

#### Kauno technologijos universitetas

Informatikos fakultetas

### P175B120 Paslaugų programavimas debesų kompiuterijoje

### Laboratorinis darbas Nr. 2

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Studentas

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Dėstytojas

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# Lab 2.1 Dalis

Sukūriau web API projektą, kuriame yra Docker palaikymas. Tai leidžia sukurti sql serverį, kuriame bus saugomi duomenys apie studentus. Duomenis užpildomi naudojant SeedData.cs klasę. Ištestuoti veikimą, naudojame swagger. Jis padeda sukurti CRUDO operacijų užklausas ir duoti atsakymą. Viskam atlikti buvo naudotas Visual Studio.

pav. 1 SeedData.cs

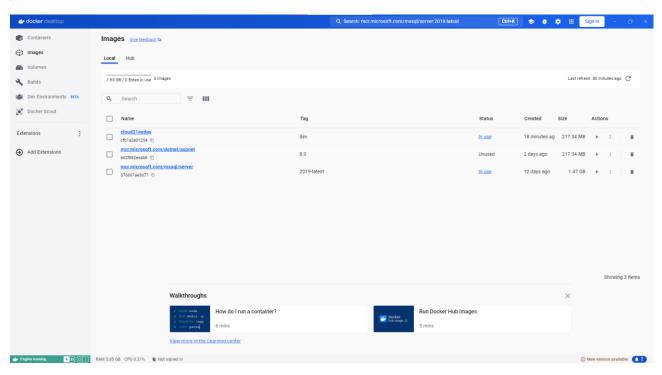
#### pav. 2 Program.cs

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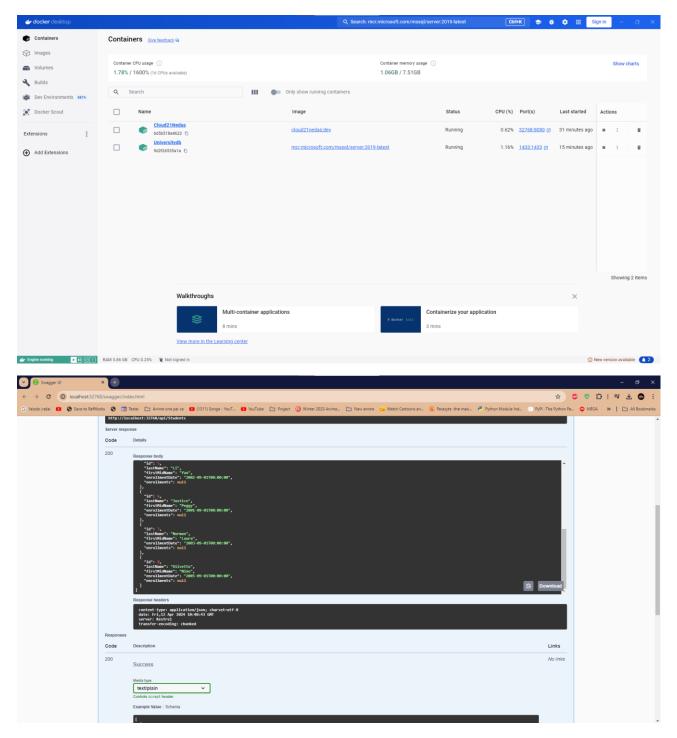
pav. 3 DockerFile

```
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```

pav. 4 Students controller



pav. 5 Docker Desktop



pav. 6 Swagger

# Lab 2.2 Dalis

Šioje laboratorinio darbo dalyje, atlikome tą patį kaip ir pirmoje, tik naudojome docker-compose, kad galėtume sujunti abi atskiras API sistemas.

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#### pav. 7 Program.cs

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```

pav. 8 Student.cs

```
| Process | Program | Process | Program | Process | Proc
```

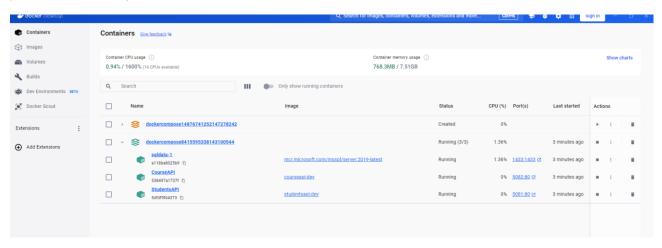
pav. 9 Students Controller

```
| Fig. | Set | Very Cot | Project | End | Date | Date | Controlling | Section | Sectio
```

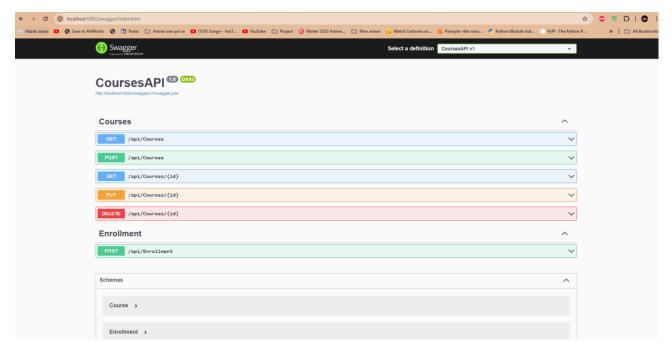
pav. 10 Docker-compose file

```
| Section | Property | Baddy | Design | Section | Design | Design
```

pav. 11 Docker-override file



pav. 12 Docker desktop



pav. 13 Swagger

# Lab 3.3 dalis

Šioje, laboratorinio darbo dalyje, sudarėme API gateway, kuris leidžia mums valdyti ir sąveikauti su savo mikroservisų architektūros programų sąsajomis.

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| Section | Mark | War | Section | Mark | Section | Warder | Section | Secti
```

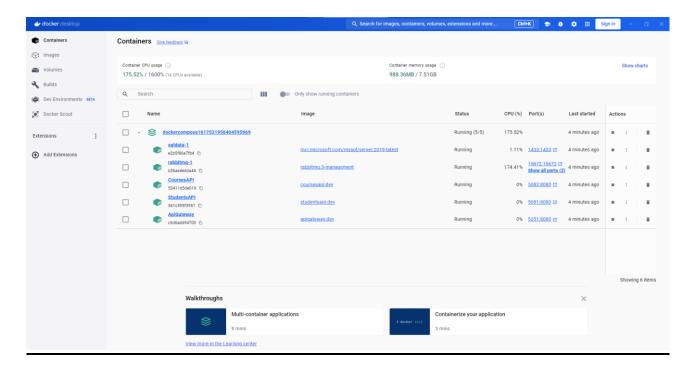
pav. 14 Docker-compose override

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```

pav. 15 Ocelot.json file

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```

pav. 16 Docker-compose file



#### pav. 17 Docker desktop



pav. 18 Api response