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высшего образования
«САНКТ-ПЕТЕРБУРГСКИЙ 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

Проверил:
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Дата: «_____» _____ 2020г.
Оценка _____

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DOCKERFILE

Листинг 1 - dockerfile

```
FROM python:3.6
ENV PYTHONUNBUFFERED 1
RUN mkdir /usr/src/app
WORKDIR /usr/src/app
RUN mkdir -p /var/log/platform_admin
COPY . /usr/src/app/
RUN pip install -r requirements.txt
RUN python manage.py makemigrations
RUN python manage.py migrate
```

DOCKER-COMPOSE.YML

Листинг 2 – docker-compose

```
version: '3'

services:

  gas:
    restart: always
    build:
      context: ./
      dockerfile: DockerFile
    container_name: Admin
    command: python3 manage.py runserver 0.0.0.0:6000
    volumes:
      - ../usr/src/app
    environment:
      IN_DOCKER: 1
    ports:
      - "6000:6000"
```

REQUIREMENT.TXT

Листинг 3 - requirement

```
Pillow
django==3.0.7
```

```

OneDrive - ITMO UNIVERSITY/DjangoProjects/Dmitrieva on v19.03.8
→ docker-compose up
Recreating dmitrieva_db_1 ... done
Recreating dmitrieva_web_1 ... done
Attaching to dmitrieva_db_1, dmitrieva_web_1
db_1 | PostgreSQL Database directory appears to contain a database; Skipping initialization
db_1 |
db_1 |
db_1 | 2020-06-29 17:34:49.714 UTC [1] LOG: starting PostgreSQL 12.3 (Debian 12.3-1.pgdg100+1) on x86_64-pc-linux-gnu,
compiled by gcc (Debian 8.3.0-6) 8.3.0, 64-bit
db_1 | 2020-06-29 17:34:49.714 UTC [1] LOG: listening on IPv4 address "0.0.0.0", port 5432
db_1 | 2020-06-29 17:34:49.714 UTC [1] LOG: listening on IPv6 address ":::", port 5432
db_1 | 2020-06-29 17:34:49.725 UTC [1] LOG: listening on Unix socket "/var/run/postgresql/.s.PGSQL.5432"
db_1 | 2020-06-29 17:34:49.781 UTC [25] LOG: database system was shut down at 2020-06-29 17:34:42 UTC
db_1 | 2020-06-29 17:34:49.788 UTC [1] LOG: database system is ready to accept connections
web_1 | Watching for file changes with StatReloader
web_1 | Performing system checks...
web_1 |
web_1 | System check identified no issues (0 silenced).
web_1 | June 29, 2020 - 17:34:52
web_1 | Django version 3.0.7, using settings 'store.settings'
web_1 | Starting development server at http://127.0.0.1:8000/
web_1 | Quit the server with CONTROL-C.

```

Рисунок 1 – работа команды *docker-compose up*

```

OneDrive - ITMO UNIVERSITY/DjangoProjects/Dmitrieva on v19.03.8
→ docker ps

```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
6c51c479acd7	dmitrieva_web	"python manage.py ru..."	38 seconds ago	Up 36 seconds	0.0.0.0:8000->8000/tcp
2de523a8f683	postgres	"docker-entrypoint.s..."	38 seconds ago	Up 37 seconds	5432/tcp

Рисунок 2 – работа команды *docker ps*