

Посилання на Github репозиторій:

https://github.com/ramskyi/software-architecture-labs/tree/micro_mq

Виводи:

Термінал facade-service.py:

```
/home/botanich/Projects/sa-venv/bin/python /home/botanich/Projects/software-architecture-labs/src/facade-service.py
* Serving Flask app 'facade-service' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:8080 (Press CTRL+C to quit)
127.0.0.1 - - [01/Jun/2022 23:49:24] "GET /facade HTTP/1.1" 200 -
127.0.0.1 - - [01/Jun/2022 23:49:24] "POST /facade HTTP/1.1" 200 -
127.0.0.1 - - [01/Jun/2022 23:49:24] "POST /facade HTTP/1.1" 200 -
127.0.0.1 - - [01/Jun/2022 23:49:24] "POST /facade HTTP/1.1" 200 -
127.0.0.1 - - [01/Jun/2022 23:49:24] "POST /facade HTTP/1.1" 200 -
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127.0.0.1 - - [01/Jun/2022 23:49:24] "POST /facade HTTP/1.1" 200 -
127.0.0.1 - - [01/Jun/2022 23:49:25] "POST /facade HTTP/1.1" 200 -
127.0.0.1 - - [01/Jun/2022 23:49:25] "POST /facade HTTP/1.1" 200 -
127.0.0.1 - - [01/Jun/2022 23:49:25] "POST /facade HTTP/1.1" 200 -
127.0.0.1 - - [01/Jun/2022 23:49:25] "POST /facade HTTP/1.1" 200 -
```

Термінал message-service.py (port 8081):

```
/home/botanich/Projects/sa-venv/bin/python /home/botanich/Projects/software-architecture-labs/src/message-service.py 8081
* Serving Flask app 'message-service' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:8081 (Press CTRL+C to quit)
Message: msg1
Message: msg2
Message: msg3
Message: msg4
Message: msg5
Message: msg6
Message: msg7
Message: msg8
Message: msg9
Message: msg10
Message: msg1
Message: msg2
Message: msg3
Message: msg4
Message: msg5
Message: msg6
Message: msg7
Message: msg8
Message: msg9
Message: msg10
127.0.0.1 - - [01/Jun/2022 23:49:24] "GET /messages HTTP/1.1" 200 -
```

Термінал message-service.py (port 8082):

```
/home/botanich/Projects/sa-venv/bin/python /home/botanich/Projects/software-architecture-labs/src/message-service.py 8082
* Serving Flask app 'message-service' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:8082 (Press CTRL+C to quit)
|
```

Термінал logging-service.py (port 8083):

```
/home/botanich/Projects/sa-venv/bin/python /home/botanich/Projects/software-architecture-labs/src/logging-service.py 8083
* Serving Flask app 'logging-service' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:8083 (Press CTRL+C to quit)
127.0.0.1 - - [01/Jun/2022 23:49:24] "GET /logging HTTP/1.1" 200 -
ID: 0bfa6008-89b5-4ff5-afb5-a9a6922d910e
Message: msg6
127.0.0.1 - - [01/Jun/2022 23:49:24] "POST /logging HTTP/1.1" 200 -
127.0.0.1 - - [01/Jun/2022 23:49:25] "POST /logging HTTP/1.1" 200 -
ID: 9888d431-0ace-4ffb-bab2-4c601f58e2d7
Message: msg7
ID: 3eaf360c-35cf-45a5-9521-4cdfcd16d199
Message: msg10
127.0.0.1 - - [01/Jun/2022 23:49:25] "POST /logging HTTP/1.1" 200 -
```

Термінал logging-service.py (port 8084):

```
/home/botanich/Projects/sa-venv/bin/python /home/botanich/Projects/software-architecture-labs/src/logging-service.py 8084
* Serving Flask app 'logging-service' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:8084 (Press CTRL+C to quit)
ID: 758ad0ee-7946-4646-b09b-66ade0eaa589
Message: msg2
127.0.0.1 - - [01/Jun/2022 23:49:24] "POST /logging HTTP/1.1" 200 -
ID: 2bc7474a-8c57-40ca-b6a1-19a974f198d6
Message: msg4
127.0.0.1 - - [01/Jun/2022 23:49:24] "POST /logging HTTP/1.1" 200 -
ID: 3f0ad1db-c818-4637-8db3-4e9d448e3299
Message: msg8
127.0.0.1 - - [01/Jun/2022 23:49:25] "POST /logging HTTP/1.1" 200 -
|
```

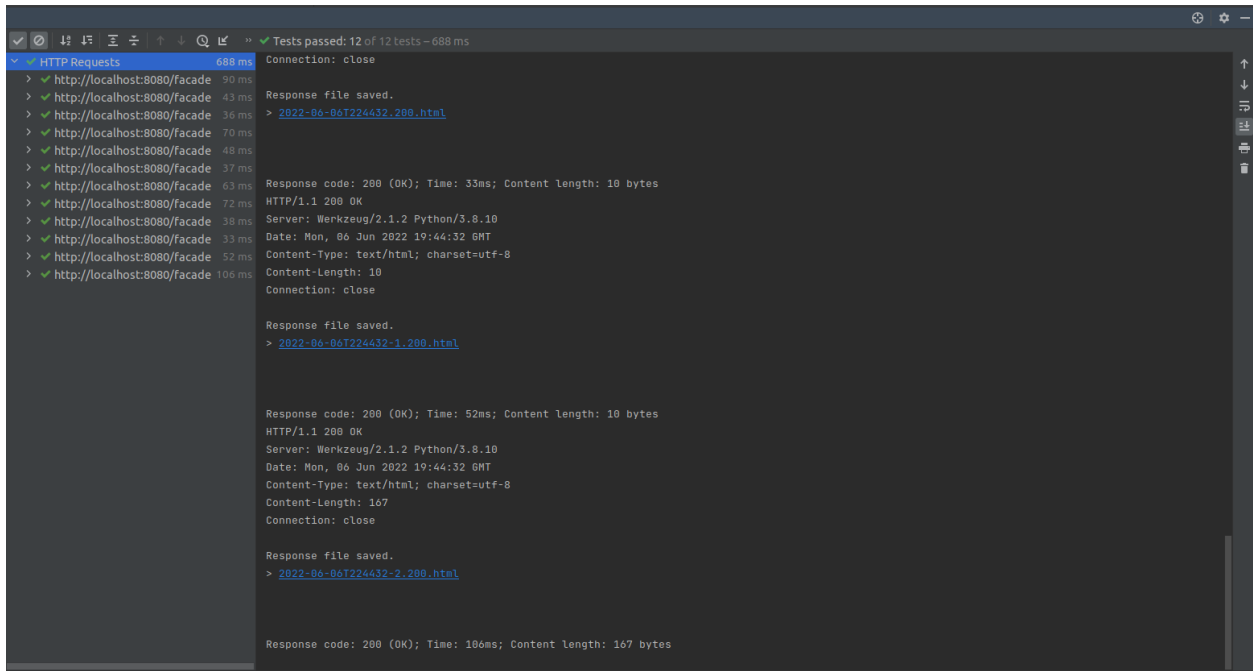
Термінал logging-service.py (port 8085):

```

/home/botanich/Projects/sa-venv/bin/python /home/botanich/Projects/software-architecture-labs/src/logging-service.py 8085
* Serving Flask app 'logging-service' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:8085 (Press CTRL+C to quit)
ID: 36a9d415-70a0-47a9-8197-d38a5181ab31
Message: msg1
127.0.0.1 - - [01/Jun/2022 23:49:24] "POST /logging HTTP/1.1" 200 -
ID: 73efee26-4965-4950-8242-fb558cb84c5b
Message: msg3
127.0.0.1 - - [01/Jun/2022 23:49:24] "POST /logging HTTP/1.1" 200 -
ID: 45435c9e-ef99-4ce5-bf55-07b523794d99
Message: msg5
127.0.0.1 - - [01/Jun/2022 23:49:24] "POST /logging HTTP/1.1" 200 -
ID: 659e1f25-9587-4f0b-87b7-016a476e59a9
Message: msg9
127.0.0.1 - - [01/Jun/2022 23:49:25] "POST /logging HTTP/1.1" 200 -
|

```

Результат частини виконаних запитів:



The screenshot shows a web browser's developer tools interface. The 'Network' tab is active, displaying a list of HTTP requests to 'http://localhost:8080/facade'. The first request is selected, showing its details on the right. The response is a 200 OK status with a content type of 'text/html'. The response file has been saved as '2022-06-06T224432-1.200.html'. The response code is 200 (OK), the time is 33ms, and the content length is 10 bytes. The response body is 'HTTP/1.1 200 OK'. The server is Werkzeug/2.1.2 Python/3.8.10. The date is Mon, 06 Jun 2022 19:44:32 GMT. The content type is text/html; charset=utf-8. The content length is 10. The connection is close.

Повернуте значення від останнього запиту:

2022-06-06T224432-2.200.html ×

1

Messages-service reply: msg1, msg2, msg3, msg4, msg5, msg6, msg7, msg8, msg9, msg10

2

Logging-service reply: msg4, msg8, msg2, msg10, msg9, msg1, msg7, msg3, msg6, msg5

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✓ Tests passed: 12 of 12 tests – 688 ms

✓ HTTP Requests688 ms

HTTP/1.1 200 OK

> ✓ http://localhost:8080/facade90 ms

Server: Werkzeug/2.1.2 Python/3.8.10

> ✓ http://localhost:8080/facade43 ms

Date: Mon, 06 Jun 2022 19:44:32 GMT

> ✓ http://localhost:8080/facade36 ms

Content-Type: text/html; charset=utf-8

> ✓ http://localhost:8080/facade70 ms

Content-Length: 167

> ✓ http://localhost:8080/facade48 ms

Connection: close

> ✓ http://localhost:8080/facade37 ms

> ✓ http://localhost:8080/facade63 ms

Response file saved.

> ✓ http://localhost:8080/facade72 ms

> [2022-06-06T224432-2.200.html](#)

> ✓ http://localhost:8080/facade38 ms

> ✓ http://localhost:8080/facade33 ms

> ✓ http://localhost:8080/facade52 ms

✓ http://localhost:8080/facade106 ms

Response code: 200 (OK); Time: 106ms; Content length: 167 bytes

✓ Response106 ms