1.


```
cb468733dae6   rabbitmq:management   "docker-entrypoint.s…"   11 seconds ago   Up 10 seconds   4369/tcp, 5671/tcp, 0.0.0.0:5672->5672/tcp, 15671/tcp, 15691-15692/tcp, 2
5672/tcp, 0.0.0.0:15672->15672/tcp   rabbit

C:\Users\chudy>
```

```
localhost:91/api/library/rent/10
```

MojaPG   Enauczanie   M Gmail   YouTube

```
C:\Users\chudy\source\repos\KSR_13\LibrarySystem_curr_try\LibrarySystem\Library.NotificationService2\bin\Debug

warn: Microsoft.AspNetCore.Server.Kestrel[0]
      Overriding address(es) 'http://localhost:60215/'. Binding to endpoints def
l() instead.
Hosting environment: Development
Content root path: C:\Users\chudy\source\repos\KSR_13\LibrarySystem_curr_try\Lib
Now listening on: http://[::]:80
Application started. Press Ctrl+C to shut down.
The Mikolajek with id: 10 was rented
```
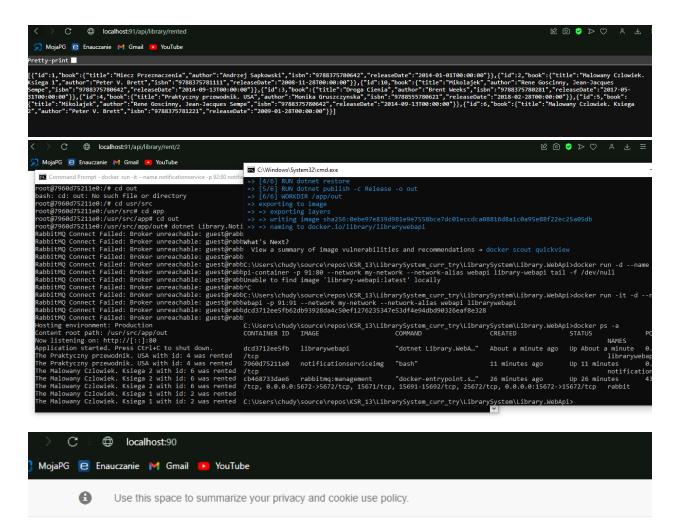
2.

```
  Library.NotificationService2 -> /usr/src/app/bin/Release/net8.0/Library.NotificationService2.dll
  Library.NotificationService2 -> /usr/src/app/out/
root@695a68b38fac:/usr/src/app# cd out/
root@695a68b38fac:/usr/src/app/out# dotnet Library.NotificationService2.dll
RabbitMQ Connect Failed: Broker unreachable: guest@rabbit:5672/
RabbitMQ Connect Failed: Broker unreachable: guest@rabbit:5672/
RabbitMQ Connect Failed: Broker unreachable: guest@rabbit:5672/
RabbitMQ Connect Failed: Broker unreachable: guest@rabbit:5672/
```

```
notificationserviceimg          latest        6a5fe72f83f3   6 seconds ago    988MB
mcr.microsoft.com/dotnet/sdk    8.0           8ef0a4c8aad3   12 days ago      854MB
rabbitmq                        management    a4e86f36e8fd   3 months ago     251MB
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
		NAMES			
7960d75211e0	notificationserviceimg	"bash"	59 seconds ago	Up 57 seconds	0.0.0.0:92->80/tcp
		notificationservice			
cb468733dae6	rabbitmq:management	"docker-entrypoint.s…"	16 minutes ago	Up 16 minutes	4369/tcp, 5671/tcp, 0.0.0.0:5672->5672/tcp, 15671/tcp, 15691-15692/tcp
		rabbit			
, 25672/tcp, 0.0.0.0:15672->15672/tcp					

3.

```
},
"ConfigOnly": false,
"Containers": {
    "7960d75211e0824c2a9f787ec0f8b8ca611c06f01d520896f30a57f76e567866": {
        "Name": "notificationservice",
        "EndpointID": "2d85e4be10c653555069476136e0b54bbb0bd4f1d188db5d7e18c874e91e6788",
        "MacAddress": "02:42:ac:12:00:03",
        "IPv4Address": "172.18.0.3/16",
        "IPv6Address": ""
    },
    "cb468733dae68c523c85f16d0c68a742e330bd54521c136e46dc1193da0158e7": {
        "Name": "rabbit",
        "EndpointID": "593b87d1d7e6a810177f8af163efc20ffd0e37e1d7988c11b4853b8883c72909",
        "MacAddress": "02:42:ac:12:00:02",
        "IPv4Address": "172.18.0.2/16",
        "IPv6Address": ""
    }
},
"Options": {},
"Labels": {}
```

localhost:91/api/library/rent/6

MojaPG   Enauczanie   Gmail   YouTube

Command Prompt - docker run -it --name notificationservice -p 92:80 notificationserviceimg   —

```
mcr.microsoft.com/dotnet/sdk    8.0          8ef0a4c8aad3  12 days ago    854MB
rabbitmq                        management   a4e86f36e8fd  3 months ago   251MB

C:\Users\chudy>docker run -it --name notificationservice -p 92:80 notificationserviceimg
root@7960d75211e0:/# cd out
bash: cd: out: No such file or directory
root@7960d75211e0:/# cd usr/src
root@7960d75211e0:/usr/src# cd app
root@7960d75211e0:/usr/src/app# cd out
root@7960d75211e0:/usr/src/app/out# dotnet Library.NotificationService2.dll
RabbitMQ Connect Failed: Broker unreachable: guest@rabbit:5672/
RabbitMQ Connect Failed: Broker unreachable: guest@rabbit:5672/
RabbitMQ Connect Failed: Broker unreachable: guest@rabbit:5672/
RabbitMQ Connect Failed: Broker unreachable: guest@rabbit:5672/
RabbitMQ Connect Failed: Broker unreachable: guest@rabbit:5672/
RabbitMQ Connect Failed: Broker unreachable: guest@rabbit:5672/
RabbitMQ Connect Failed: Broker unreachable: guest@rabbit:5672/
RabbitMQ Connect Failed: Broker unreachable: guest@rabbit:5672/
RabbitMQ Connect Failed: Broker unreachable: guest@rabbit:5672/
RabbitMQ Connect Failed: Broker unreachable: guest@rabbit:5672/
RabbitMQ Connect Failed: Broker unreachable: guest@rabbit:5672/
RabbitMQ Connect Failed: Broker unreachable: guest@rabbit:5672/
Hosting environment: Production
Content root path: /usr/src/app/out
Now listening on: http://[::]:80
Application started. Press Ctrl+C to shut down.
The Praktyczny przewodnik. USA with id: 4 was rented
The Praktyczny przewodnik. USA with id: 4 was rented
The Malowany Czlowiek. Ksiega 2 with id: 6 was rented
```

4.

Pretty-print ☐

[{"id":1,"book":{"title":"Miecz Przeznaczenia","author":"Andrzej Sapkowski","isbn":"9788375780642","releaseDate":"2014-01-01T00:00:00"}},{"id":2,"book":{"title":"Malowany Czlowiek. Ksiega 1","author":"Peter V. Brett","isbn":"9788375781111","releaseDate":"2008-11-28T00:00:00"}},{"id":10,"book":{"title":"Mikolajek","author":"Rene Goscinny, Jean-Jacques Sempe","isbn":"9788375780642","releaseDate":"2014-09-13T00:00:00"}},{"id":3,"book":{"title":"Droga Cienia","author":"Brent Weeks","isbn":"9788375780281","releaseDate":"2017-05-31T00:00:00"}},{"id":4,"book":{"title":"Praktyczny przewodnik. USA","author":"Monika Gruszczynska","isbn":"9788555780621","releaseDate":"2018-02-28T00:00:00"}},{"id":5,"book":{"title":"Mikolajek","author":"Rene Goscinny, Jean-Jacques Sempe","isbn":"9788375780642","releaseDate":"2014-09-13T00:00:00"}},{"id":6,"book":{"title":"Malowany Czlowiek. Ksiega 2","author":"Peter V. Brett","isbn":"9788375781221","releaseDate":"2009-01-28T00:00:00"}}]

```
Command Prompt - docker run -it --name notificationservice -p 92:80 notifi...
root@7960d75211e0:/# cd out
bash: cd: out: No such file or directory
root@7960d75211e0:/# cd usr/src
root@7960d75211e0:/usr/src# cd app
root@7960d75211e0:/usr/src/app# cd out
root@7960d75211e0:/usr/src/app/out# dotnet Library.Noti
RabbitMQ Connect Failed: Broker unreachable: guest@rabb
RabbitMQ Connect Failed: Broker unreachable: guest@rabb
RabbitMQ Connect Failed: Broker unreachable: guest@rabb
RabbitMQ Connect Failed: Broker unreachable: guest@rabb
RabbitMQ Connect Failed: Broker unreachable: guest@rabb
RabbitMQ Connect Failed: Broker unreachable: guest@rabb
RabbitMQ Connect Failed: Broker unreachable: guest@rabb
RabbitMQ Connect Failed: Broker unreachable: guest@rabb
RabbitMQ Connect Failed: Broker unreachable: guest@rabb
RabbitMQ Connect Failed: Broker unreachable: guest@rabb
RabbitMQ Connect Failed: Broker unreachable: guest@rabb
Hosting environment: Production
Content root path: /usr/src/app/out
Now listening on: http://[::]:80
Application started. Press Ctrl+C to shut down.
The Praktyczny przewodnik. USA with id: 4 was rented
The Praktyczny przewodnik. USA with id: 4 was rented
The Malowany Czlowiek. Ksiega 2 with id: 6 was rented
The Malowany Czlowiek. Ksiega 2 with id: 6 was rented
The Malowany Czlowiek. Ksiega 2 with id: 6 was rented
The Malowany Czlowiek. Ksiega 1 with id: 2 was rented
The Malowany Czlowiek. Ksiega 1 with id: 2 was rented
```

```
C:\Windows\System32\cmd.exe
=> [4/6] RUN dotnet restore
=> [5/6] RUN dotnet publish -c Release -o out
=> [6/6] WORKDIR /app/out
=> exporting to image
=> => exporting layers
=> => writing image sha256:0ebe97e839d981e9e7558bce7dc01eccdca08816d8a1c0a95e88f22ec25a05db
=> => naming to docker.io/library/librarywebapi

What's Next?
  View a summary of image vulnerabilities and recommendations → docker scout quickview

C:\Users\chudy\source\repos\KSR_13\LibrarySystem_curr_try\LibrarySystem\Library.WebApi>docker run -d --name
pi-container -p 91:80 --network my-network --network-alias webapi library-webapi tail -f /dev/null
Unable to find image 'library-webapi:latest' locally
^C
C:\Users\chudy\source\repos\KSR_13\LibrarySystem_curr_try\LibrarySystem\Library.WebApi>docker run -it -d --
ebapi -p 91:91 --network my-network --network-alias webapi librarywebapi
dcd3712ee5fb62db93928da4c50ef1276235347e53df4e94dbd90326eaf8e328
C:\Users\chudy\source\repos\KSR_13\LibrarySystem_curr_try\LibrarySystem\Library.WebApi>docker ps -a
CONTAINER ID   IMAGE                 COMMAND                  CREATED          STATUS          PO
                                                                                              NAMES
dcd3712ee5fb   librarywebapi         "dotnet Library.WebA…"   About a minute ago  Up About a minute  0.
/tcp                                                                                          librarywebap
7960d75211e0   notificationserviceimg  "bash"                11 minutes ago   Up 11 minutes   0.
/tcp                                                                                          notification
cb468733dae6   rabbitmq:management   "docker-entrypoint.s…"   26 minutes ago   Up 26 minutes   43
/tcp, 0.0.0.0:5672->5672/tcp, 15671/tcp, 15691-15692/tcp, 25672/tcp, 0.0.0.0:15672->15672/tcp  rabbit
C:\Users\chudy\source\repos\KSR_13\LibrarySystem_curr_try\LibrarySystem\Library.WebApi>
```

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Returend list from the library service:

- 1 - Miecz Przeznaczenia, Andrzej Sapkowski
- 2 - Malowany Czlowiek. Ksiega 1, Peter V. Brett
- 10 - Mikolajek, Rene Goscinny, Jean-Jacques Sempe
- 3 - Droga Cienia, Brent Weeks
- 4 - Praktyczny przewodnik. USA, Monika Gruszczynska
- 5 - Mikolajek, Rene Goscinny, Jean-Jacques Sempe
- 6 - Malowany Czlowiek. Ksiega 2, Peter V. Brett