

Windows - install & configuration Git and GitHub

Legend:

**/ */* - Autor's comments

Blue lines - git commands which you need to paste to Terminal

Pink links - hyperlinks

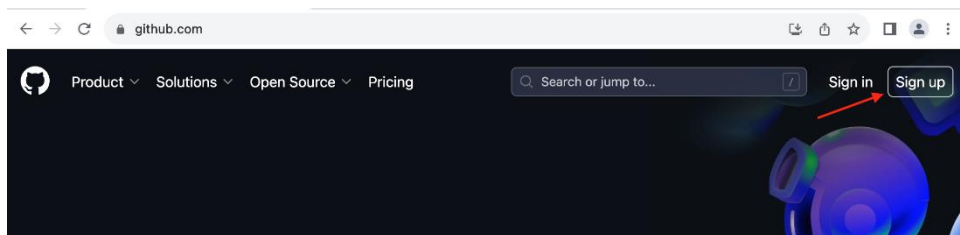
Gray words - you need to change them for your unique data

Green words - actions on the GitHub website

**/ When you copy commands from this manual, please remember not to select any additional spaces */*

I. GitHub account registration and Daodiseo Repository Fork

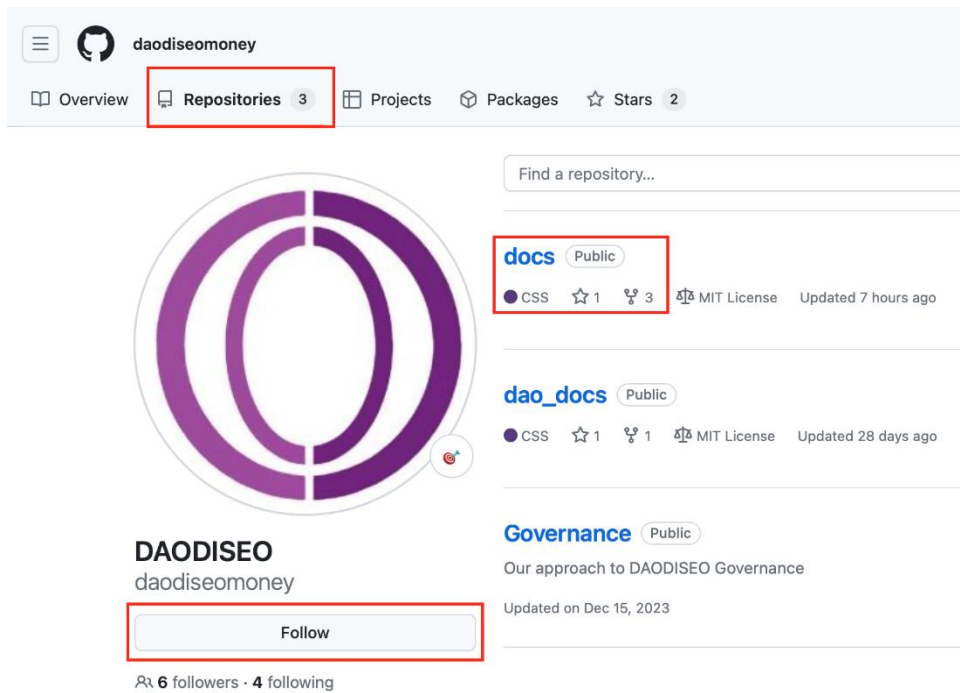
1. **Open** GitHub website and set up your own account. In case you already have it, proceed to the next step.



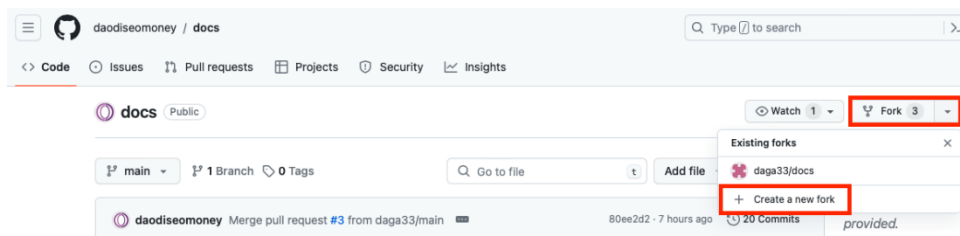
2. Once logged in, search for “daodiseomoney”. Open DAODISEO GitHub profile and hit

FOLLOW 😊

3. Go to “Repositories” and open “docs”.



4. Click on “Fork” button and select “Create a new fork”. With this step you are copying DAODISEO repository to your own GitHub account. You have now 1:1 copy under your personal GitHub that you can work on independently. Proceed to the next section.



II. Git installation

**/There are only few steps ahead of you, so please try to overcome them with curiosity, and then joy will come :))) */*

1. **Install** Visual Studio Code - <https://code.visualstudio.com/download>

2. **Install** Git

- Open link** <https://git-scm.com/download/win>
- Download** Standalone installer (suitable for your Windows 32-bit or 64-bit)
- Run** the installer

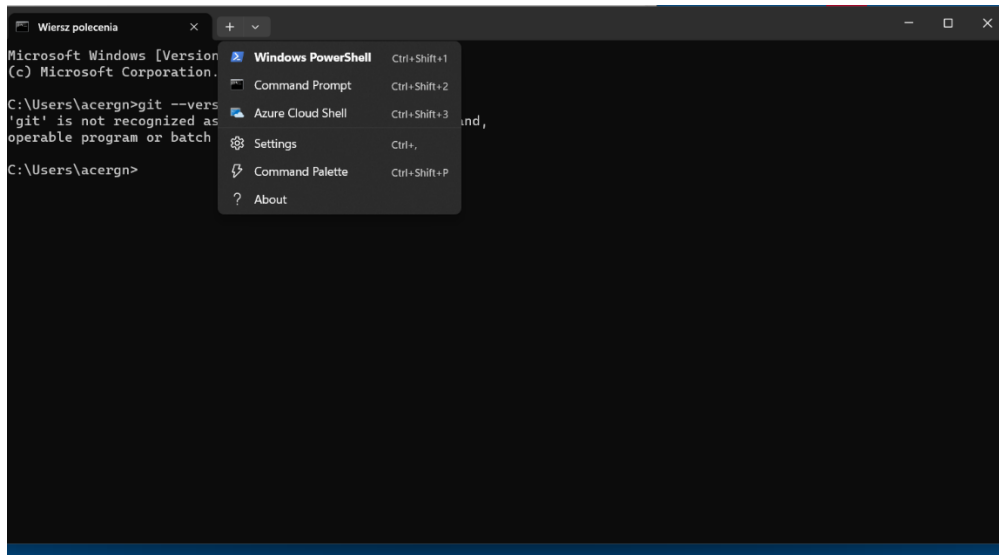
**/ If Windows asks “do you want to allow this app to make changes to your device” click yes */*

d) During installation app will ask for:

- GNU General Public License – leave default -> **click next**
- Select destination location – leave default -> **click next**
- Select start menu folder – leave default -> **click next**
- Choosing the default editor used by git – **select** your favorite e.g. Visual Studio Code -> **click next**
- Adjusting the name of the initial branch in a new repositories – **select** Let Git decide -> **click next**
- Adjusting your PATH environment – Git from the command line and also from 3rd-party software – leave default -> **click next**
- Choosing the SSH executable – **select** use bundled SopenSSH -> **click next**
- Choosing HTTPS transport backend – **select** use the OpenSSL library -> **click next**
- Configuring the line ending conversations – **select** Checkout Windows-style, commit Unix-style line endings -> **click next**
- Configuring the terminal emulator to use with Git Bash – **select** Use MinTTY -> **click next**
- Choose the default behavior of 'git pull' – **select** Fast-forward or merge -> **click next**
- Choose a credential helper – **select** Git Credential Manager -> **click next**
- Configuring extra options – **select** Enable file system caching -> **click next**
- Configuring experimental options – **select** don't check anything-> **click next**
- **Click** Install
- **Wait** until installation finishes
- **Click** Finish

3. Verify that Git is installed properly

- **Open** Windows Command Line with PowerShell tab (Ctrl + Shift + 1)
- **Type command** `git --version` and click **Enter**



4. Now we are going to customize basic information in Git, e.g. your email and user name

a) **Paste** this command to Command line:

- `git config --global user.name "Your name"` -> **Enter**
- `git config --global user.email "Your email address"` -> **Enter**

III. How to clone a repository from GitHub

1. **Create** a new folder on your desktop (e.g. „project” or „daodiseo”)

2. **Open** Command Line

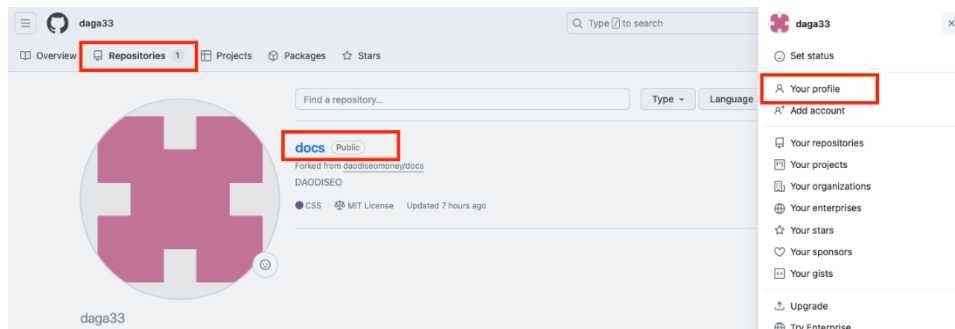
3. Now you need to move to folder in which you will put the repository. So **copy** command below and **paste** it to Command Line and **click** Enter.

`cd <ścieżka folderu>`

**/ without angle <> brackets , e.g. `cd C:\Users \<your PC account name\Desktop\daodiseo */`*

5. **Open** your personal GitHub profile.

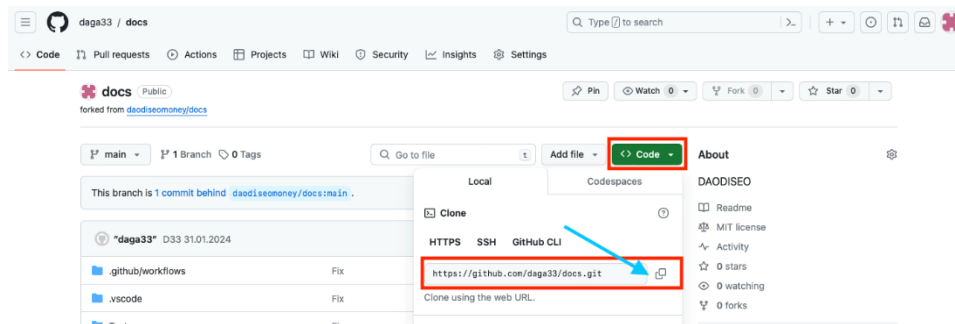
6. **Go to** “Repositories”. **Select** “docs” that you have already copied from DAODISEO.



b)

7. Click on green button „<> Code“

8. Copy repository URL code



c)

9. Type below command in the Command Line

git init -> Enter

*git remote add origin <repository URL address> -> **click** Enter*

**/ without angle brackets. In this case command would look like below: e.g.*

*https://github.com/<your_GitHub_user>/docs.git */*

10. Check if repository exists on your computer in folder which you created in the first step.

11. Ooops, You did it again! ;-)

IV. How to connect Git with GitHub account by SSH Keys

1. **Open** Command Line

2. **Copy** and paste this

```
ssh-keygen -t rsa -b 4096 -C "<here type your email>"
```

**/ without angle <> brackets */*

3. When Command Line shows following message „Enter file in which to save the key

C:\Users\<your PC account name>\.ssh\id_rsa)" -> **click** Enter to accept default localization

4. **Generate** and **type** unique password then **click** Enter

**/copy and save password in password manager */*

5. **Type**/paste it one more time and **click** Enter

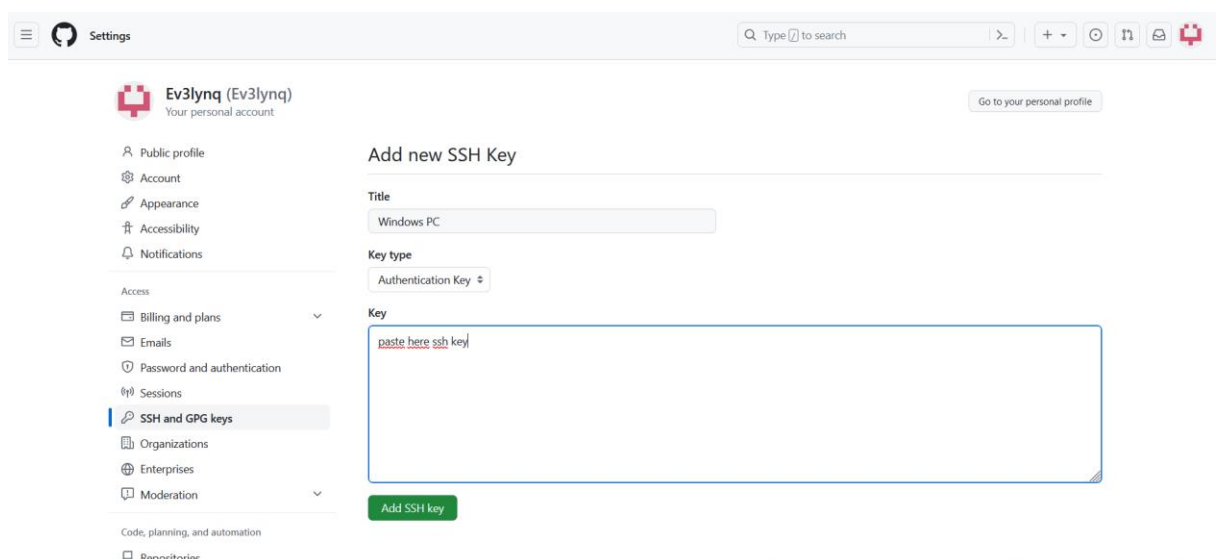
6. **Open** folder .ssh **/e.g. C:/users/ssh*/*

- **Open** file id_rsa.pub in notepad
- **Copy** the key (ctrl+a, ctrl+c)

7. **Open** your GitHub account

8. **Click** on your profile picture -> **settings** -> **SSH and GPG keys** -> **click** on button „New SSH key”

9. **Type** the name - e.g. Windows PC, then **move** to Key field and **click** „Ctrl + v”) **accept** by clicking „Add SSH Key” button.



The screenshot shows the GitHub 'Add new SSH Key' form. On the left is a sidebar with the user's profile 'Ev3lynq (Ev3lynq)' and a list of settings: Public profile, Account, Appearance, Accessibility, Notifications, Access, Billing and plans, Emails, Password and authentication, Sessions, SSH and GPG keys (highlighted), Organizations, Enterprises, and Moderation. At the bottom of the sidebar are links for 'Code, planning, and automation' and 'Repositories'. The main form area is titled 'Add new SSH Key' and contains three fields: 'Title' with the value 'Windows PC', 'Key type' set to 'Authentication Key', and a large 'Key' text area with a placeholder 'paste here ssh key'. A green 'Add SSH key' button is at the bottom of the form.

10. **Copy** and **paste** command to Command Line

ssh -T git@github.com

Terminal will show info „ *The authenticity of host 'github.com (140.82.121.3)' can't be established. ED25519 key fingerprint is*

SHA256:+DiY3wvvV6TuJJhbpZisF/zLDA0zPMSvHdkr4UvCOqU.

This key is not known by any other names. Are you sure you want to continue connecting (yes/no/[fingerprint])?"

13. **Type Yes** -> click **Enter**

14. Command Line will ask for password -> **type password** from step 4th and **click Enter**

**/ You should get a message „Hi <your user name>! You've successfully authenticated, but GitHub does not provide shell access.” */*

15. Well done! You did it! Now you can enjoy your recently acquired technical skills :-)

**/As a Master of technical skills you need to copy repository from DAODISEO GitHub, but it will be piece of cake for you :) */*