



Git, Github, and Markdown

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Overview

- **Prerequisite**

- Git
- TortoiseGit
- Github account

- **Practice**

1. Make a (remote) repository on your Github
2. Clone your remote repository
3. Add a Markdown text file and edit it
4. Commit your modification
5. Push your commit

- **Assignment #01**

- Submit your Markdown URL in your Github repository

Prerequisite

- Git
 - Download: <https://git-scm.com/downloads>
 - cf. You can use the default setting. (Don't confuse many question.)
- TortoiseGit (only for Windows)
 - Download: <https://tortoisegit.org/download/>
- Github account
 - URL: <https://github.com/> (*Sign up* is at the top-right if you are not login.)

Please complete the above prerequisite until 10:30 (in Korean class) and 14:30 (in English class)

- Your choices
 - You **can** select your Git client, not only TortoiseGit but also console and others.
 - You **can** make your remote repository not only in Github but also in Bitbucket, Gitlab, and others.
 - You **can** use your previous repository and previous Markdown file (but with your modification).

Practice

1. Make a (remote) repository on your Github

- [Github] Click *New repository* at the + icon at the top-right.
- [Github] Fill the repository name while selecting *Public*.
 - The same name with your account will be your Github profile.
- cf. [Creating a personal access token](#) (a.k.a. PTA), Github

Practice

2. Clone your remote repository

- [File Explorer] Click the right mouse button where your working directory.
 - You can see a context menu including TortoiseGit.
- [File Explorer] Click *TortoiseGit* > *Clone* or *Git Clone*.
- [TortoiseGit] Fill the URL of your remote repository.
 - e.g. `https://github.com/sunglok/sunglok.git`
 - You can check your URL at **Code** after pushing any commit.

The screenshot shows the GitHub interface for the repository 'sunglok/sunglok'. The 'Code' button is highlighted in green. A context menu is open over the 'Code' button, showing options to clone the repository using HTTPS, SSH, or GitHub CLI. The URL 'https://github.com/sunglok/sunglok.git' is displayed in the menu. Below the repository name, there is a list of files including 'README.md' and 'Update README.md'.

The screenshot shows a Windows File Explorer context menu. The menu items are: 새 폴더(N), 명령 창 열기(C), 보기(V), 정렬 기준(O), 분류 방법(P), 새로 고침(E), 현재 폴더 사용자 지정(F)..., 공유... (disabled), 숨여보기(P), Visual Studio로 열기(V), 바로 가기 붙여넣기(S), 이름 바꾸기 취소(U) Ctrl+Z, 액세스 권한 부여 (G), Git Create repository here..., TortoiseGit, 새로 만들기(W), and 속성(R).

Practice

3. Add a Markdown text file and edit it

- Make a text file such as README.md.
- [File Explorer] Click the right mouse button at the text file.
- [File Explorer] Click *TortoiseGit* > *Add*.
- Edit your text file in Markdown syntax.

4. Commit your modification

- [File Explorer] Click the right mouse button where your working directory.
- [File Explorer] Click *TortoiseGit* > *Commit* -> "master"
 - Write a log message (e.g. Add README.md)
- cf. You can easily see your logs and diffs on your repository with TortoiseGit. Enjoy the Git!

5. Push your commit

- [File Explorer] Click the right mouse button where your working directory.
- [File Explorer] Click *TortoiseGit* > *Push*.

Assignment

- Mission
 - Submit your Markdown URL in your Github repository
- Condition
 - Your Markdown text **should** contain at least one Markdown tag.
 - A plain text is not allowed.
 - Your repository **should** be public and available until the end of this semester.
 - Don't remove your repository until the end of this semester.
 - You **can** select your Git client, not only TortoiseGit but also console and others.
 - You **can** make your remote repository not only in Github but also in Bitbucket, Gitlab, and others.
 - You **can** use your previous repository and previous Markdown file (but with your modification).
- Submission
 - Deadline: **September 22, 2021 23:59** (**firm deadline**; no extension)
 - Where: e-Class > Assignments
 - Score: Max 10 points (binary evaluation)

Assignment

■ Submission example

sunglok/README.md at main · sunglok/sunglok

https://github.com/sunglok/sunglok/blob/main/README.md

sunglok / sunglok (Public)

Code Pull requests Actions Security Insights Settings

main sunglok / README.md

sunglok Update README.md Latest commit 686d958 8 days ago History

1 contributor

18 lines (14 sloc) | 1.2 KB

Sunglok Choi

I am Sunglok Choi, Assistant Professor in the Dept. of Computer Science and Engineering, SeoulTech.

My research interests include

- Robot Navigation: Localization, SLAM, Path Planning, Path Following
- Computer Vision: Robust Regression, 3D Vision (Visual Odometry, Visual SLAM, SFM)

I open some of my research works: [Triangulation Toolbox](#) (MATLAB) and [RANSAC Template Library](#) (C++).

I am always happy 😊 to share my knowledge 📚 with others. Please visit the follows if you are interested.

- An Invitation to 3D Vision: A Tutorial for Everyone
- Python in 3 Hours
- Programming meets Mathematics
- Machine Learning Brief with scikit-learn
- Deep Learning Brief with PyTorch
- MINT Lab's Know-Where
- Awesome Robotics Datasets

New sunglok/sunglok is now a special repository: its README.md will appear on your profile!

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Title	Assignment #01: Git, Github, and Markdown
Submitting Method	online
Publishing Date	Sep 16, 2021 AM 12:00
Due Date	Sep 22, 2021 PM 11:59
Points	Private
Late Submission	Not Allowed

Message: Submit your commit URL which edits your Markdown text

Please refer slides, lab01_git_markdown.pdf

Comment 0

Submit

Font Family Font Size

https://github.com/sunglok/sunglok/blob/main/README.md