

깃허브 업로드 가이드

13 Feb

Hyeonwoo Yoo

용어정리

- Organization : 여러 Repo. 를 가진 그룹(e.g. KU-BIG)
- Repository : 특정 프로젝트를 위한 저장소(e.g. KU-BIG 2019 Spring)
- Branch : 특정 프로젝트의 버전 관리를 위한 줄기(e.g. master, hwyoo, bogeun)
- Clone : 특정 Repo. 를 통째로 복사해 오는것

Branch : 특정 프로젝트의 버전 관리를 위한 줄기

- master branch : 밖으로 보여지는, 각자의 작업물이 합쳐진, 가장 안정적인 branch
- name1 branch : master를 clone(복사)해서, 내가 뭔가를 추가로 작업하고 있는 branch. 이름을 name1이라고 지었다. 여기에 기능 A를 추가했다. 여기에 기능을 추가하더라도 master에는 아무것도 달라지지 않음
- name2 branch : master를 clone(복사)해서, 내가 뭔가를 추가로 작업하고 있는 branch. 이름을 name1이라고 지었다. 여기에 기능 B를 추가했다. 여기에 기능을 추가하더라도 master에는 아무것도 달라지지 않음

Branch : 특정 프로젝트의 버전 관리를 위한 줄기

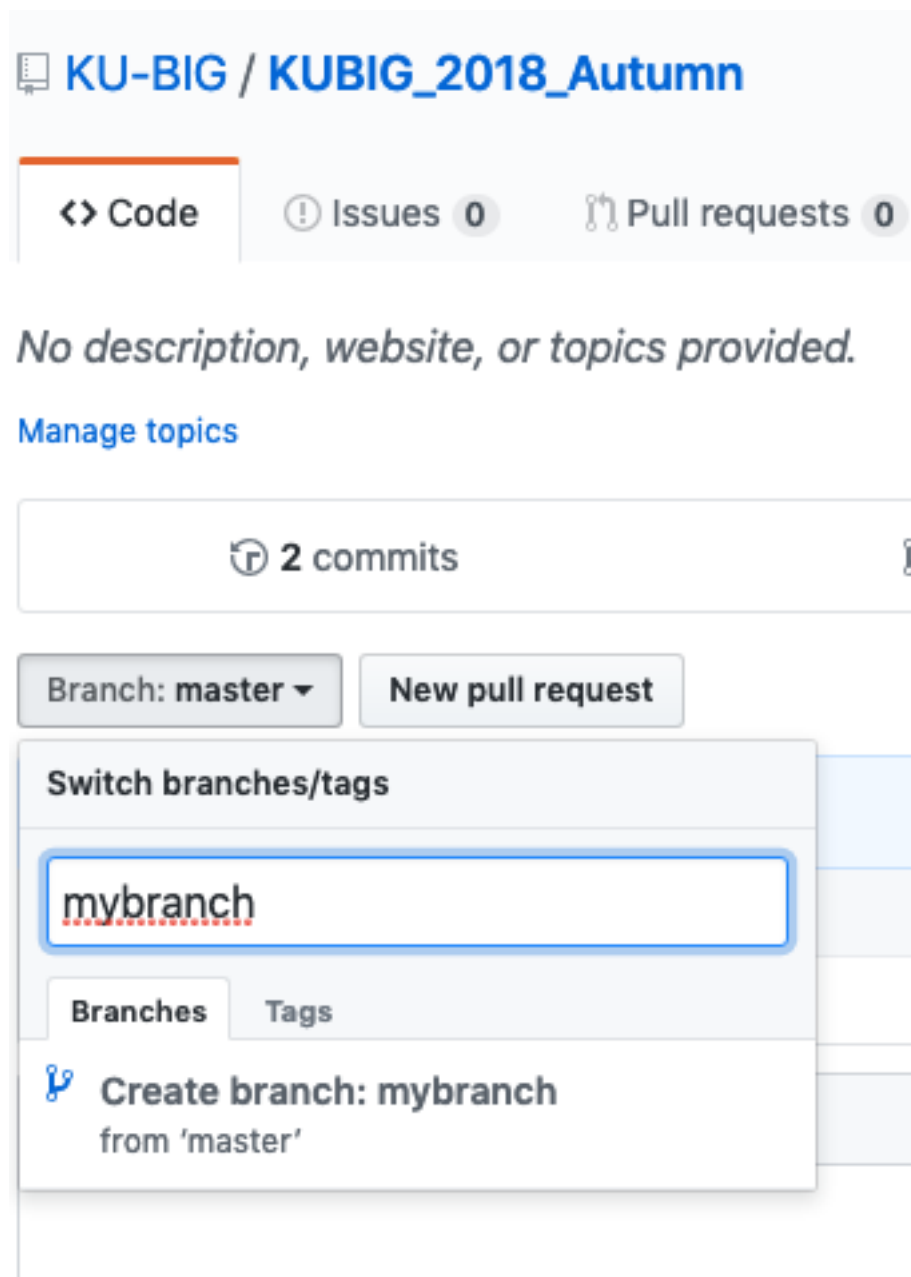
- 이제 내가 추가한 코드를 master에 반영하려면?
- name1(branch) -> master(branch) 로 pull request!
- github에서 두 코드간의 difference를 찾아내서, 그 difference만큼을 master에 업데이트 한다
- 그러면 master branch에 내가 name1 branch에서 작업한 내용이 반영됨. master branch에 내가 개발한 기능A가 추가되었다!
- 기능B도 추가하려면?
- name2(branch) -> master(branch) 로 pull request!

Branch : 특정 프로젝트의 버전 관리를 위한 줄기

- 왜 이런 귀찮은 짓을?
- git repo는 항상 동기화되기 때문에, 모두가 master branch를 사용하면 남이 하던 작업이 내 로컬 폴더에도 저장되고 그걸 내가 지워버릴수 있음 ^_^.
그걸 push(git repo로 보냄)하면 git repo에서 다른 사람이 한 작업이 사라짐
- 특정 기능의 개발/테스트를 위해 branch를 만들고, 그 기능이 충분히 안정적이라고 생각되면 그때 master에 merge(pull request).
- 개발한 기능이 마음에 들지 않으면 merge를 하지 않으면 됨.(Ctrl Z를 연타할 필요가 없다)

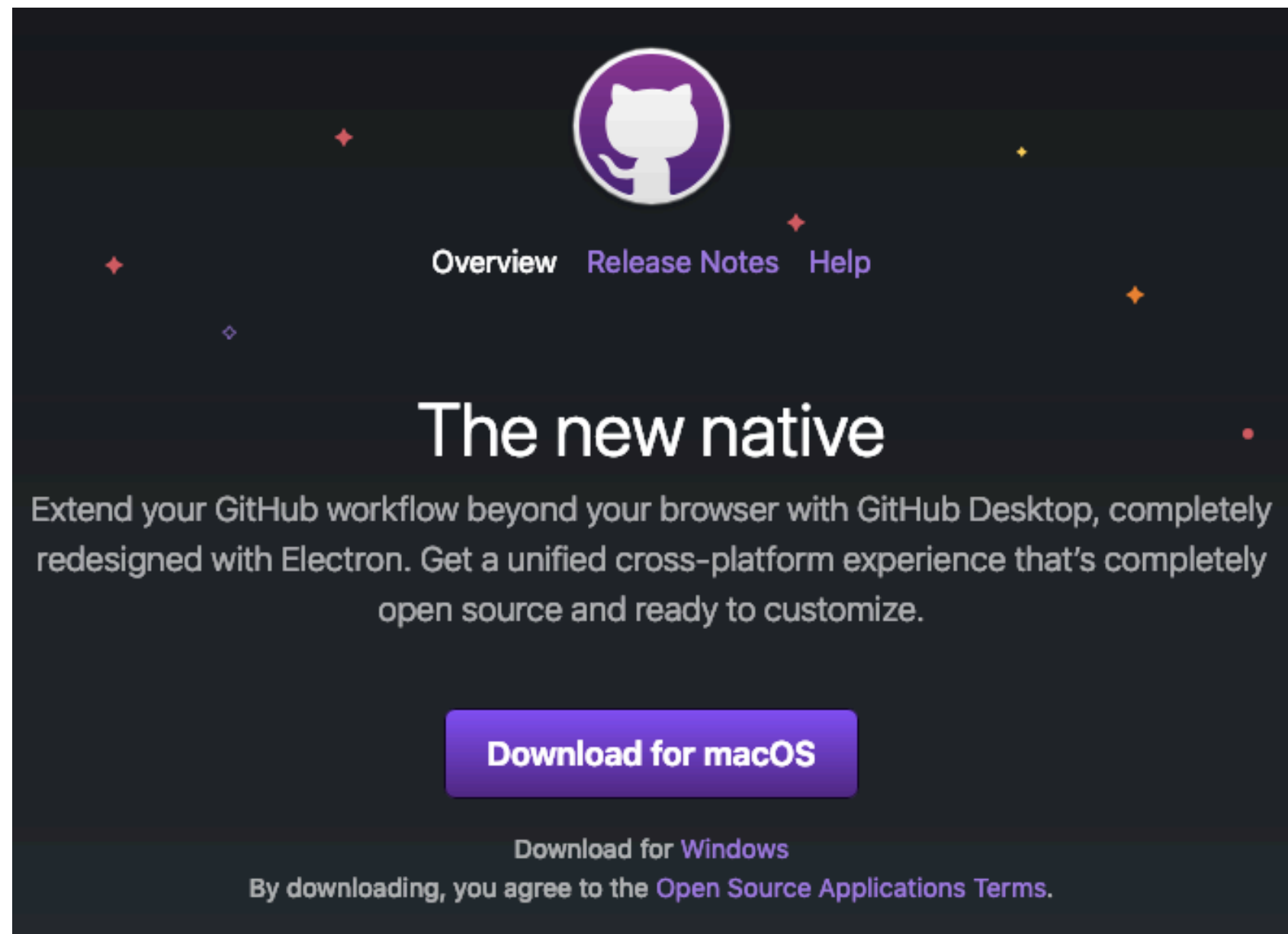
그래서 어떻게?

- Master를 clone해서 내 branch 만들기



그래서 어떻게?

- Github Desktop 설치, 로그인
- <https://desktop.github.com/>



그래서 어떻게?

- 로컬(내 컴퓨터)에 Repository clone(복사)
- File - Clone Repository
- Clone하려는 Repository 선택
- 내 컴퓨터의 어디에 저장할지
- Local Path 지정

Clone a Repository

GitHub.com

Enterprise

URL

Filter

hyeon95y/Scraper_Pokemonwiki

hyeon95y/Simulation-Lab-2018-2-

hyeon95y/Trend_Predicting

KU-BIG

KU-BIG/KUBIG_2018_Autumn

KU-BIG/KUBIG_2019_Spring

Local Path

/Users/HyeonWoo/Library/Mobile Documents/com~app

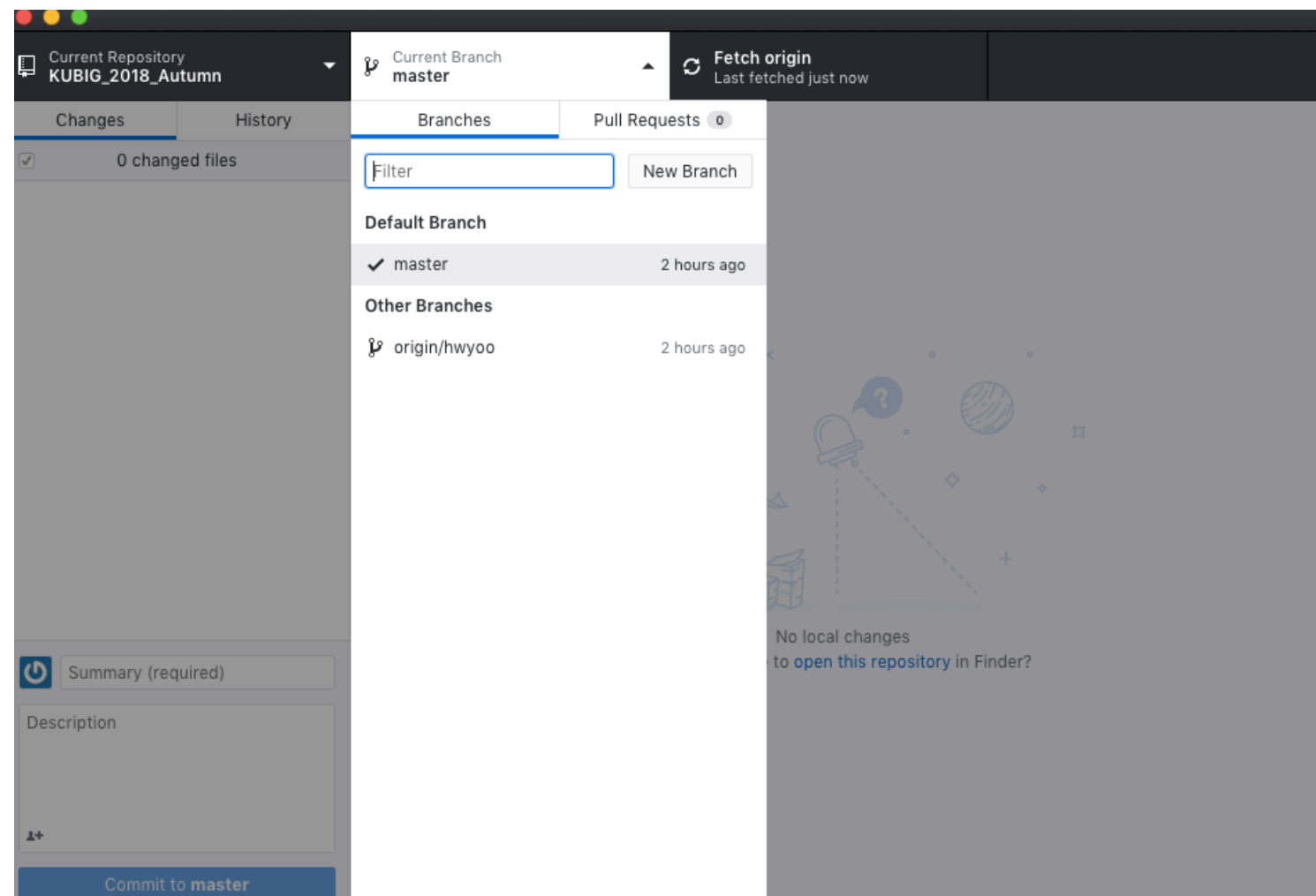
Choose...

Cancel

Clone

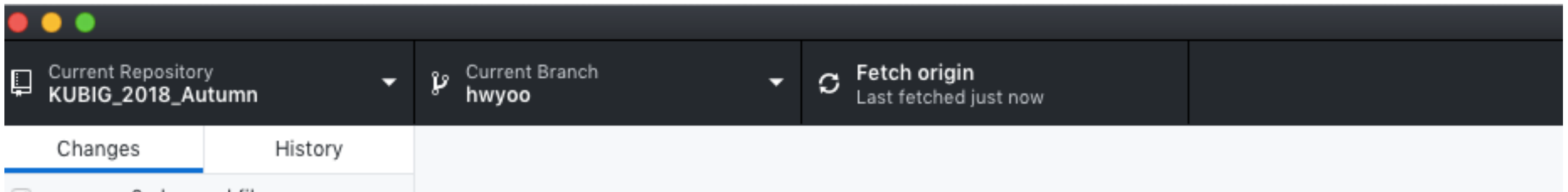
그래서 어떻게?

- 자신이 생성한 branch 선택
- 여기서는 origin/hwyoo
- 앞으로 나의 모든 업데이트는 이 branch에 반영됨



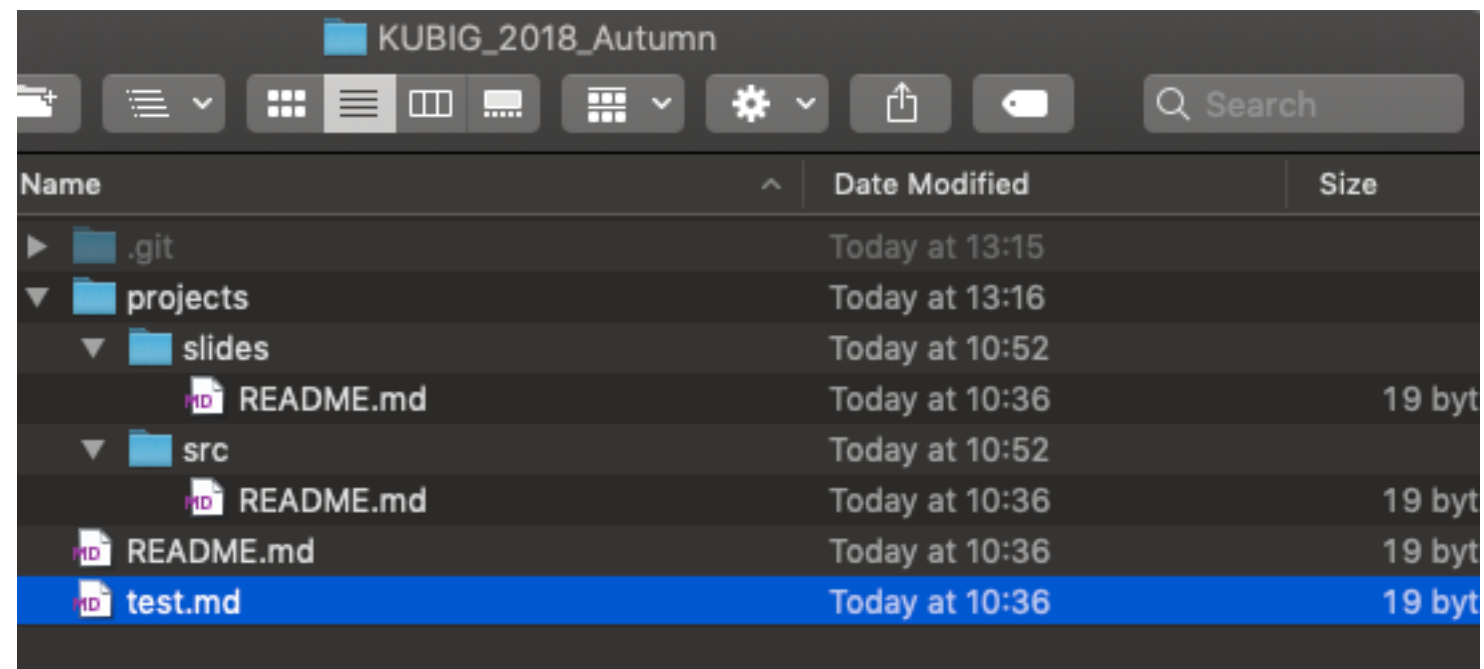
그래서 어떻게?

- Current Branch : hwyoo로 된 것 확인



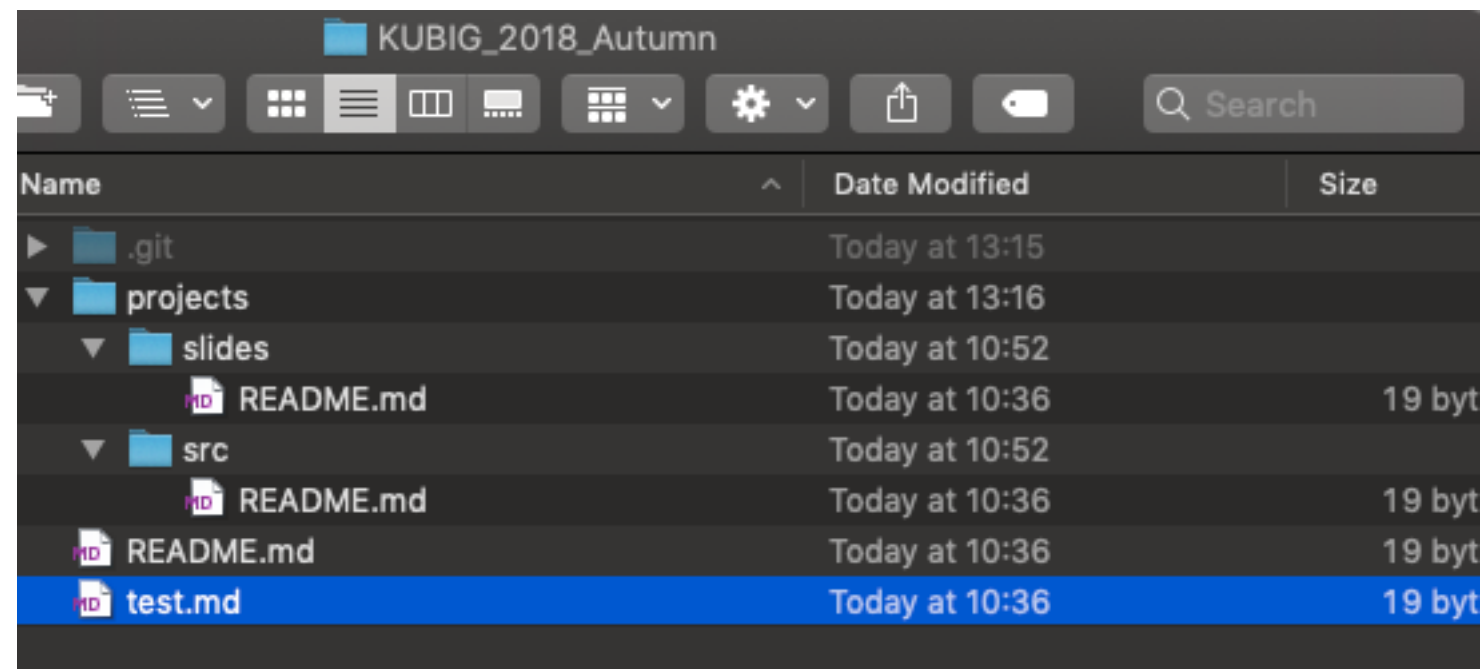
그래서 어떻게?

- Clone했던 Local Folder로 가서 내용 업데이트(e.g. 코드작성, 업로드하려는 파일 집어넣기 등등..)
- test.md 를 생성하였음



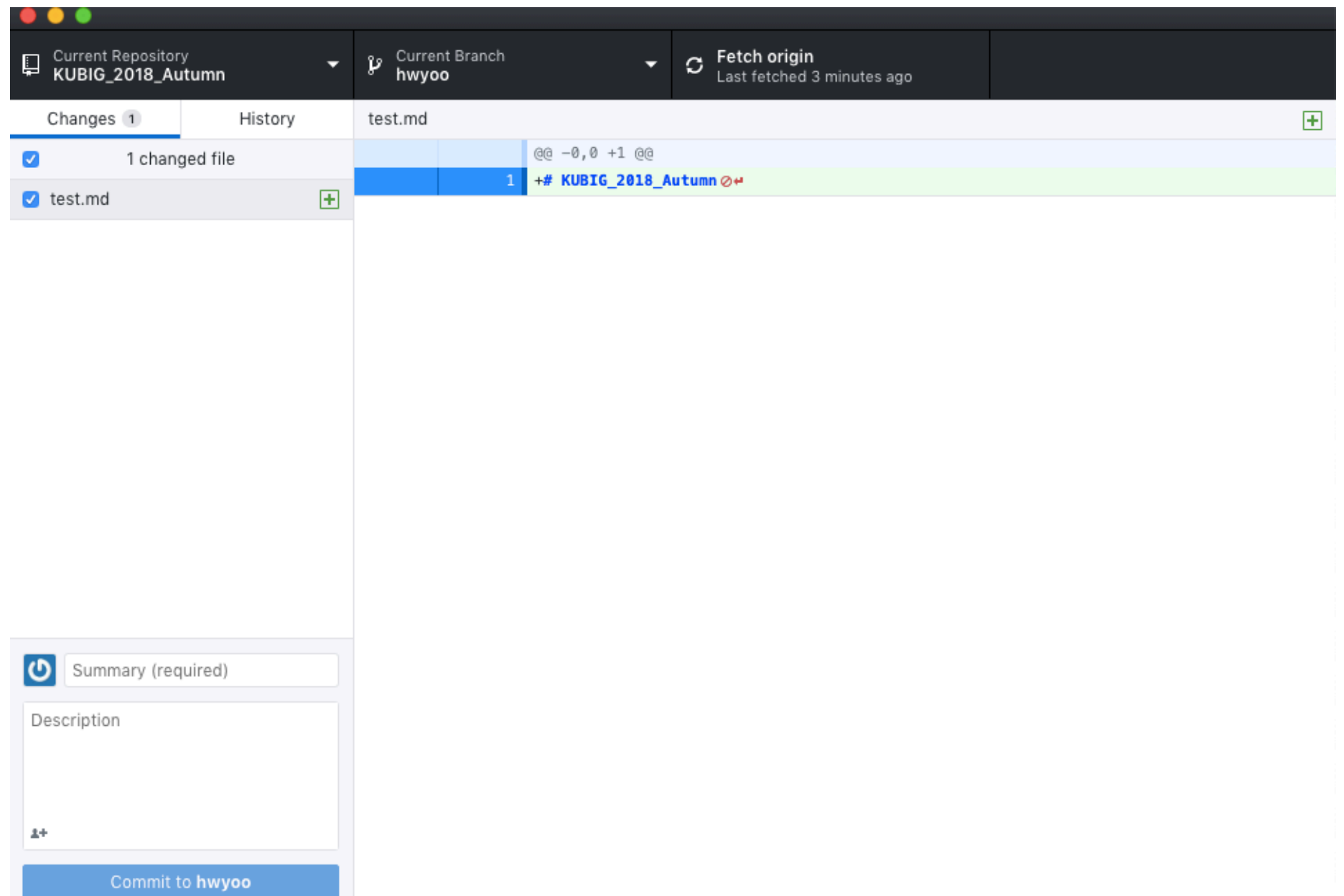
그래서 어떻게?

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- test.md 를 생성하였음



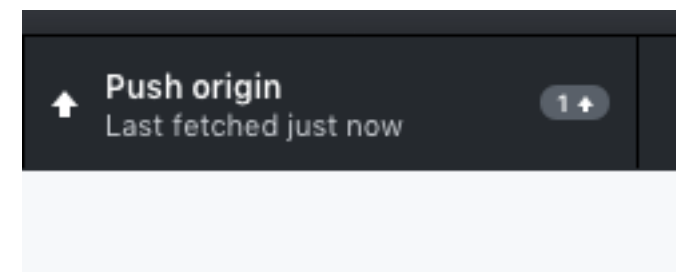
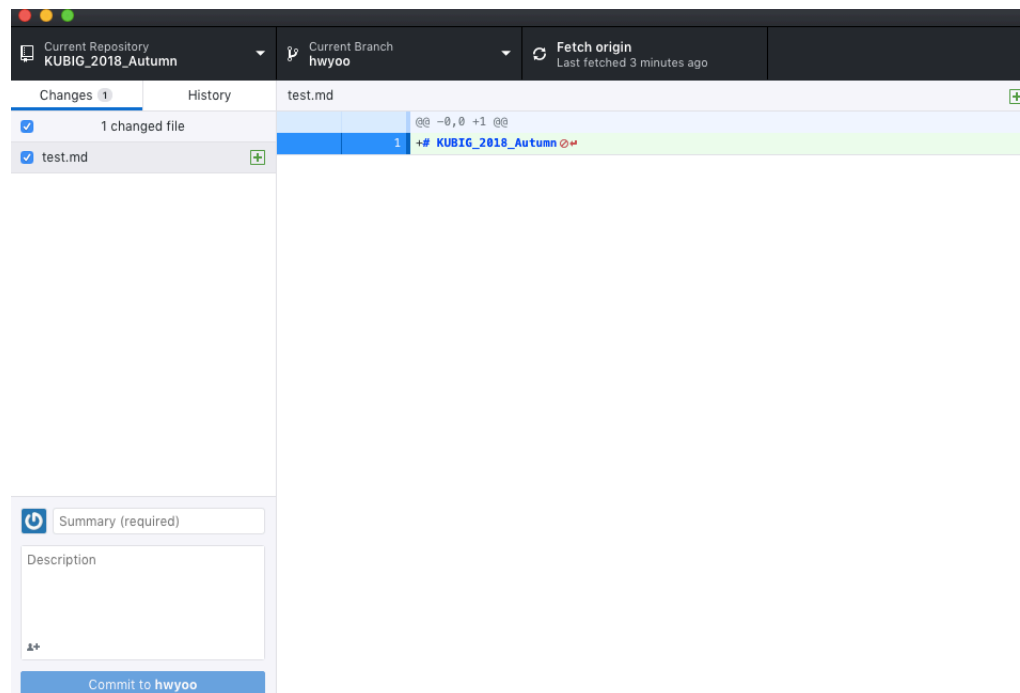
그래서 어떻게?

- githut desktop에 이 repo/내 branch 의 변동사항이 표시됨
- ‘Summary(required)’에 내가 무엇을 작업했는지 comment작성하여 ‘Commit’



그래서 어떻게?

- Fetch origin을 클릭하여 Fetch하거나(그러면 Push가 나옴)(뭔가 잘 안될때는 Fetch를 누르다보면 해결될때가 많음)
- Push origin을 눌러서 Push(로컬저장소에서 깃허브 저장소로 보냄)
- 간혹 push가 안될경우, pull을 하라고 나오는데 pull하면 됨
- 깃허브저장소가 로컬저장소보다 최신버전이라서(다른 작업이 추가되어서) 로컬저장소를 우선 깃허브저장소 버전으로 업데이트하고 나서야
- 내 작업을 올릴수 있기 때문에 발생하는 문제
- pull을 통해 로컬저장소를 업데이트 하고나면 정상적으로 push가능



그래서 어떻게?

- 내가 추가한 파일(test.md)가
- hwyoo branch에 올라간
- 것을 확인할수 있음

The screenshot shows the GitHub interface for the repository 'KU-BIG / KUBIG_2018_Autumn'. The repository has 3 commits and 2 branches. The 'hwyoo' branch is selected, and it is 1 commit ahead of master. The commit history shows a commit by Hyeonwoo Daniel Yoo with the message 'test'. The file list shows 'projects', 'README.md', and 'test.md'. The 'test.md' file is selected, and its content is displayed as 'KUBIG_2018_Autumn'.

KU-BIG / KUBIG_2018_Autumn

<> Code Issues 0 Pull requests 0 Projects

No description, website, or topics provided.

Manage topics

3 commits 2 branches

Your recently pushed branches:

hwyoo (1 minute ago)

Branch: hwyoo New pull request

This branch is 1 commit ahead of master.

Hyeonwoo Daniel Yoo test

projects	dir structure up
README.md	Initial commit
test.md	test

README.md

KUBIG_2018_Autumn

그래서 어떻게?

- 내가 추가한 파일(test.md)가
- hwyoo branch에 올라간
- 것을 확인할수 있음
- 하지만 master branch에는
- 반영되지 않은 상태
- master branch에 내 업데이트를 반영하려면?

The screenshot shows the GitHub interface for the repository 'KU-BIG / KUBIG_2018_Autumn'. At the top, there are tabs for 'Code', 'Issues' (0), 'Pull requests' (0), and 'Projects' (0). Below the tabs, it states 'No description, website, or topics provided.' and a link to 'Manage topics'. A summary bar shows '2 commits' and '2 branches'. Under 'Your recently pushed branches:', the 'hwyoo' branch is listed as pushed '1 minute ago'. Below this, there are buttons for 'Branch: master' and 'New pull request'. A commit history table shows two entries: 'Hyeonwoo Daniel Yoo dir structure updated' with a link to 'projects' (labeled 'dir structure updated') and 'README.md' (labeled 'Initial commit'). At the bottom, the 'README.md' file is previewed, showing the title 'KUBIG_2018_Autumn'.

KU-BIG / KUBIG_2018_Autumn

<> Code Issues 0 Pull requests 0 Projects 0

No description, website, or topics provided.

[Manage topics](#)

2 commits 2 branches

Your recently pushed branches:

hwyoo (1 minute ago)

Branch: master New pull request

Hyeonwoo Daniel Yoo dir structure updated	
projects	dir structure updated
README.md	Initial commit

README.md

KUBIG_2018_Autumn

그래서 어떻게?

- Pull Request -> New Pull Request

The screenshot shows the GitHub interface for the repository **KU-BIG / KUBIG_2018_Autumn**. At the top, there are buttons for **Watch** (0), **Star** (0), and **Fork** (0). Below these are navigation tabs: **Code**, **Issues** (0), **Pull requests** (0), **Projects** (0), **Wiki**, **Insights**, and **Settings**. A notification banner states: "Label issues and pull requests for new contributors. Now, GitHub will help potential first-time contributors discover issues labeled with **help wanted** or **good first issue**." Below this, under "Your recently pushed branches:", a branch **hwyoo** is listed with a timestamp of "3 minutes ago". To the right of this branch is a green button that says "Compare & pull request". At the bottom, there is a search bar with the filter **is:pr is:open**, buttons for **Labels** and **Milestones**, and a prominent green button labeled **New pull request**.

KU-BIG / KUBIG_2018_Autumn

Watch 0 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

Label issues and pull requests for new contributors [Dismiss](#)

Now, GitHub will help potential first-time contributors discover issues labeled with **help wanted** or **good first issue**

Your recently pushed branches:

hwyoo (3 minutes ago) [Compare & pull request](#)

Filters is:pr is:open Labels Milestones [New pull request](#)

그래서 어떻게?

- hwyoo -> master 방향으로 선택
- Create pull request

Comparing changes

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#).



base: master ▾



compare: hwyoo ▾

✓ **Able to merge.** These branches can be automatically merged.

 **Create pull request** Discuss and review the changes in this comparison with others.






그래서 어떻게?

- Craete pull request

Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forl](#)

 base: master  compare: hwyoo ✓ **Able to merge.** These branches can be automatically merged.



test

Write

Preview

AA B i

“ > ”

⋮ ⋮ ⋮

@ ★ ↶

Leave a comment

Attach files by dragging & dropping, selecting them, or pasting from the clipboard.

M Styling with Markdown is supported

Create pull request

그래서 어떻게?

- admin이 승인 후 master에 합쳐짐
- test.md가 master에 간것을 확인할 수 있음

The screenshot shows the GitHub interface for the repository **KU-BIG / KUBIG_2018_Autumn**. At the top, there are buttons for Watch (0), Star (0), and Fork (0). Below this is a navigation bar with links for Code, Issues (0), Pull requests (0), Projects (0), Wiki, Insights, and Settings. A message states "No description, website, or topics provided." with an Edit button. Below this, statistics show 4 commits, 2 branches, 0 releases, and 1 contributor. Action buttons include "Branch: master", "New pull request", "Create new file", "Upload files", "Find file", and "Clone or download". A recent commit by **hyeon95y** is highlighted, showing a merge of pull request #1 from KU-BIG/hwyoo. The commit message is "Merge pull request #1 from KU-BIG/hwyoo" and the latest commit hash is 65a61b7, committed just now. The commit history table lists three items: **projects** (dir structure updated, 3 hours ago), **README.md** (Initial commit, 3 hours ago), and **test.md** (test, 8 minutes ago). Below the table, the **README.md** file is shown with the content **KUBIG_2018_Autumn**.

KU-BIG / KUBIG_2018_Autumn

Watch 0 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

No description, website, or topics provided. Edit

Manage topics

4 commits 2 branches 0 releases 1 contributor

Branch: master New pull request Create new file Upload files Find file Clone or download

hyeon95y Merge pull request #1 from KU-BIG/hwyoo Latest commit 65a61b7 just now

projects	dir structure updated	3 hours ago
README.md	Initial commit	3 hours ago
test.md	test	8 minutes ago

README.md

KUBIG_2018_Autumn