KAUNO TECHNOLOGIJOS UNIVERSITETAS INFORMATIKOS FAKULTETAS

P175B120 Paslaugų programavimas debesų kompiuterijoje Labaratorinis darbas

Darbą atliko:

IFK-1 gr. studentas

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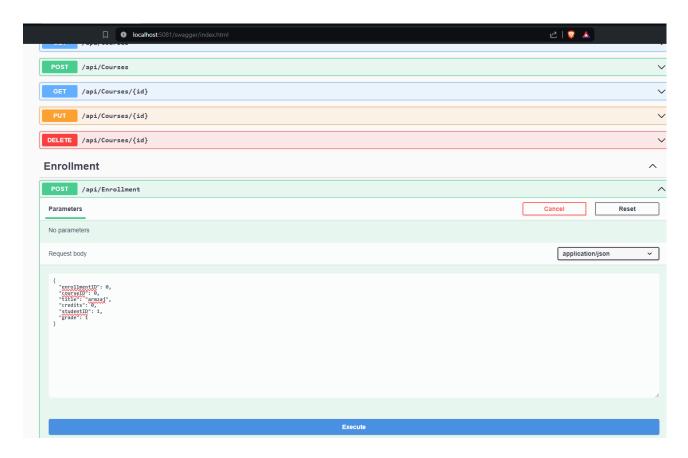
```
Running (5/5)
                                                                   89.94%
                                                                                            0 seconds ago
                                                                                                                           î
                  studentsapi-1
<u>5082:8080</u> ☑
                                              Running
                                                                                            0 seconds ago
                                                                                                                           î
                  3d7a115b2dcc
                  07bae50de4fc | coursesapi
Running
                                                                                            3 seconds ago
                                                                                                                           î
                  <u>sqldata-1</u>
                  3fa691cb3cf2 ( mcr.microsoft. Running
                                                                    0.68% <u>1433:1433</u> 🗷
14 seconds ago
                                                                                                                           î
89.25%
                               <u>rabbitmq:3-ma</u> Running
                                                                                           14 seconds ago
                                                                                                                           î
                  642dfa9e3030
                                                                    0.01% <u>5083:8080</u> [≱
                                              Running
                                                                                            15 seconds ago
                  189bfb13202b
```

1 pav. Paleisti docker konteineriai

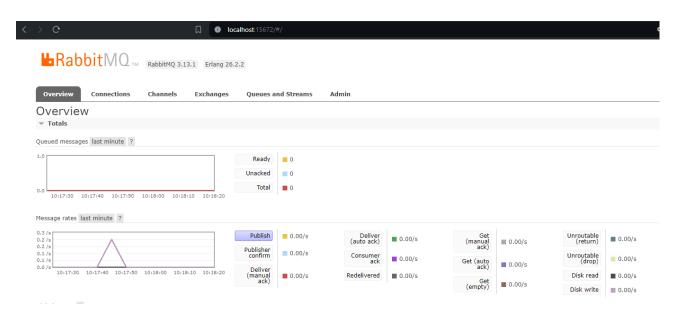
```
version: '3.4'
services:
 rabbitmg:
   image: rabbitmq:3-management
   container_name: 'rabbitmq'
 sqldata:
  image: mcr.microsoft.com/mssql/server:2019-latest
 coursesapi:
   image: ${DOCKER_REGISTRY-}coursesapi
   build:
     dockerfile: CoursesAPI/Dockerfile
   depends_on:
     - sqldata
     - rabbitmq
 studentsapi:
   image: ${DOCKER_REGISTRY-}studentsapi
   build:
     dockerfile: StudentsAPI/Dockerfile
   depends_on:
     - sqldata
     - rabbitmg
 apigateway:
   image: ${DOCKER_REGISTRY-}apigateway
   build:
     context: .
     dockerfile: ApiGateway/Dockerfile
```

2 pav. Docker compose file'as

3 pav. Docker compose override file'as



4 pav. Nauja registracija Course API puslapyje



5 pav. RabbitMQ aplinkoje matomi pokyčiai

```
> C
                                                      localhost:5083/Students/1
 "id": 1,
 "lastName": "Alexander",
 "firstMidName": "Carson",
 "enrollmentDate": "2005-09-01T00:00:00",
▼ "enrollments": [
         "enrollmentID": 1,
         "courseID": 1050,
         "title": "Chemistry",
         "credits": 3,
         "studentID": 1,
         "grade": 0,
         "student": null
         "enrollmentID": 2,
         "courseID": 4022,
         "title": "Microeconomics",
         "credits": 3,
         "studentID": 1,
         "grade": 2,
         "student": null
         "enrollmentID": 3,
         "courseID": 4041,
         "title": "Macroeconomics",
         "credits": 3,
         "studentID": 1,
         "grade": 1,
         "student": null
         "enrollmentID": 14,
         "courseID": 0,
         "title": "armzaj",
         "credits": 0,
         "studentID": 1,
         "grade": 1,
         "student": null
```

6 pav. Per API gatway matomas studentas, kuris turi priskirtą naują registraciją