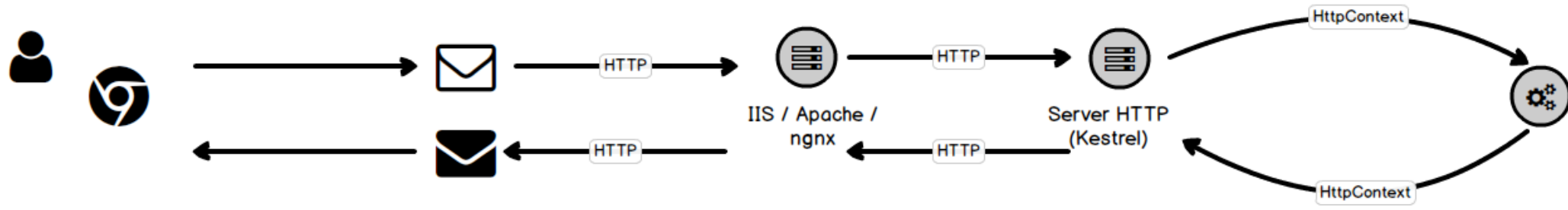
Url

```
GET /api/customers/1 HTTP/1.1
Host: localhost
Accept: application/json
\n\r
```

HttpContext

- HttpRequest Request {get; set; }
- HttpResponse Response {get; set; }
- environment

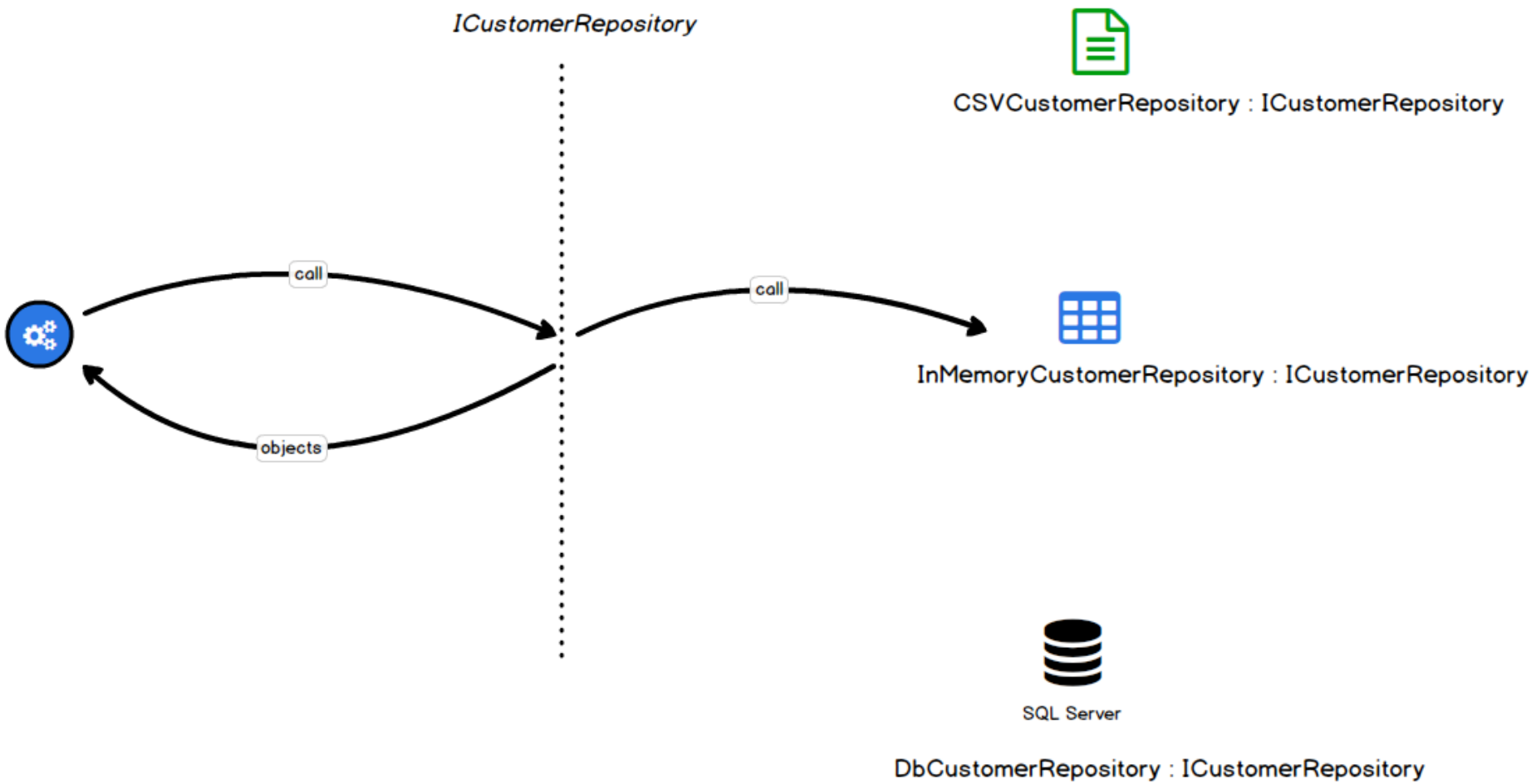
http://localhost:5000/api/customers/1



		request	response	
HEAD	Pobierz nagłówek	HEAD /api/customers/1 HTTP/1.1 Host: localhost \n\r	200 OK	404 Not Found
GET	Pobierz	GET /api/customers/1 HTTP/1.1 Host: localhost Accept: application/json \n\r	200 OK Content-Type: application/json	
POST	Utwórz	POST /api/customers HTTP/1.1 Host: localhost Content-Type: application/json Accept: application/json  { "FirstName":"John", "LastName":"Smith", "Salary":1000 } \n\r	201 Created Location: http://localhost:5000/ api/customers/1 Content-Type: application/json  { "Id":1, "FirstName":"John", "LastName":"Smith", "Salary": 1000 } \n\r	
PUT	Zamień	PUT /api/customers/1 HTTP/1.1 Host: localhost Content-Type: application/json Accept: application/json  { "FirstName":"John", "LastName":"Smith", "Salary":1500 } \n\r	204 NoContent	
PATCH	Zmień	PATCH /api/customers/1 HTTP/1.1 Host: localhost Content-Type: application/json Accept: application/json  { "Salary":1500 } \n\r	204 NoContent	JSON Merge Patch Content-Type: application/merge-patch+json Morcatko.AspNetCore.JsonMergePatch  JSON Patch Content-Type: application/json-patch+json Microsoft.AspNetCore.JsonPatch
DELETE	Usuń	DELETE /api/customers/1 HTTP/1.1 Host: localhost  \n\r	200 Ok	

Interface

*ICustomerRepository*





Type	Type
<i>ICustomerRepository</i>	InMemoryCustomerRepository
<i>IProductRepository</i>	DbProductRepository



http://



Name (job title)	Age	Nickname	Employee
Giacomo Guilizzoni Founder & CEO	40	Peldi	<input type="radio"/>
Marco Botton Tuttofare	38		<input checked="" type="checkbox"/>
Mariah Maclachlan Better Half	41	Patata	<input type="checkbox"/>
Valerie Liberty Head Chef	:)	Val	<input checked="" type="checkbox"/>
<a href="#">Data Grid Docs</a>			<input type="checkbox"/>





http://



Some text

Some text

Some text

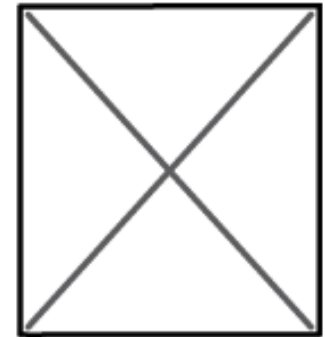
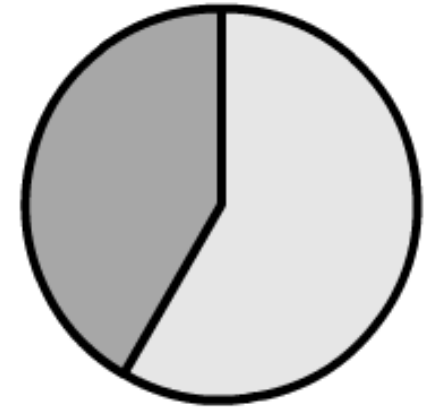
Some text

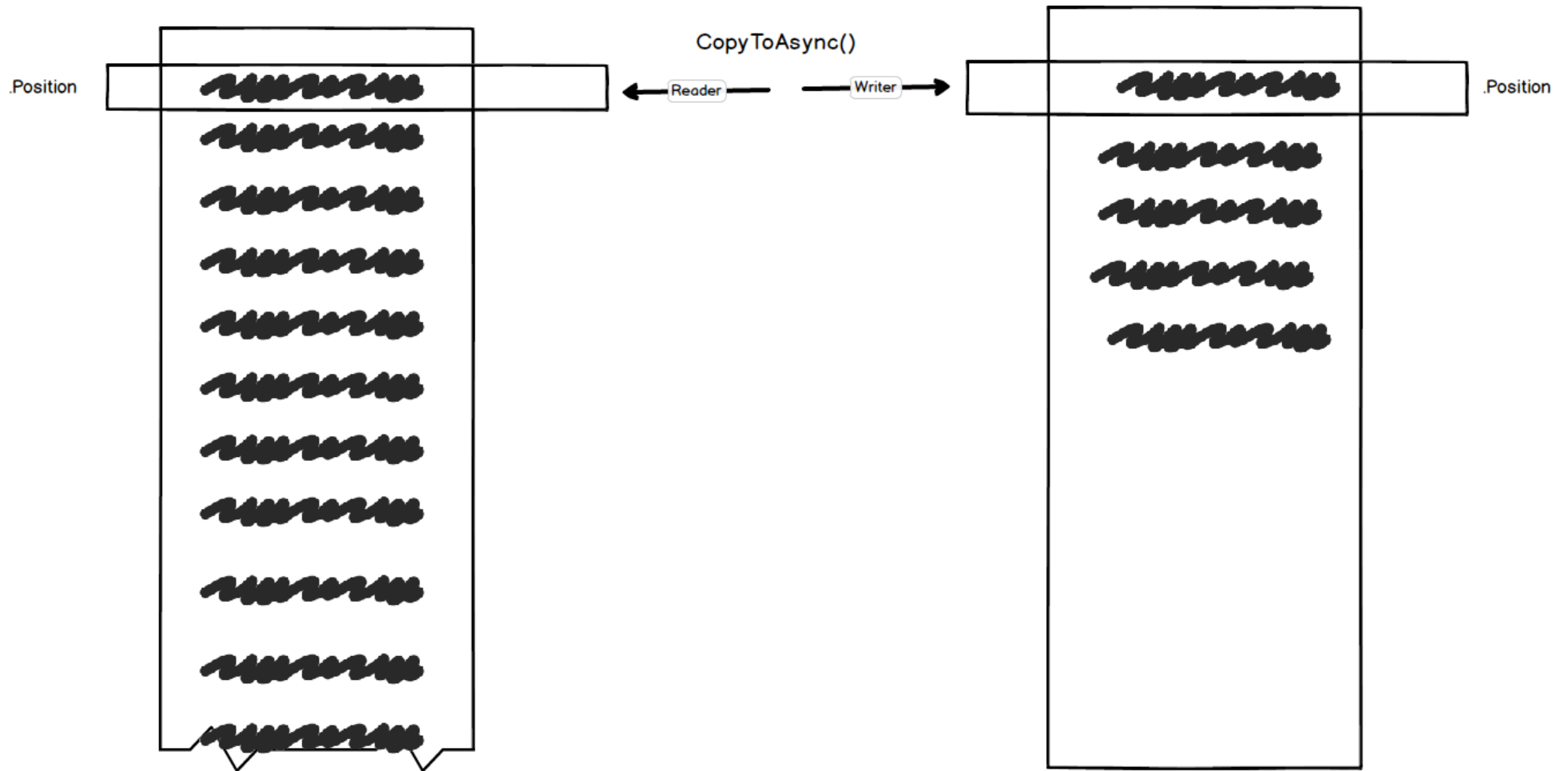
Some text

Some text

Some text

ComboBox

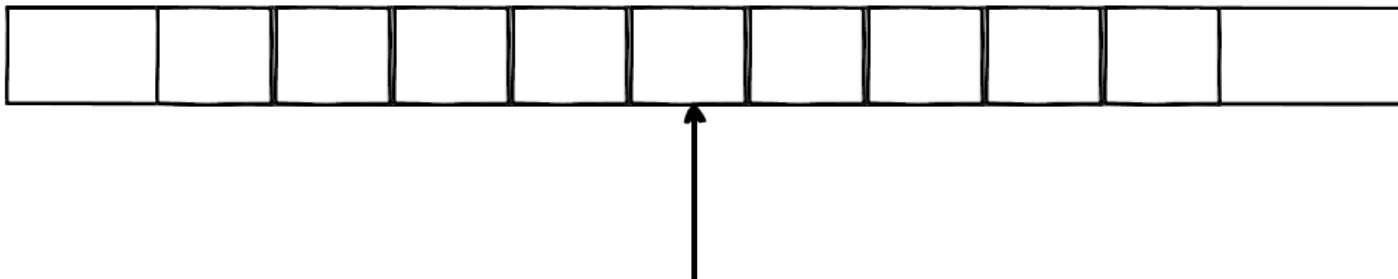


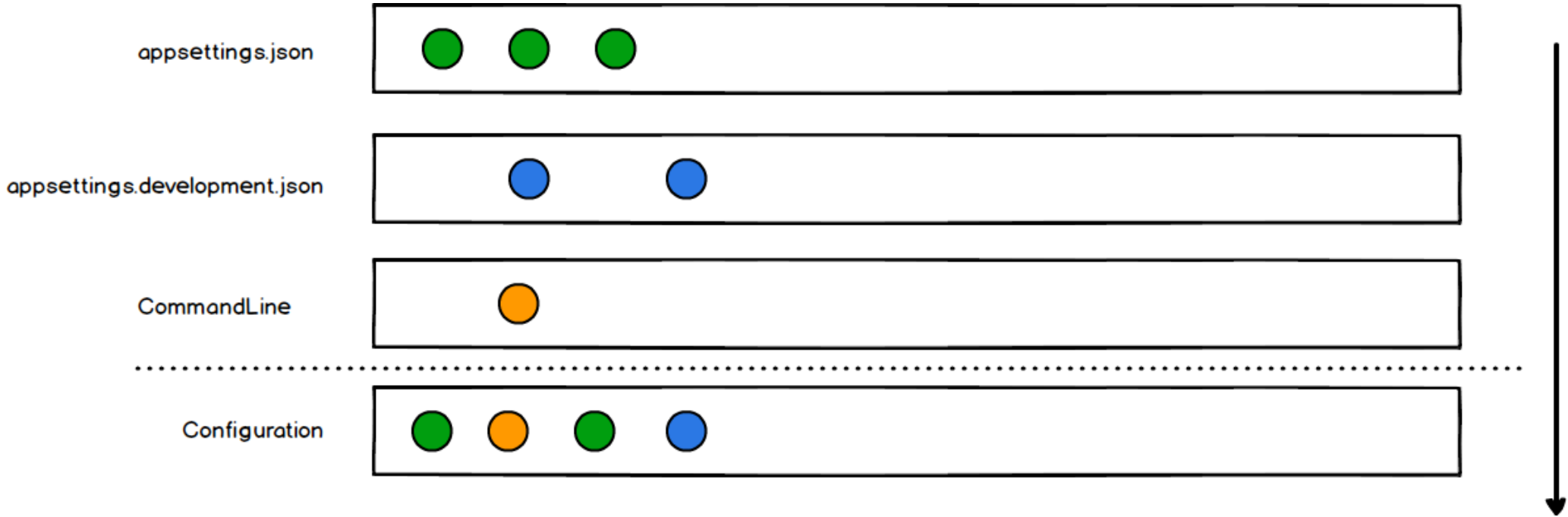


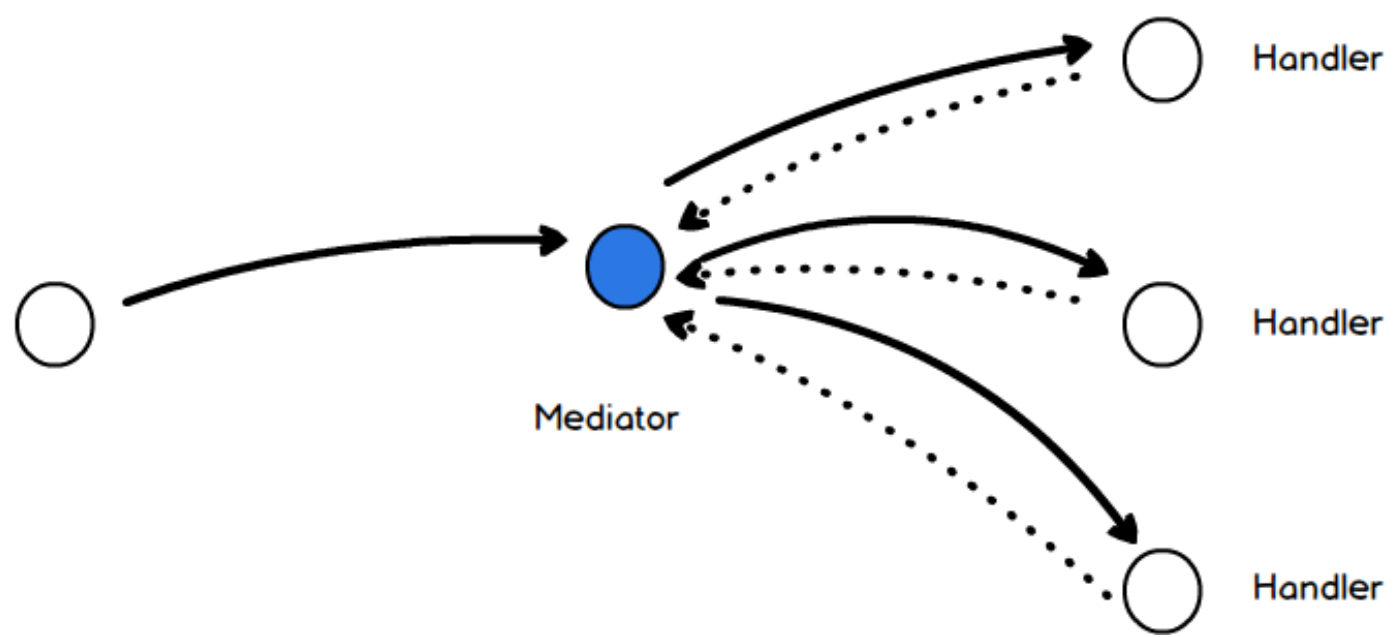
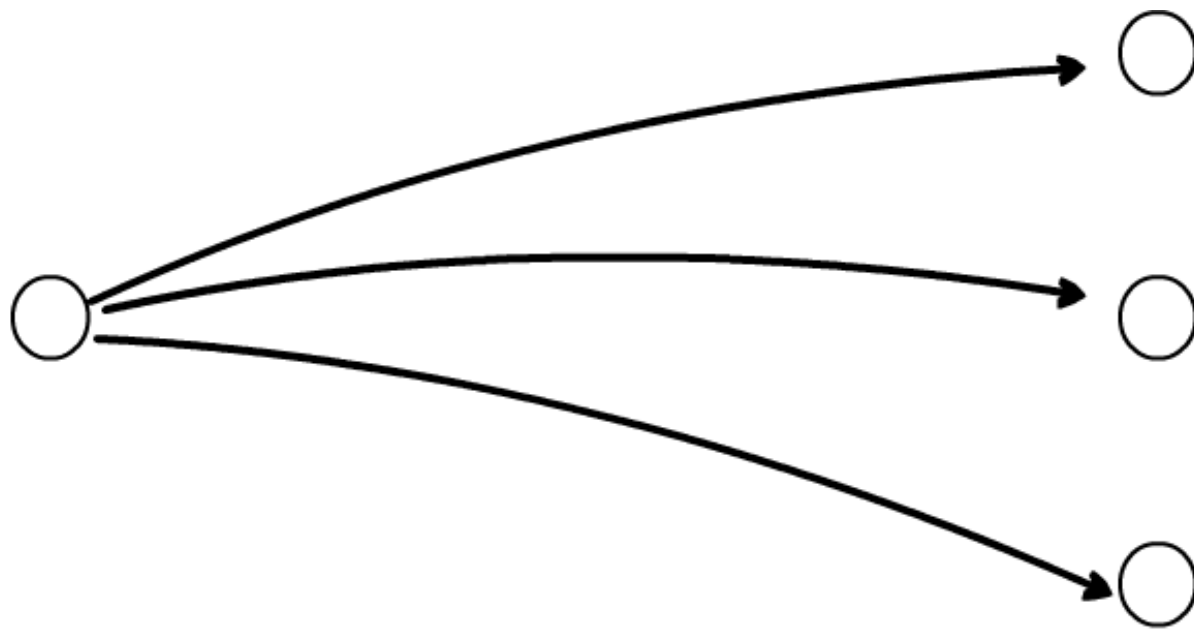
Customers.csv

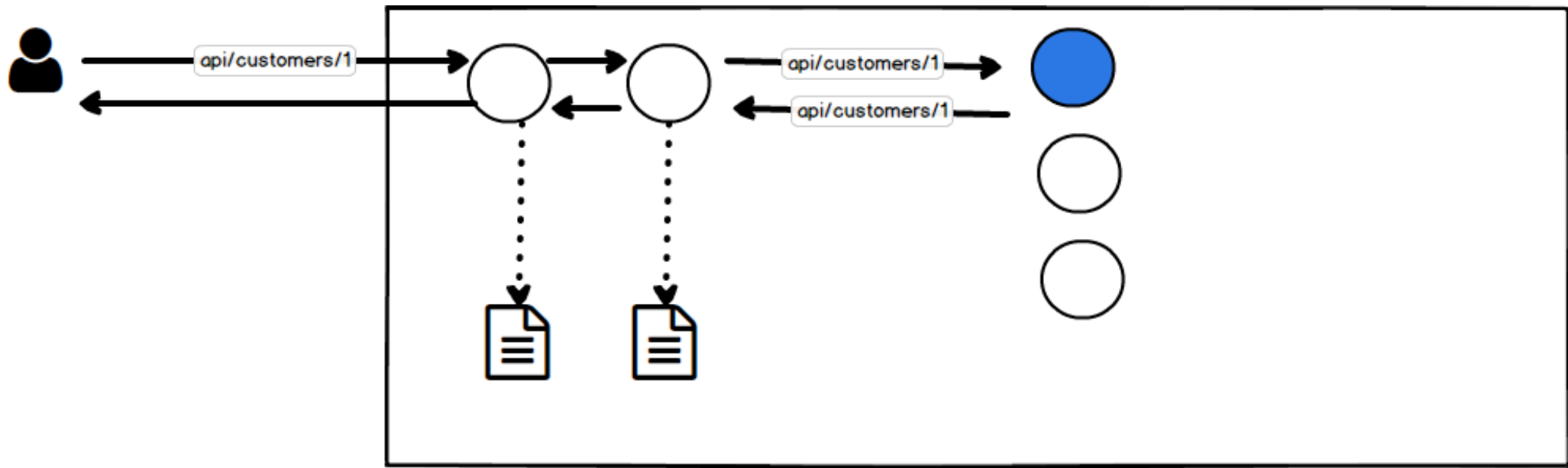
Customers.xls

```
string[] lines = File.ReadAllText()
```

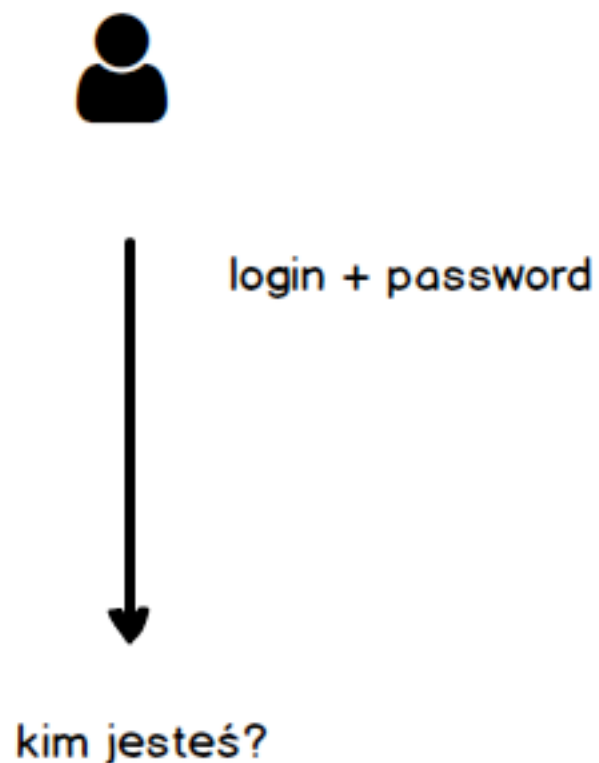




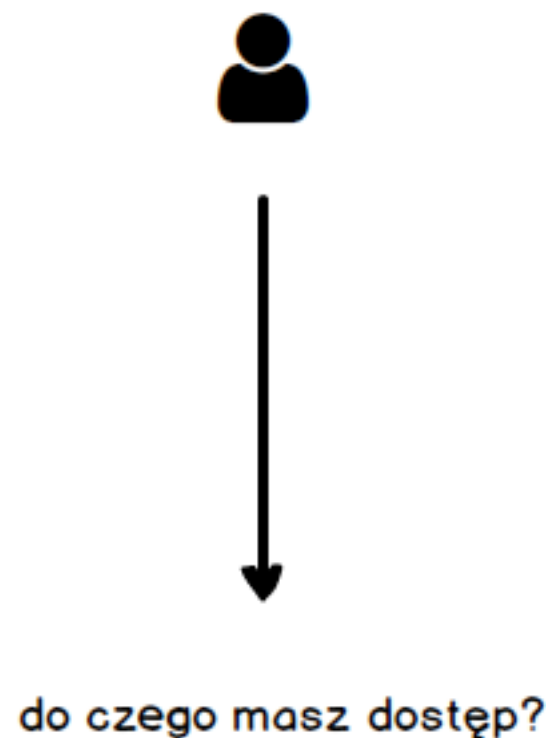




## Uwierzytelnianie



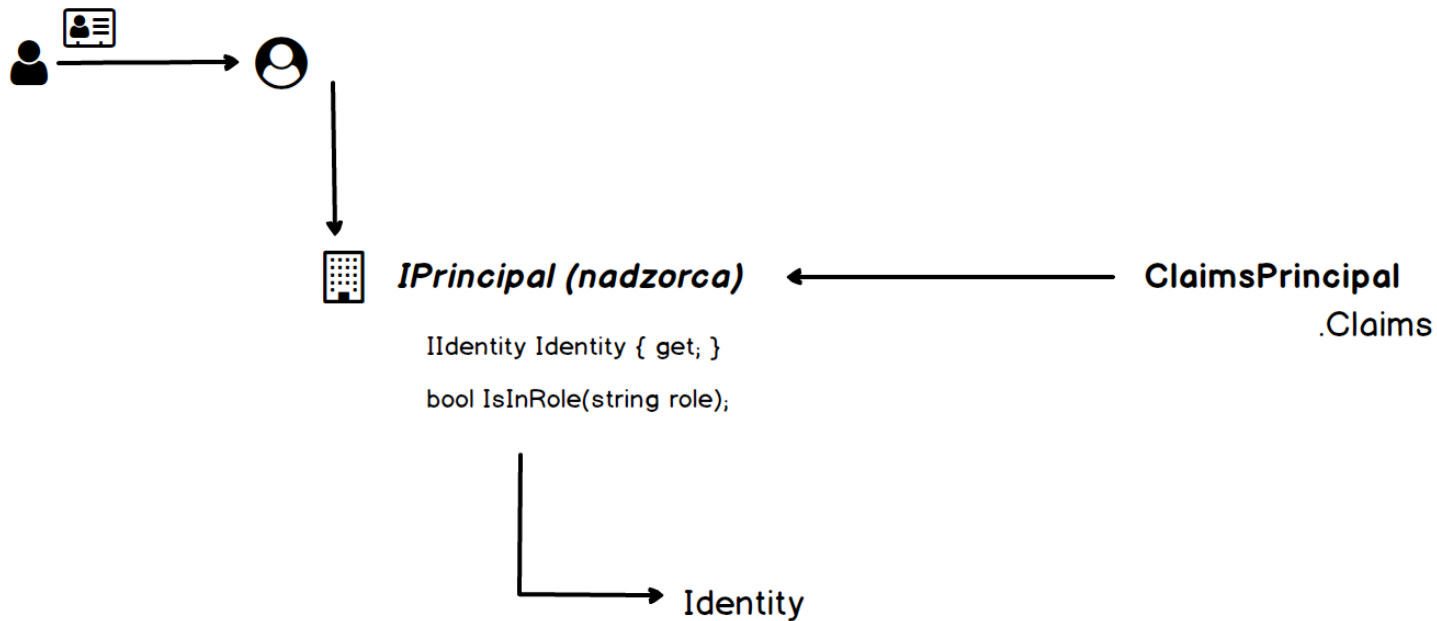
## Autoryzacja



## Identity (tożsamość)





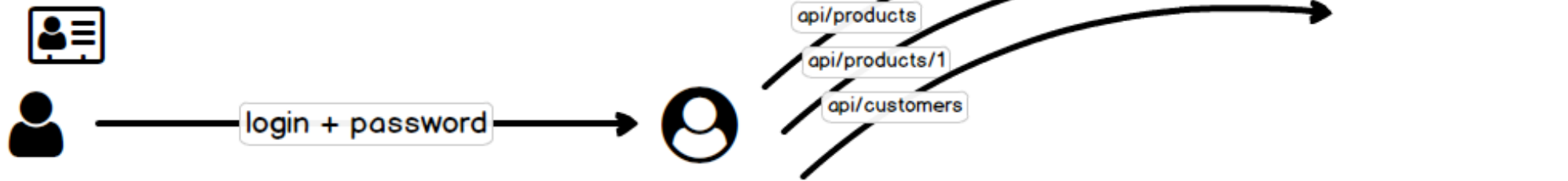


### ***Identity***

`string Name { get; }`  
`string AuthenticationType { get; }`  
`bool IsAuthenticated { get; }`

← **ClaimsIdentity**  
`.Claims`

Type	Value
kat	B
kat	C
ValidDate	bezterminowe
phone	555-123-321
role	developer
role	trainer



GET api/products HTTP/1.1  
Host: localhost  
Authorization: Basic base64({login}:{password})

key

schema

parametr



login + password



POST api/token/create



A%F%##%W\$RFSEERFER%454



api/products

GET api/products HTTP/1.1  
Host: localhost  
Authorization: Bearer {token}

key

schema

parametr