

Операционные системы

Отчёт по 1 этапу проекта

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Цели и задачи

Выполнение лабораторной работы

Выводы

1. Цели и задачи



Цель лабораторной работы

Подготовить репозиторий на основе шаблона.

Ознакомиться с генератором сайтов hugo.

2. Выполнение лабораторной работы



Создание репозитория из шаблона

Create a new repository

Repositories contain a project's files and version history. Have a project elsewhere? [Import a repository.](#)
Required fields are marked with an asterisk (*).

Start with a template

Templates pre-configure your repository with files.

Include all branches Off

If enabled, all branches from the template repository will be included.

1 General

Owner *

Repository name *
blog is available.

Great repository names are short and memorable. How about [literate-waffle](#)?

Description
0 / 350 characters

2 Configuration

Рисунок 1: Создание репозитория из шаблона

Создание локальных репозиториев

```
nessermohammed@nessermohammed:~$ gh repo create NasserMohamad262.github.io --public
✓ Created repository NasserMohamad262/NasserMohamad262.github.io on github.com
https://github.com/NasserMohamad262/NasserMohamad262.github.io

nessermohammed@nessermohammed:~$ mkdir site
nessermohammed@nessermohammed:~$ cd site
nessermohammed@nessermohammed:~/site$ git clone --recursive git@github.com:NasserMohamad262/NasserMohamad262.github.io.git NasserMohamad262.github.io
Cloning into 'NasserMohamad262.github.io'...
warning: You appear to have cloned an empty repository.

nessermohammed@nessermohammed:~/site$ git clone --recursive git@github.com:NasserMohamad262/blog.git blog
Cloning into 'blog'...
remote: Enumerating objects: 133, done.
remote: Counting objects: 100% (133/133), done.
remote: Compressing objects: 100% (110/110), done.
remote: Total 133 (delta 3), reused 108 (delta 2), pack-reused 0 (from 0)
Receiving objects: 100% (133/133), 3.28 MiB | 426.00 KiB/s, done.
Resolving deltas: 100% (3/3), done.
```

Рисунок 2: Создание локальных репозиториев

Инициализация hugo

```
nessermohammed@nessermohammed:~/site$  
nessermohammed@nessermohammed:~/site$ cd blog  
nessermohammed@nessermohammed:~/site/blog$ npm install tailwindcss @tailwindcss/cli  
  
added 34 packages, and audited 35 packages in 4s  
  
7 packages are looking for funding  
  run 'npm fund' for details  
  
found 0 vulnerabilities  
nessermohammed@nessermohammed:~/site/blog$ hugo  
hugo: downloading modules ...
```

Рисунок 3: Инициализация hugo

Подготовка репозитория

```
nessermohammed@nessermohammed:~/site/blog$ cd ..
nessermohammed@nessermohammed:~/site$ cd NasserMohamad262.github.io
nessermohammed@nessermohammed:~/site/NasserMohamad262.github.io$ git checkout -b main
Switched to a new branch 'main'
nessermohammed@nessermohammed:~/site/NasserMohamad262.github.io$ touch README.md
nessermohammed@nessermohammed:~/site/NasserMohamad262.github.io$ git add .
nessermohammed@nessermohammed:~/site/NasserMohamad262.github.io$ git commit -m 'upload'
[main (root-commit) 05f6972] upload
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 README.md
nessermohammed@nessermohammed:~/site/NasserMohamad262.github.io$ git push
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 864 bytes | 864.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To github.com:NasserMohamad262/NasserMohamad262.github.io.git
 * [new branch]      main -> main
nessermohammed@nessermohammed:~/site/NasserMohamad262.github.io$
```

Рисунок 4: Подготовка репозитория

Подготовка папки public

```
nessermohammed@nessermohammed:~/site/NasserMohamad262.github.io$ cd ..
nessermohammed@nessermohammed:~/site$ cd blog
nessermohammed@nessermohammed:~/site/blog$ rm -rf .gitignore
nessermohammed@nessermohammed:~/site/blog$ git submodule add -b main git@github.com:NasserMohama
d262/NasserMohamad262.github.io.git public
Cloning into '/home/nessermohammed/site/blog/public'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
nessermohammed@nessermohammed:~/site/blog$ hugo
Start building sites ...
hugo v0.152.2+extended linux/amd64 BuildDate=2025-12-14T00:00:00+00:00 VendorInfo=Fedora:0.152.2
-1.fc43
```

Рисунок 5: Подготовка папки public

Развертывание сайта

```
p
  create mode 100644 resources/_gen/images/publications/preprint/featured_hu_c3a51e02eae28075.web
p
  create mode 100644 resources/_gen/images/publications/preprint/featured_hu_cc54dfe38f3af5a5.jpg
  create mode 100644 resources/_gen/images/publications/preprint/featured_hu_e33c5291b16e805.jpg
Enumerating objects: 898, done.
Counting objects: 100% (898/898), done.
Delta compression using up to 8 threads
Compressing objects: 100% (873/873), done.
Writing objects: 100% (895/895), 65.51 MiB | 6.83 MiB/s, done.
Total 895 (delta 80), reused 1 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (80/80), completed with 2 local objects.
remote: warning: See https://gh.io/lfs for more information.
remote: warning: File node_modules/@pagefind/linux-x64/bin/pagefind_extended is 65.64 MB; this i
s larger than GitHub's recommended maximum file size of 50.00 MB
remote: warning: GH001: Large files detected. You may want to try Git Large File Storage - https
://git-lfs.github.com.
To github.com:NasserMohamad262/blog.git
  50165f6..00dc293 main -> main
nasser.mohammed@nasser.mohammed:~/site/blog$
```

Рисунок 6: Развертывание сайта

3. Выводы

Результаты выполнения лабораторной работы

Подготовили репозиторий и установили hugo.