# Министерство образования и науки Российской Федерации федеральное государственное автономное образовательное учреждение высшего образования «НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО»

Факультет среднего профессионального образования

# ОТЧЁТ ПО ПРАКТИЧЕСКОЙ РАБОТЕ № 4

по теме: Докер по дисциплине: Учебная практика

Специальность 09.02.07 Информационные системы и программирование

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 Дата: «» Оценка		

#### DOKERFILE

## FROM python:3

#### **ENV PYTHONUNBUFFERED 1**

```
RUN mkdir /code
WORKDIR /code
COPY req.txt /code/
RUN pip install -r req.txt
COPY ./manage.py ./
COPY ./mysite ./mysite
COPY ./core ./core
```

RUN python ./manage.py migrate

## DOKER-COMPOSE.YML

```
version: '3'
services:
 server:
  build:
   context:.
   dockerfile: ./Dockerfile
  stdin_open: true
  tty: true
  command:
   python manage.py runserver 0.0.0.0:8000
  ports:
   - 8000:8000
 web:
  build:
   context: ./client/
   dockerfile: ./Dockerfile
  command: npm run start
  network_mode: host
  ports:
   - 3000:3000
  depends_on:
   - server
```

#### REQUIREMENT.TXT

#### Django

**Pillow** 

```
Sickseigasironov: -MyProjects docker compose up
Creating network 'myproject default' with the default driver
Building gas
Step 1/9: FROM python:3.6
3.6: Pulling from library/python
obsfc4f90ab0: Pull complete
889e6139276: Pull complete
9714b6c2f878: Pull complete
9714b6c2f878: Pull complete
11080e764313: Pull complete
11080e764313: Pull complete
11080e764313: Pull complete
57616c390c37: Pull complete
57616c390c37: Pull complete
57617272cc: Pull complete
5838231db662: Pull c
            --> Munning in 30cm2a7ema65
moving intermediate container 30cm2a7ema65
--> 4287452dec6f
    --> 4207402dec6f
step 3/9: NAN skdir /usr/src/app
--> Running in b3b46f2f5a02
Romoving intermediate container b3b46f2f5a02
-> 5198659e766
Step 4/9: MORKDIR /usr/src/app
--> Running in 7415039430de
Removing intermediate container 7415039430de
-> 91050f8e136c
 Memoving intermediate container 74150394305e
--> 91050f0e136c
Step 5/9 : MAN #kdir -p /var/log/platform_admin
--> Munning in c9df0e402291
--> be01a71490ef
Step 6/9 : COPY - /usr/src/app/
--> 145f0e30d
Step 7/9 : MAN pip install -r requirements.txt
--> Running in 26c204907804
Collecting Django
Downloading Django-3.0.7-py3-none-any.whl (7.3 MB)
Collecting Pillow
Downloading Pillow-7.1.2-cp30-cp30m-manylinux1 x00 64.whl (2.1 MB)
Collecting sqlparse-0.2.2
Downloading Sqlparse-0.3.1-py2.py3-none-any.whl (40 kB)
Collecting asgiref-3.2.18-py3-none-any.whl (19 kB)
Collecting pytz
Downloading pytz-2020.1-py2.py3-none-any.whl (510 kB)
Installing collected packages: sqlparse, asgiref, pytz, Django, Pillow
Successfully installed Django-3.0.7 Pillow-7.1.2 asgiref-3.2.10 pytz-2020.1 sqlparse-0.3.1
Removing intermediate container 26c204907804
--> ca060c150202
Step 8/9 : MAN python /usr/src/app/auto blog/wanage.py makemigrations
--> ca060c150202
    Step 8/9 : NUN python /usr/src/app/auto blog/manage.py makemigrations

---> Running in 6dc0015e109f

No changes detected

Amonying intermediate container 6dc0015e109f

---> 60u559f8bc04
   System check identified no issues (# silenced).
                                                        June 30, 2028 - 07:30:90
Djamgo version 3.0.7, using settings 'auto blog.settings'
starting development server at http://o.0.0.0:00000/
Quit the server with CONTROL-C.
```

Рисунок 1 – работа команды docker-compose up

Notes Education (v) - S docker ps:
ONTAINEN ID IMAGE COMMAND CREATED STATUS PORTS MAMES
Haddold 474bc2 syproject gas "python3 /usr/src/ap\_" About a minute ago up About a minute 0.0.0.0.0000->8000/rcp Admin
Hakse Education (v) - S |

Рисунок 2 – работа команды docker ps