

Задание: провести инсталляцию программного обеспечения.

На основе материалов, опубликованных в примечаниях к заданию, установить необходимое ПО. В отчете поэтапно продемонстрировать процесс установки (в виде набора скриншотов) с ключевыми моментами установки.

Выполнение:

1. Сначала создаём файл Dockerfile и вставляем содержимое из официального репозитория образа программы Grav и проверяем содержимое получившегося файла:

```
→ Задания git:(main) x cd Задание\ 1.1
→ Задание 1.1 git:(main) x ls
→ Задание 1.1 git:(main) x touch Dockerfile
→ Задание 1.1 git:(main) x ls
Dockerfile
→ Задание 1.1 git:(main) x nvim Dockerfile
→ Задание 1.1 git:(main) x cat Dockerfile
FROM php:7.4-apache
LABEL maintainer="Andy Miller <rhuk@getgrav.org> (@rhukster)"

# Enable Apache Rewrite + Expires Module
RUN a2enmod rewrite expires && \
    sed -i 's/ServerTokens OS/ServerTokens ProductOnly/g' \
        /etc/apache2/conf-available/security.conf

# Install dependencies
RUN apt-get update && apt-get install -y --no-install-recommends \
    unzip \
    libfreetype6-dev \
    libjpeg62-turbo-dev \
    libpng-dev \
    libyaml-dev \
    libzip4 \
    libzip-dev \
    zlib1g-dev \
    libicu-dev \
    g++ \
    git \
    cron \
    vim \
    && docker-php-ext-install opcache \
    && docker-php-ext-configure intl \
    && docker-php-ext-install intl \
    && docker-php-ext-configure gd --with-freetype --with-jpeg \
    && docker-php-ext-install -j$(nproc) gd \
    && docker-php-ext-install zip \
    && rm -rf /var/lib/apt/lists/*

# set recommended PHP.ini settings
```

2. Создаём файл docker-compose.yml, заполняем его так же из официального репозитория образа и проверяем содержимое:

```
+> Задание 1.1 git:(main) * touch docker-compose.yml
+> Задание 1.1 git:(main) * nvim docker-compose.yml
+> Задание 1.1 git:(main) * ls
Dockerfile
docker-compose.yml
+> Задание 1.1 git:(main) * cat docker-compose.yml
volumes:
  grav-data:
    driver: local
    driver_opts:
      type: none
      device: $PWD/grav
      o: bind

services:
  grav:
    build: ./
    ports:
      - 8080:80
    volumes:
      - grav-data:/var/www/html
```

Вставка содержимого докер файла.png

3. Скачиваем архив сайта Gruv и разархивируем его в директорию, где у нас находятся Dockerfile и docker-compose.yml:

```
+> Задание 1.1 git:(main) * ls
Dockerfile
docker-compose.yml
grav
+> Задание 1.1 git:(main) * cd grav
+> grav git:(main) * ls
CHANGELOG.md LICENSE.txt assets cache composer.lock logs system user
CODE_OF_CONDUCT.md README.md backup codeception.yml images now.json tests tmp vendor
CONTRIBUTING.md SECURITY.md bin composer.json index.php robots.txt webserver-configs
```

Задание 1.1.md
Вставка содержимого докер файла.png
Создаём файл докер компоуза.png

4. Билдим проект с помощью команды из репозитория образа:

```
+> Задание 1.1 git:(main) * docker build -t grav:latest .
[+] Building 67.1s (13/13) FINISHED
=> [internal] load build definition from Dockerfile
=> <=> transferring Dockerfile: 2.48kB
=> [internal] load metadata for docker.io/library/php:7.4-apache
=> [internal] load .dockerignore
=> <=> transferring context: 2B
=> [1/9] FROM docker.io/library/php:7.4-apache:sha256:c9d7e608f73832673479770d66aacc8100011ec751d1905ff63fae3fe2e8ca6d
=> resolve docker.io/library/php:7.4-apache:sha256:c9d7e608f73832673479770d66aacc8100011ec751d1905ff63fae3fe2e8ca6d
=> sha256:c9d7e608f73832673479770d66aacc8100011ec751d1905ff63fae3fe2e8ca6d 1.86kB / 1.86kB
=> sha256:c9d7e608f73832673479770d66aacc8100011ec751d1905ff63fae3fe2e8ca6d 3.04kB / 3.04kB
=> sha256:fed1b07a23775176ca857c2a51839443b978af2b711a771f4e8457dca9d6 12.52kB / 12.52kB
=> sha256:826c9643erc7a2fa413b41d81551f587ce92a532d2d6582decaf313e79a005 226B / 226B
=> sha256:f3ac85625e767ee0ec42b5a2ef93880251cd973b86f77124c4ed39bced2f8bf9 30.06MB / 30.06MB
=> sha256:52c4af7a39c39eedcaf52194d52f333a71017ffe436a4e3725ebbb10f91baccf 86.93MB / 86.93MB
=> sha256:946bbe7211684bcd10ae8486cd441fc15f18504b0795e1bbc3b0687b492b215e 269B / 269B
=> extracting sha256:f3ac85625e767ee0ec42b5a2ef93880251cd973b86f77124c4ed39bced2f8bf9
=> sha256:48bb37a166bb998d4d6855dd70df915916376a7c2a7eb0e46a4453bbd43e8d6 19.17MB / 19.17MB
=> sha256:c5ba13601c856716cb7971ee60f01f0138236c05cadff15fd387bd5308610f98 475B / 475B
=> sha256:e63b292a06a12240a013c7c7fc0ccc4117d2e75937b72ec7aa64b77333157619 510B / 510B
=> sha256:ac2e4aa724ec9f16deec3d76b47c10c6416bdc26682dcb436831f789ef66ab5 10.76MB / 10.76MB
=> sha256:60f3998c5ba61dc318a94cdd5ed313a1d9f325e5be9ef1e36a83db40ab1c 493B / 493B
=> sha256:988fd8f2e2a7cea48d53220bcd81139bcd83cd7390a6e21f0490748a0762 10.00MB / 10.00MB
=> extracting sha256:826c9643erc7a2fa413b41d81551f587ce92a532d2d6582decaf313e79a005
=> sha256:dc1c7b16275e8d87f9de7355eda30f5d6a84feal5e01fdac460fa3d0f7a45a 2.46kB / 2.46kB
=> sha256:a02e10760fe083b37a7b36c4e1fd03981f0299842b01cacc65931fd46203d 244B / 244B
=> sha256:3a6573a67c70b08fcd56c0db5dc8e6819a821127f6c4da8a9441e0c222c3 891B / 891B
=> extracting sha256:52c4af7a39c39eedcaf52194d52f333a71017ffe436a4e3725ebbb10f91baccf
=> sha256:946bbe7211684bcd10ae8486cd441fc15f18504b0795e1bbc3b0687b492b215e 2.00B / 2.00B
=> extracting sha256:48bb37a166bb998d4d6855dd70df915916376a7c2a7eb0e46a4453bbd43e8d6 0.30B / 0.30B
=> extracting sha256:c5ba13601c856716cb7971ee60f01f0138236c05cadff15fd387bd5308610f98 0.00B / 0.00B
=> extracting sha256:e63b292a06a12240a013c7c7fc0ccc4117d2e75937b72ec7aa64b77333157619 0.00B / 0.00B
=> extracting sha256:ac2e4aa724ec9f16deec3d76b47c10c6416bdc26682dcb436831f789ef66ab5 0.00B / 0.00B
```

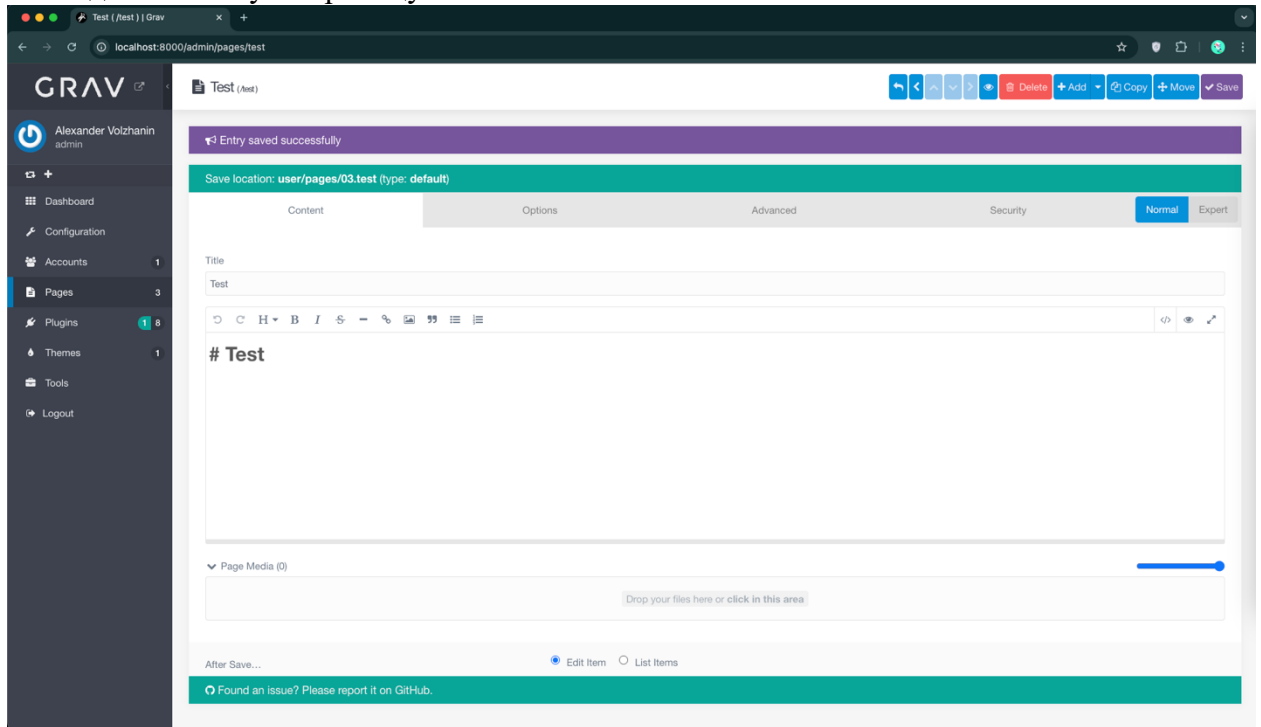
5. Запускаем сайт:

```
+ Задание 1.1 git:(main) * docker run -p 8000:80 grav:latest
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.17.0.2. Set the 'ServerName' directive globally to suppress this message
AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 172.17.0.2. Set the 'ServerName' directive globally to suppress this message
[Sun Feb 09 15:09:52.124723 2025] [mpm_prefork:notice] [pid 9] AH00163: Apache/2.4.54 (Debian) configured -- resuming normal operations
[Sun Feb 09 15:09:52.124766 2025] [core:notice] [pid 9] AH00094: Command line: 'apache2 -D FOREGROUND'
172.17.0.1 - - [09/Feb/2025:15:10:08 +0000] "GET / HTTP/1.1" 302 467 "-" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36"
172.17.0.1 - - [09/Feb/2025:15:10:08 +0000] "GET /admin HTTP/1.1" 200 20293 "-" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36"
172.17.0.1 - - [09/Feb/2025:15:10:08 +0000] "GET /user/plugins/admin/themes/grav/css-compiled/simple-fonts.css?eed43f186d HTTP/1.1" 200 640 "http://localhost:8000/admin" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36"
172.17.0.1 - - [09/Feb/2025:15:10:08 +0000] "GET /user/plugins/admin/themes/grav/css/chartist.min.css?eed43f186d HTTP/1.1" 200 1823 "http://localhost:8000/admin" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36"
172.17.0.1 - - [09/Feb/2025:15:10:08 +0000] "GET /user/plugins/markdown-notices/assets/notifications.css?eed43f186d HTTP/1.1" 200 534 "http://localhost:8000/admin" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36"
172.17.0.1 - - [09/Feb/2025:15:10:08 +0000] "GET /user/plugins/admin/themes/grav/css/fork-awesome.min.css?eed43f186d HTTP/1.1" 200 8652 "http://localhost:8000/admin" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36"
172.17.0.1 - - [09/Feb/2025:15:10:08 +0000] "GET /user/plugins/admin/themes/grav/css/iconpicker.css?eed43f186d HTTP/1.1" 200 1502 "http://localhost:8000/admin" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36"
172.17.0.1 - - [09/Feb/2025:15:10:08 +0000] "GET /user/plugins/admin/themes/grav/css/hint-base.min.css?eed43f186d HTTP/1.1" 200 1241 "http://localhost:8000/admin" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36"
172.17.0.1 - - [09/Feb/2025:15:10:08 +0000] "GET /user/plugins/admin/themes/grav/css/selectize.min.css?eed43f186d HTTP/1.1" 200 1834 "http://localhost:8000/admin" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36"
172.17.0.1 - - [09/Feb/2025:15:10:08 +0000] "GET /assets/admin-preset.css?eed43f186d HTTP/1.1" 200 7998 "http://localhost:8000/admin" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36"
172.17.0.1 - - [09/Feb/2025:15:10:08 +0000] "GET /user/plugins/admin/themes/grav/css-compiled/template.css?eed43f186d HTTP/1.1" 200 110993 "http://localhost:8000/admin" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36"
172.17.0.1 - - [09/Feb/2025:15:10:09 +0000] "GET /system/assets/jquery/jquery-3.x.min.js?eed43f186d HTTP/1.1" 200 30699 "http://localhost:8000/admin" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36"
172.17.0.1 - - [09/Feb/2025:15:10:09 +0000] "GET /user/plugins/admin/themes/grav/css-compiled/nucleus.css?eed43f186d HTTP/1.1" 200 2851 "http://localhost:8000/admin" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36"
172.17.0.1 - - [09/Feb/2025:15:10:09 +0000] "GET /user/plugins/admin/themes/grav/fonts/forkawesome-webfont.woff2?v=1.5 HTTP/1.1" 200 90693 "http://localhost:8000/user/plugins/admin/themes/grav/css/fork-awesome.min.css?eed43f186d" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36"
172.17.0.1 - - [09/Feb/2025:15:10:09 +0000] "GET /user/plugins/admin/themes/grav/images/favicon.png HTTP/1.1" 200 13474 "http://localhost:8000/admin" "Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/132.0.0.0 Safari/537.36"
127.0.0.1 - - [09/Feb/2025:15:10:15 +0000] "OPTIONS * HTTP/1.0" 200 110 "-" "Apache/2.4.54 (Debian) (internal dummy connection)"
127.0.0.1 - - [09/Feb/2025:15:10:16 +0000] "OPTIONS * HTTP/1.0" 200 110 "-" "Apache/2.4.54 (Debian) (internal dummy connection)"
```

6. Создаём аккаунт:

The screenshot shows a web browser window with the address bar displaying 'localhost:8000/admin'. The page features the 'GRAV' logo at the top. Below the logo, a message states: 'The Admin plugin has been installed, but no admin accounts could be found. Please create an admin account to ensure your Grav install is secure...'. The form contains the following fields: 'Username' (filled with 'alexander'), 'Email' (filled with 'alexandervolzhanin2004@gmail.com'), 'Password' (masked with dots), 'Confirm Password' (masked with dots), 'Full name' (filled with 'Alexander Volzhanin'), and 'Title' (filled with 'admin'). At the bottom of the form, there are two buttons: 'Clear Form' and 'Create User'.

7. Создаём тестовую страницу:



8. Проверяем нашу страницу:

