WORK-CASE №1

WHAT GIT IS FOR AND HOW TO USE IT?

THE PRESENTATION WAS PREPARED BY THE "DOMINO" TEAM:
CHURIUMOVA KSENIIA
SKRYAGA PAVLO

What is git?

GIT IS A DEVOPS TOOL USED FOR SOURCE CODE MANAGEMENT. IT IS A FREE AND OPEN-SOURCE VERSION CONTROL SYSTEM USED TO HANDLE SMALL TO VERY LARGE PROJECTS EFFICIENTLY. GIT IS USED TO TRACKING CHANGES IN THE SOURCE CODE, ENABLING MULTIPLE DEVELOPERS TO WORK TOGETHER ON NON-LINEAR DEVELOPMENT.

git

THE MAIN ADVANTAGES OF GIT
ВИЛА ИГРЫ

1. Branching: Git allows you to create branches, allowing you to develop new features or fix bugs in separate branches without affecting the main development branch (usually master or main).

2. Merging: Git provides the ability to merge changes from one branch to another.

3. History: Git keeps a complete history of changes to every file, allowing you to restore any previous version of a file or see who made a particular change and when.

4. Forking and Merging: You can create repositories based on other repositories, called "forks".

5. Remote Collaboration: Git allows many developers to work together on the same project and to send and receive changes from others.

6. Tracking Changes: Git lets you track the changes you make to your project files, including adding new files, deleting files, and making changes to existing files.

7. Command Line and GUI: Git can be used through both the command line and the graphical user interface, making it convenient for different types of users.

Common git commands

- $git config
- $git init
- $git clone <path>
- $git add <file_name>
- $git commit
- $git status
- $git remote
- $git checkout <branch_name>
- $git branch
- $git push
- $git pull
- $git merge <branch_name>
- $git diff
- $git reset
- $git revert
- $git tag
- $git log

What is GitHub?

GitHub is a code hosting platform for version control and collaboration. It lets you and others work together on projects from anywhere.
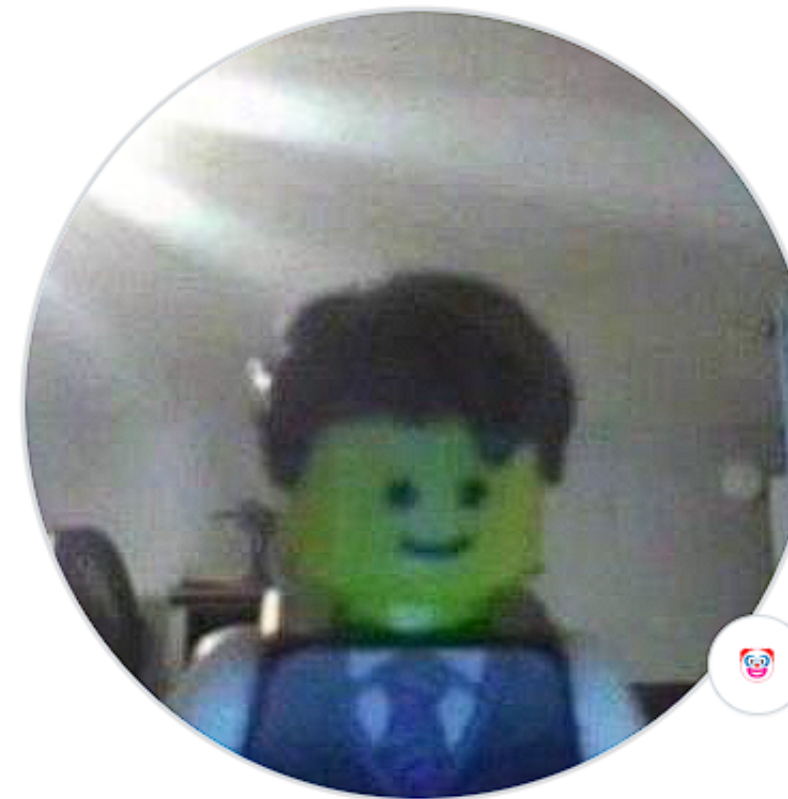
Skryaga Pavlo

Churiumova Kseniia
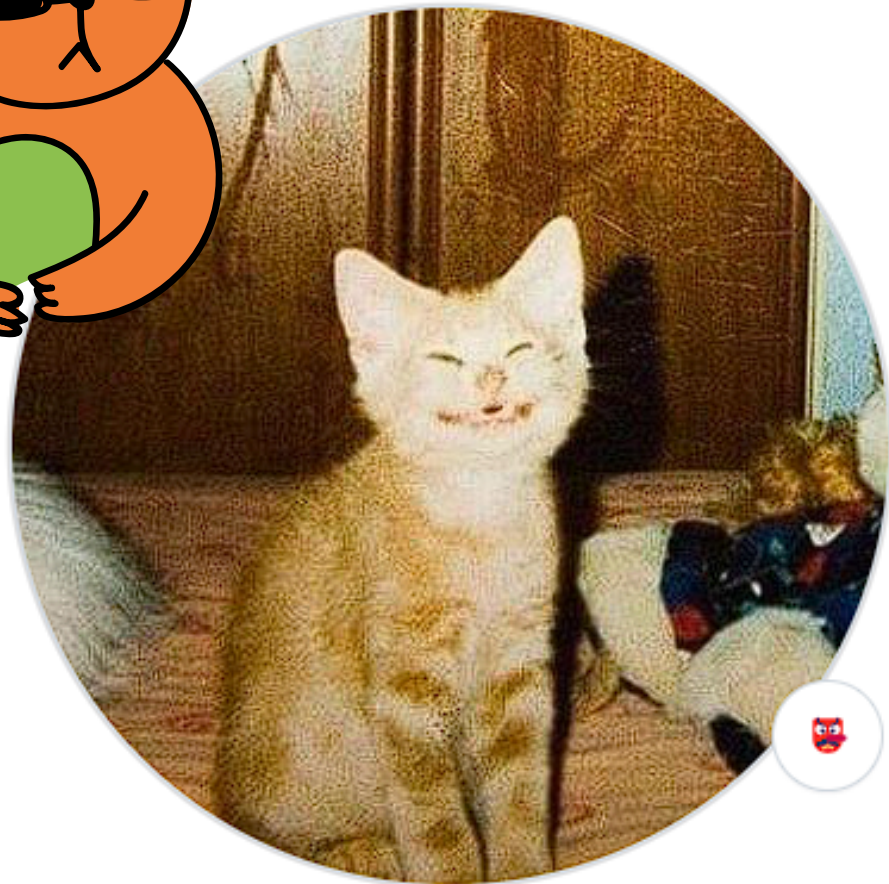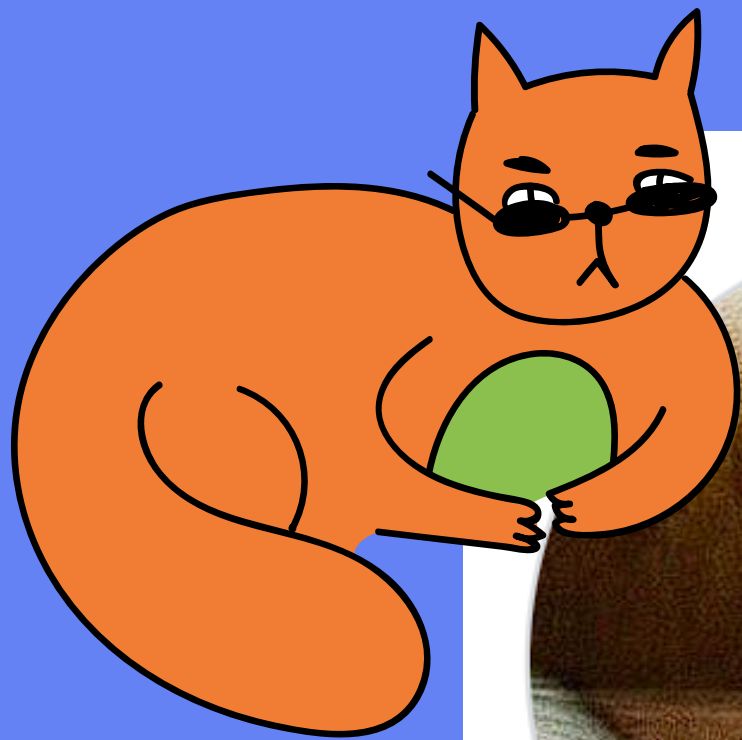
BokuHina

Edit profile

3 followers · 3 following

Joined 19 hours ago

F0xas

Unfollow
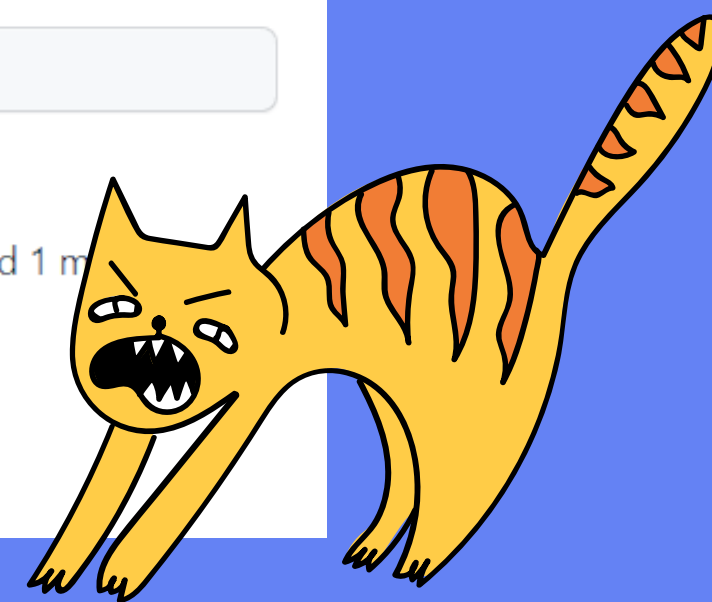
3 followers · 3 following

Followed by **Nikiitanskiy** and 1 m

Joined 20 hours ago

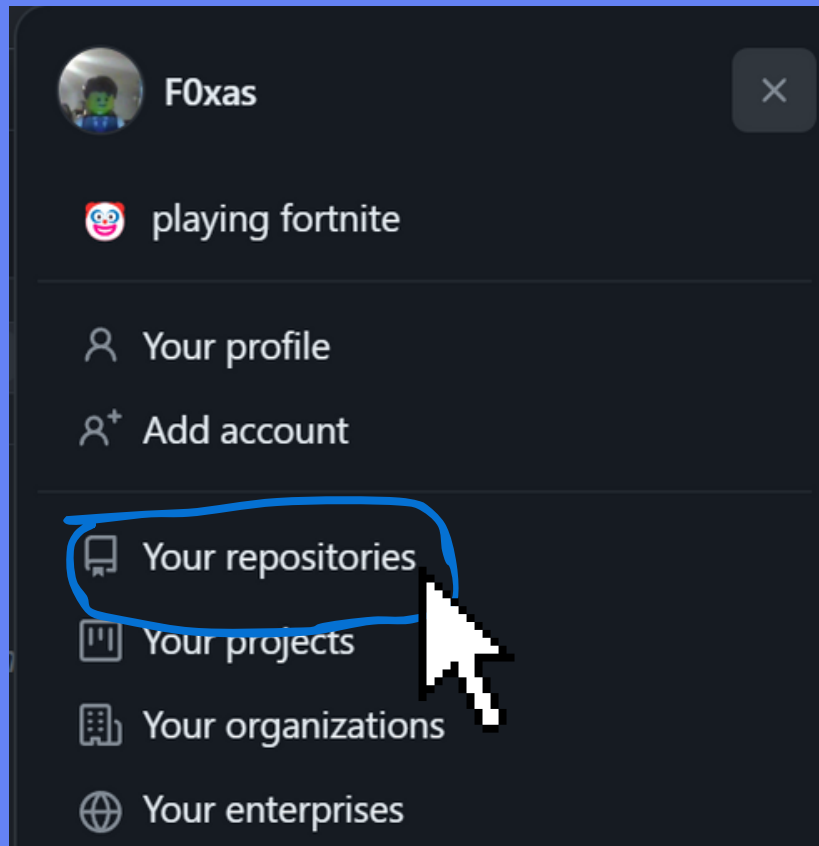Block or Report

How to create a repository
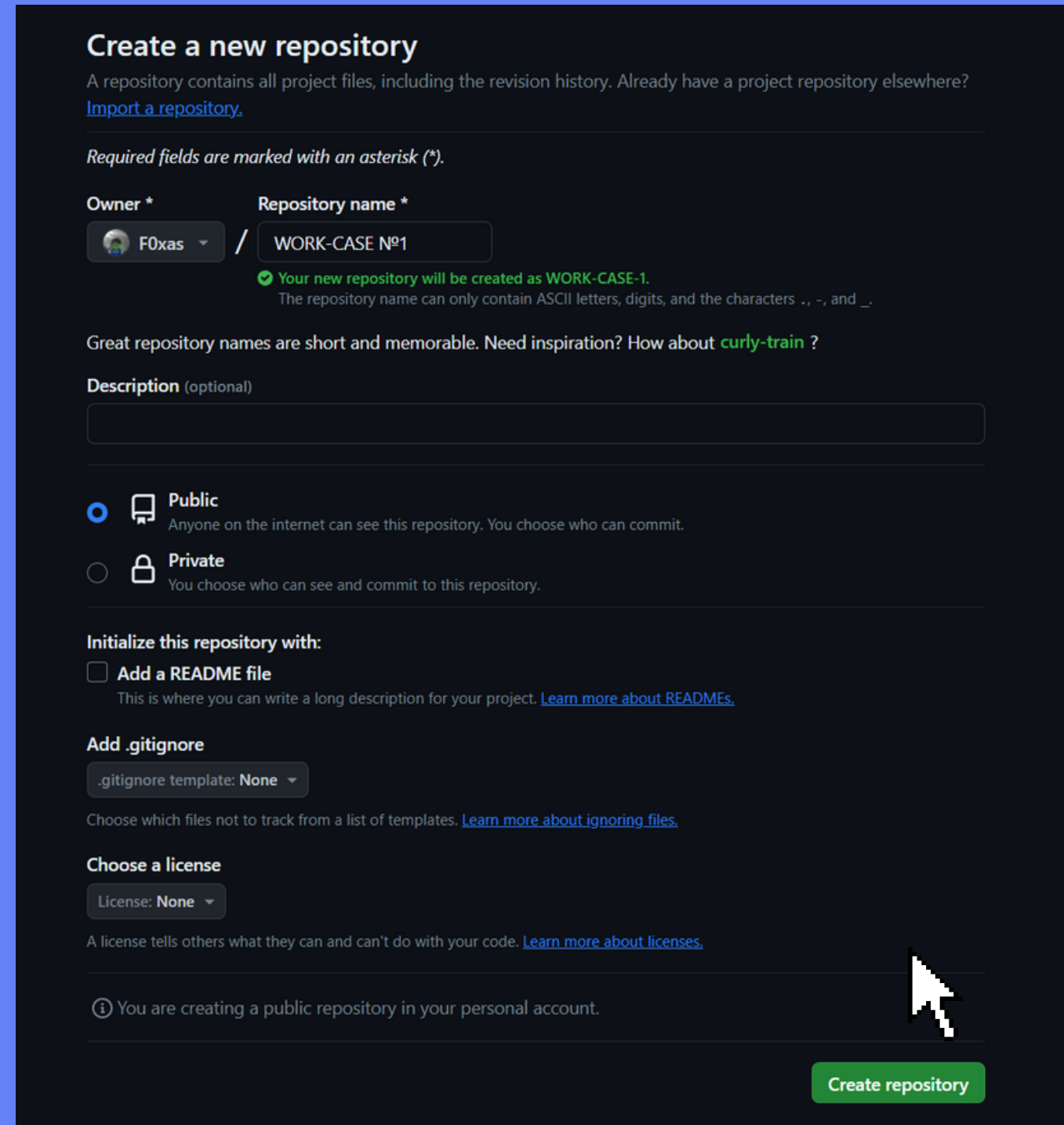
F0xas

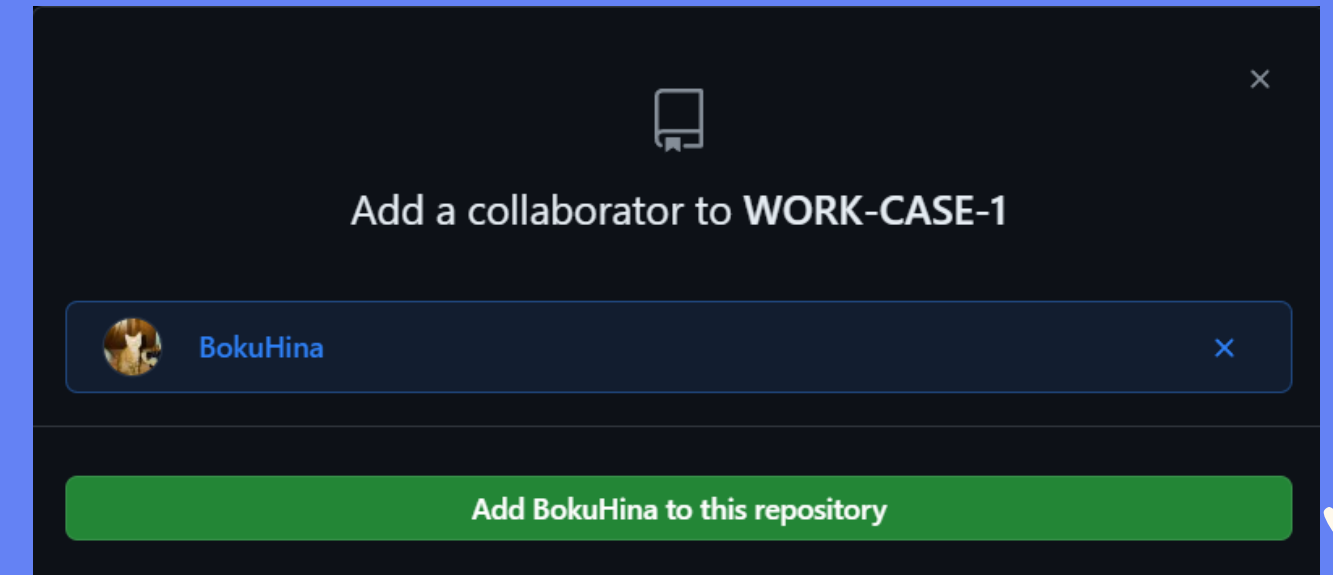playing fortnite

Your profile

Add account

Your repositories

Your projects

Your organizations

Your enterprises

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? Import a repository.

Required fields are marked with an asterisk (*).

Owner *   **Repository name** *

F0xas   /   WORK-CASE №1

✔ Your new repository will be created as WORK-CASE-1.
    The repository name can only contain ASCII letters, digits, and the characters ., -, and _.

Great repository names are short and memorable. Need inspiration? How about curly-train ?

Description (optional)

◉ 🖥 **Public**
    Anyone on the internet can see this repository. You choose who can commit.

○ 🔒 **Private**
    You choose who can see and commit to this repository.

Initialize this repository with:
☐ Add a README file
    This is where you can write a long description for your project. Learn more about READMEs.

Add .gitignore

.gitignore template: None ▾

Choose which files not to track from a list of templates. Learn more about ignoring files.

Choose a license

License: None ▾

A license tells others what they can and can't do with your code. Learn more about licenses.

ⓘ You are creating a public repository in your personal account.

Create repository

Add a collaborator to **WORK-CASE-1**

BokuHina   ✕

Add BokuHina to this repository

Manage access   Add people

☐ Select all   Type ▾

🔍 Find a collaborator...

☐ BokuHina   Pending Invite ⧉   Remove
   Awaiting BokuHina's response

History of comites

Commits

History for DOMINO / **work-case 1** on `main`

Commits on Jan 31, 2024

додала слайд з інф про акаунти
BokuHina committed 14 minutes ago

Add files via upload
F0xas committed 15 minutes ago

додала слайд з інф про git
BokuHina committed 15 minutes ago

Add files via upload
F0xas committed 15 minutes ago

Add files via upload
F0xas committed 16 minutes ago

Add files via upload
BokuHina committed 17 minutes ago

додав слайд з інформацією про git
F0xas committed 44 minutes ago
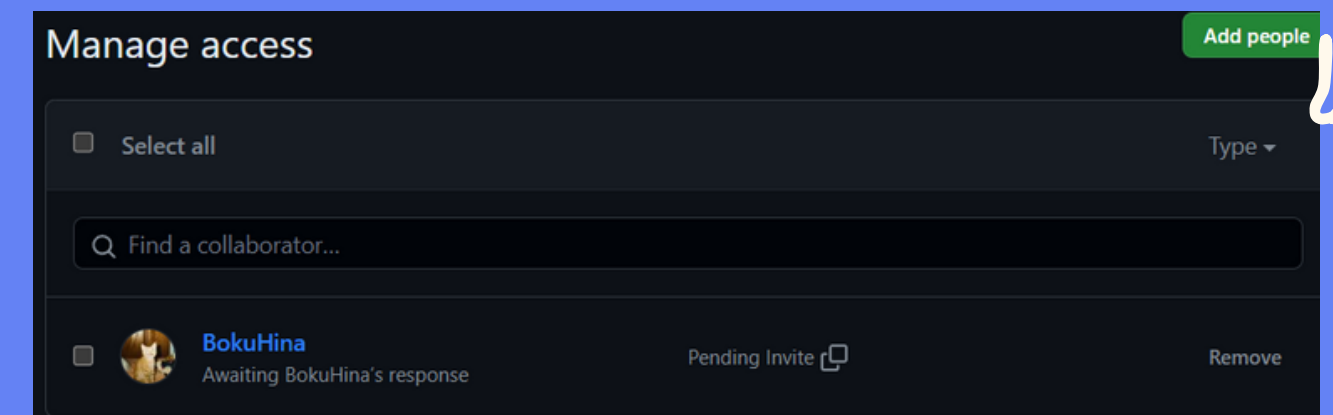
The final result can be found <u>here</u>!