

Тестовое задание Currency Convertor

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1 Репозитории

GitHub link https://github.com/ecrvmal/Currency_Converter/tree/master

2 Used Docker commands

Following Docker commands were used:

2.1 docker commands

<code>docker images</code>	list of docker images
<code>docker build --no-cache -t app_name .</code>	build image
<code>docker rmi</code>	del image
<code>docker ps</code>	list of working containers
<code>docker stop container_id</code>	Stop container (not delete)
<code>docker stop \$(docker ps -a -q)</code>	Stop all containers
<code>docker ps -a</code>	see stopped container
<code>docker rm container_id</code>	delete container
<code>docker rm \$(docker ps -a -q)</code>	delete all containers

2.2 docker-compose commands

<code>docker-compose build</code>	make a container package
<code>docker-compose up -d</code>	run a container package -d указывает Docker запускать контейнер в фоновом режиме. иначе открыто терминальное окно
<code>docker exec -it container_id python manage.py createsuperuser docker exec -it 31df256d3e02 python manage.py createsuperuser docker exec -it <mycontainer> bash</code>	run linux command in container

3 Logfiles:

3.1 Logfile Docker-compose build



docker-compose_build.log

3.2 Logfile docker-compose up



docker_compose_up.log

4 Screenshots:

4.1 docker-compose build

```
PS D:\ecrvmal\GB\Courses\pythonProject\Currency_Converter> docker-compose build
[+] Building 2.3s (10/10) FINISHED                                docker:default
=> [app1 internal] load .dockerignore                             0.0s
=> => transferring context: 2B                                     0.0s
=> [app1 internal] load build definition from Dockerfile           0.0s
=> => transferring dockerfile: 221B                                 0.0s
=> [app1 internal] load metadata for docker.io/library/python:3-slim 2.2s
=> [app1 auth] library/python:pull token for registry-1.docker.io 0.0s
=> [app1 1/4] FROM docker.io/library/python:3-slim@sha256:9bd704d713fde6cebdd54779c121da9c3ddd28808797e4f93d58af 0.0s
=> [app1 internal] load build context                             0.0s
=> => transferring context: 38B                                     0.0s
=> CACHED [app1 2/4] WORKDIR /usr/src/app/                        0.0s
=> CACHED [app1 3/4] COPY ../requirements.txt .                    0.0s
=> CACHED [app1 4/4] RUN pip install --no-cache-dir -r requirements.txt 0.0s
=> [app1] exporting to image                                       0.0s
=> => exporting layers                                             0.0s
=> => writing image sha256:2682cada5bccadb8d7a89390720f5c5d6685e0346e6f49fe9101e971f90a1c3 0.0s
=> => naming to docker.io/library/currency_converter-app1        0.0s
[+] Running 1/0B\Courses\pythonProject\Currency_Converter> docker-compose up
```

Figure 1

4.2 docker-compose up

```
[+] Running 1/0B\Courses\pythonProject\Currency_Converter> docker-compose up
@ Container currency_converter-app1-1 Created                                0.0s
Attaching to currency_converter-app1-1
currency_converter-app1-1 | Watching for file changes with StatReloader
currency_converter-app1-1 | Performing system checks...
currency_converter-app1-1 |
currency_converter-app1-1 | System check identified no issues (0 silenced).
currency_converter-app1-1 |
currency_converter-app1-1 | You have 18 unapplied migration(s). Your project may not work properly until you apply the
migrations for app(s): admin, auth, contenttypes, sessions.
currency_converter-app1-1 | Run 'python manage.py migrate' to apply them.
currency_converter-app1-1 |
currency_converter-app1-1 | September 15, 2023 - 06:32:35
currency_converter-app1-1 | Django version 4.2.5, using settings 'config.settings'
currency_converter-app1-1 | Starting development server at http://0.0.0.0:8000/
currency_converter-app1-1 | Quit the server with CONTROL-C.
currency_converter-app1-1 |
currency_converter-app1-1 | [15/Sep/2023 06:32:53] "GET /api/rates?fr=USD&to=RUB&value=1 HTTP/1.1" 200 31
currency_converter-app1-1 | [15/Sep/2023 06:33:13] "GET /api/rates?from=USD&to=RUB&value=1 HTTP/1.1" 200 17
currency_converter-app1-1 | [15/Sep/2023 06:35:01] "GET /api/docs HTTP/1.1" 200 795
currency_converter-app1-1 | [15/Sep/2023 06:35:01] "GET /api/openapi.json HTTP/1.1" 200 975
```

Figure 2

4.3 Browser screenshot 1 (documentation)

<http://127.0.0.1:8000/api/docs>

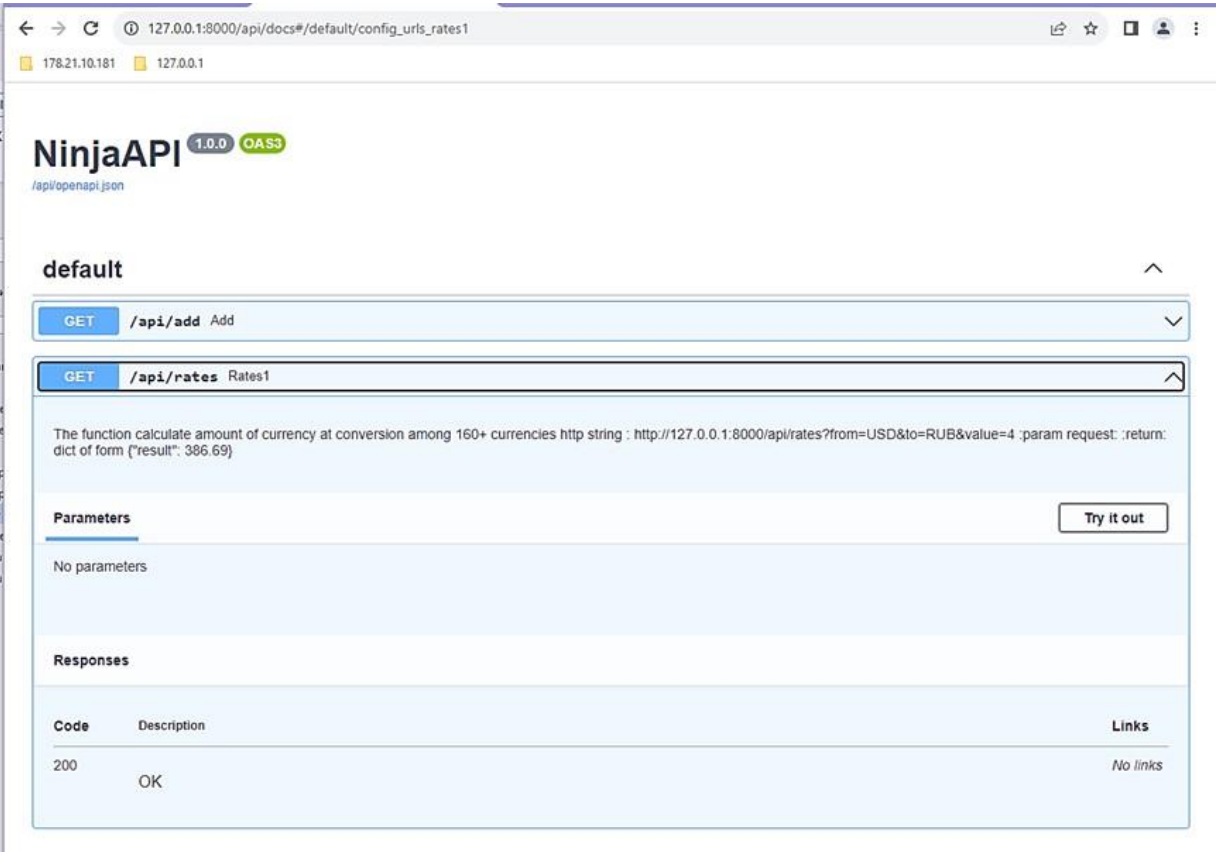


Figure 3

4.4 Browser screenshot 2

<http://127.0.0.1:8000/api/rates?from=USD&to=RUB&value=5>

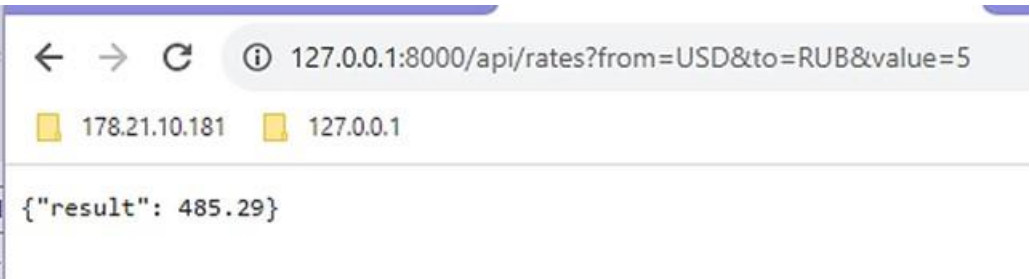


Figure 4