

Информация

Докладчик

- Гаглов Олег Мелорович
- студент
- Российский университет дружбы народов
- 1032201347@pfur.ru
- <https://github.com/SimpleOG/MatMod>

Вводная часть

Актуальность

- Получение навыков работы с репозиторием
- Развитие стрессоустойчивости во время выполнения

Объект и предмет исследования

- GitHub для хранения и использования проектов

Цели и задачи

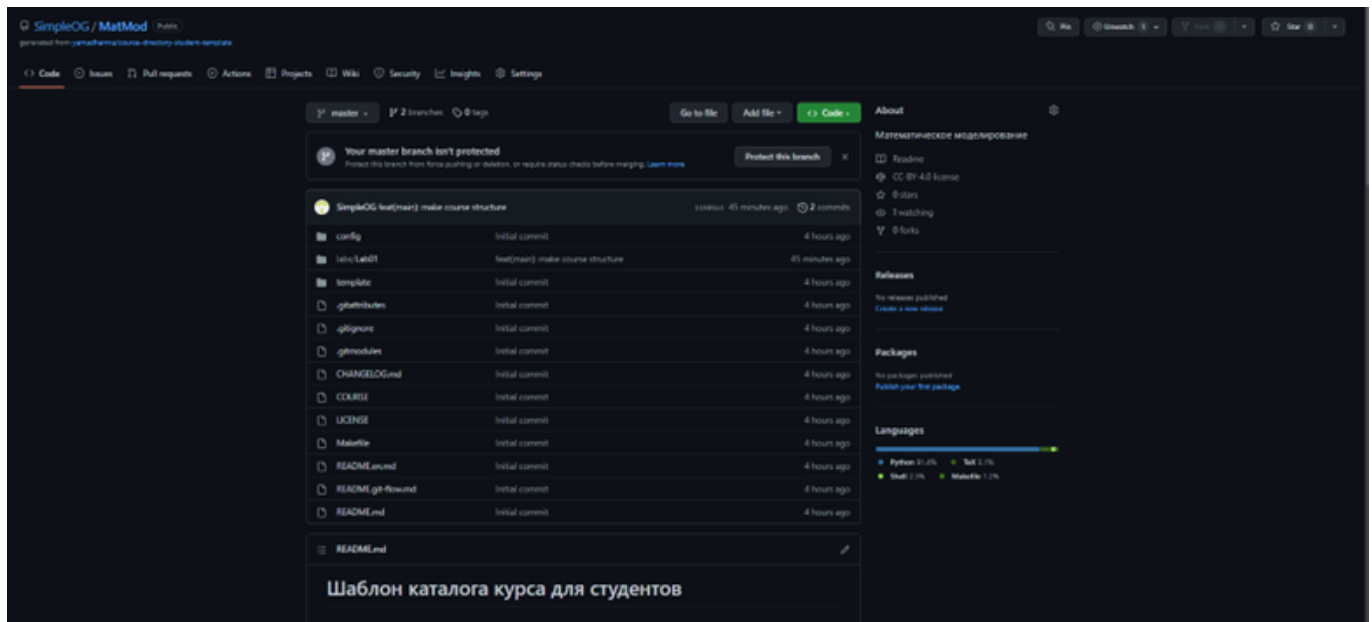
- Создать и настроить репозиторий по шаблону

Материалы и методы

- GitHub
- Результирующие форматы
 - pdf
 - html
- Автоматизация процесса создания: `Makefile`

Выполнение работы

- Копируем репозиторий с GitHub



- Устанавливаем необходимые компоненты

```
(C) Корпорация Майкрософт (Microsoft Corporation). Все права защищены.

Установите последнюю версию PowerShell для новых функций и улучшения! https://aka.ms/PSWindows

PS C:\WINDOWS\system32> choco install make
Chocolatey v1.1.0
Installing the following packages:
make
By installing, you accept licenses for the packages.

make v4.3 [Approved]
make package files install completed. Performing other installation steps.
ShimGen has successfully created a shim for make.exe
The install of make was successful.
Software installed to 'C:\ProgramData\chocolatey\lib\make'

Chocolatey installed 1/1 packages.
See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).

Enjoy using Chocolatey? Explore more amazing features to take your
experience to the next level at
https://chocolatey.org/compare
PS C:\WINDOWS\system32> choco install pandoc
Chocolatey v1.1.0
```

```
PS C:\WINDOWS\system32> choco install pandoc
Chocolatey v1.1.0
Installing the following packages:
pandoc
By installing, you accept licenses for the packages.
Progress: Downloading pandoc 3.1... 100%

pandoc v3.1 [Approved]
pandoc package files install completed. Performing other installation steps.
The package pandoc wants to run 'chocolateyInstall.ps1'.
Note: If you don't run this script, the installation will fail.
Note: To confirm automatically next time, use '-y' or consider:
choco feature enable -n allowGlobalConfirmation
Do you want to run the script?([Y]es/[A]ll - yes to all/[N]o/[P]rint): y

Installing 64-bit pandoc...
pandoc has been installed.
pandoc installed to 'C:\Users\Oleg\AppData\Local\Pandoc'
Added C:\ProgramData\chocolatey\bin\pandoc.exe shim pointed to 'c:\users\oleg\appdata\local\pandoc\pandoc.exe'.
Added C:\ProgramData\chocolatey\bin\pandoc-citeproc.exe shim pointed to 'c:\users\oleg\appdata\local\pandoc\pandoc-citeproc.exe'.
pandoc may be able to be automatically uninstalled.
Environment Vars (like PATH) have changed. Close/reopen your shell to
see the changes (or in powershell/cmd.exe just type 'refreshenv').
```

```

make. *** No targets specified and no makefile found.  Stop.
PS C:\WINDOWS\system32> choco install git
Chocolatey v1.1.0
Installing the following packages:
git
By installing, you accept licenses for the packages.
git v2.38.1 already installed.
Use --force to reinstall, specify a version to install, or try upgrade.

Chocolatey installed 0/1 packages.
See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).

Warnings:
- git - git v2.38.1 already installed.
Use --force to reinstall, specify a version to install, or try upgrade.
PS C:\WINDOWS\system32>

```

- Получаем ssh ключ

```

PS C:\WINDOWS\system32> ssh-keygen -t ed25519 -C "gagloevolegka@gmail.com"
Generating public/private ed25519 key pair.
Enter file in which to save the key (C:\Users\Oleg/.ssh/id_ed25519):
Created directory 'C:\Users\Oleg/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in C:\Users\Oleg/.ssh/id_ed25519.
Your public key has been saved in C:\Users\Oleg/.ssh/id_ed25519.pub.
The key fingerprint is:
SHA256:fgRjWH9EGIXRdE0MP6Au1sM/LxQcK3ZKG7iaxVHJKvc gagloevolegka@gmail.com
The key's randomart image is:
+--[ED25519 256]--+
|      .B+.+=.      |
|      . ==.00      |
|      +0..00      |
|      . =+=.=      |
|      +S***..      |
|      =+=E+.      |
|      .+= 0.+      |
|      0. 0 ..0      |
|      ..          |
+-----[SHA256]-----+

```

- Применяем ssh ключ


Go to your personal profile

SSH keys

New SSH key

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

Authentication Keys



SSH key
SHA256:p9TNV7Tv+HBI6bGwmeVEaUs1I6Hu8gq+CVAh180QtEg
Added on Feb 11, 2023
Never used — Read/write

Delete

Check out our guide to [generating SSH keys](#) or [troubleshoot common SSH problems](#).

GPG keys

New GPG key

There are no GPG keys associated with your account.

Learn how to [generate a GPG key](#) and [add it to your account](#).

Vigilant mode

☒ **Flag unsigned commits as unverified**
This will include any commit attributed to your account but not signed with your GPG or S/MIME key.
Note that this will include your existing unsigned commits.

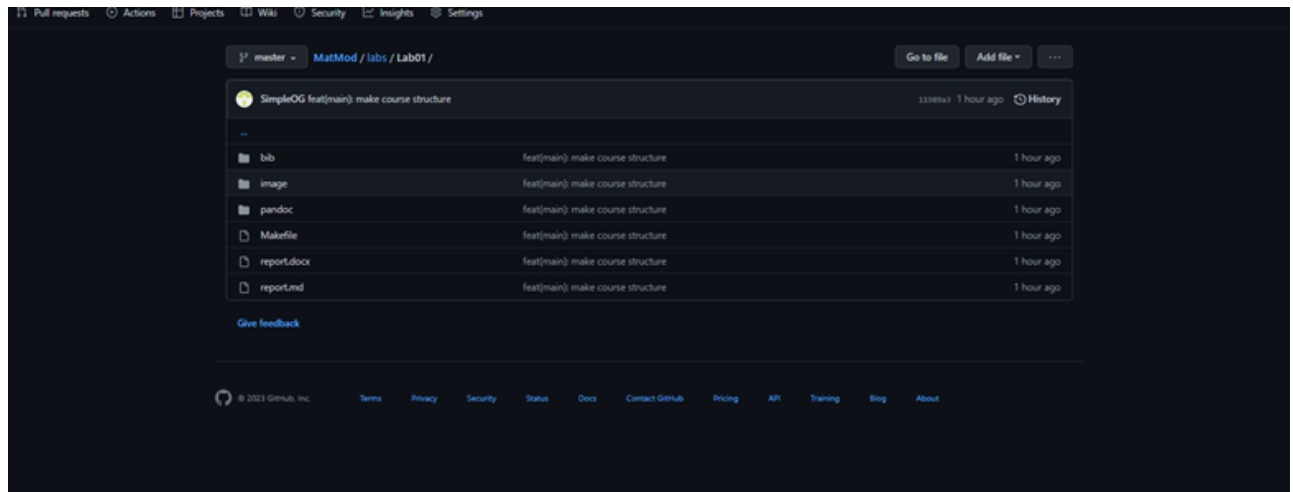
- Копируем репозиторий в локальную папку

```

PS C:\WINDOWS\system32> cd C:\work\MatMod
PS C:\work\MatMod> git clone --recursive git@github.com:SimpleOG/MatMod.git
Cloning into 'MatMod'...
remote: Enumerating objects: 28, done.
remote: Counting objects: 100% (28/28), done.
remote: Compressing objects: 100% (27/27), done.
remote: Total 28 (delta 1), reused 11 (delta 0), pack-reused 0
Receiving objects: 100% (28/28), 17.45 KiB | 17.45 MiB/s, done.
Resolving deltas: 100% (1/1), done.
Submodule 'template/presentation' (https://github.com/yamadharma/academic-presentation-markdown-template.git) registered
for path 'template/presentation'
Submodule 'template/report' (https://github.com/yamadharma/academic-laboratory-report-template.git) registered for path
'template/report'
Cloning into 'C:/work/MatMod/MatMod/template/presentation'...
remote: Enumerating objects: 82, done.
remote: Counting objects: 100% (82/82), done.
remote: Compressing objects: 100% (57/57), done.
remote: Total 82 (delta 28), reused 77 (delta 23), pack-reused 0
Receiving objects: 100% (82/82), 92.90 KiB | 970.00 KiB/s, done.
Resolving deltas: 100% (28/28), done.
Cloning into 'C:/work/MatMod/MatMod/template/report'...
remote: Enumerating objects: 101, done.
remote: Counting objects: 100% (101/101), done.
remote: Compressing objects: 100% (70/70), done.
remote: Total 101 (delta 40), reused 88 (delta 27), pack-reused 0
Receiving objects: 100% (101/101), 327.25 KiB | 1003.00 KiB/s, done.
Resolving deltas: 100% (40/40), done.
Submodule path 'template/presentation': checked out 'b1be3800ee91f5809264cb755d316174540b753e'
Submodule path 'template/report': checked out '1d1b61dcac9c287a83917b82e3aef11a33b1e3b2'
PS C:\work\MatMod>

```

- Загружаем репозиторий на GitHub



Результаты

- Репозиторий создан
- Выполнение makefile почти идеальное

Вывод

- Я создал и настроил репозиторий на ГитХабе, освоил навыки создания и управления своим аккаунтом