
Github 강의

D:WSEM 프로젝트를 위한 Github 사용 전략

최현준

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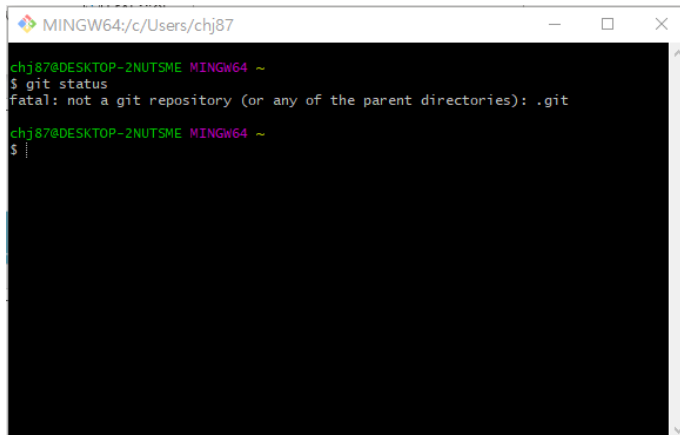
Github & Github Program

Github, Git Kraken, Git Bash

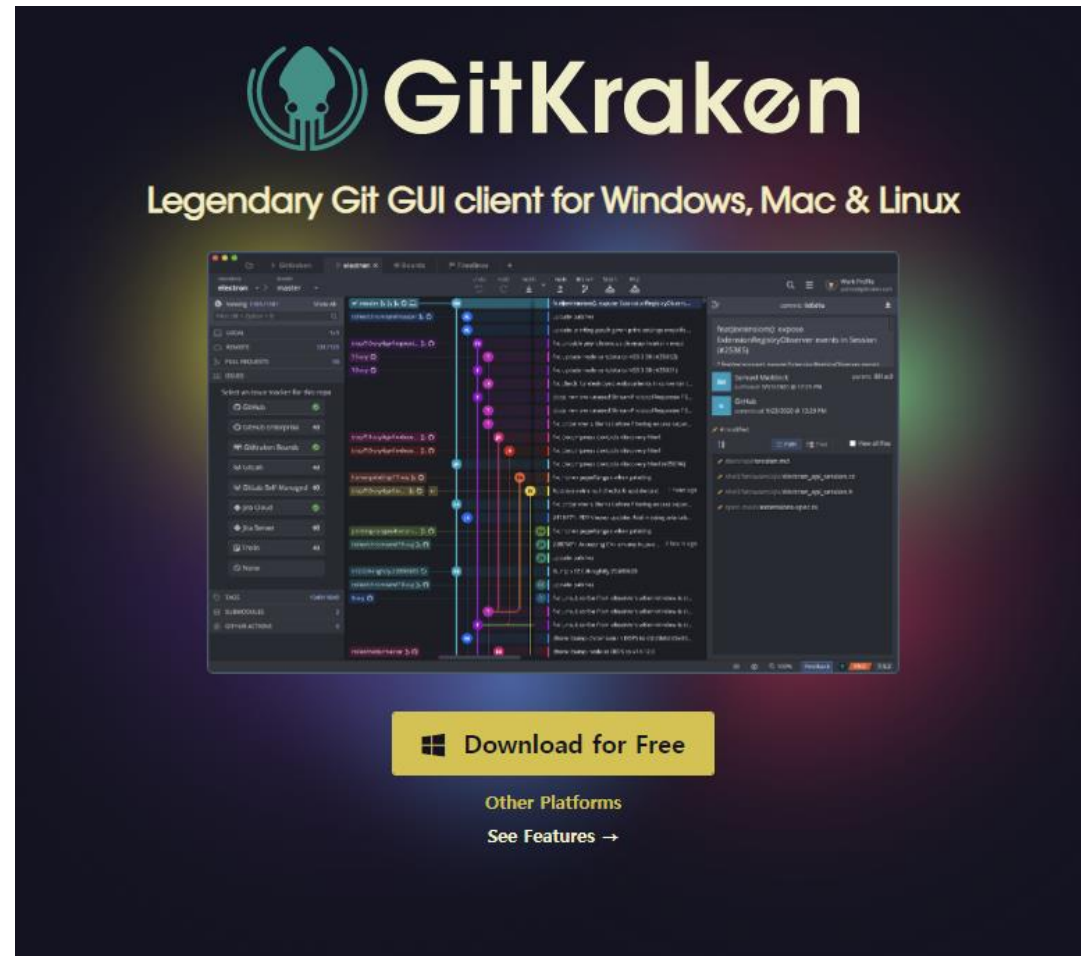
Github : Open Source 보관소.

사용 방법

1. Github Bash
2. Git GUI Tools
ex) Git Kraken 등 ...



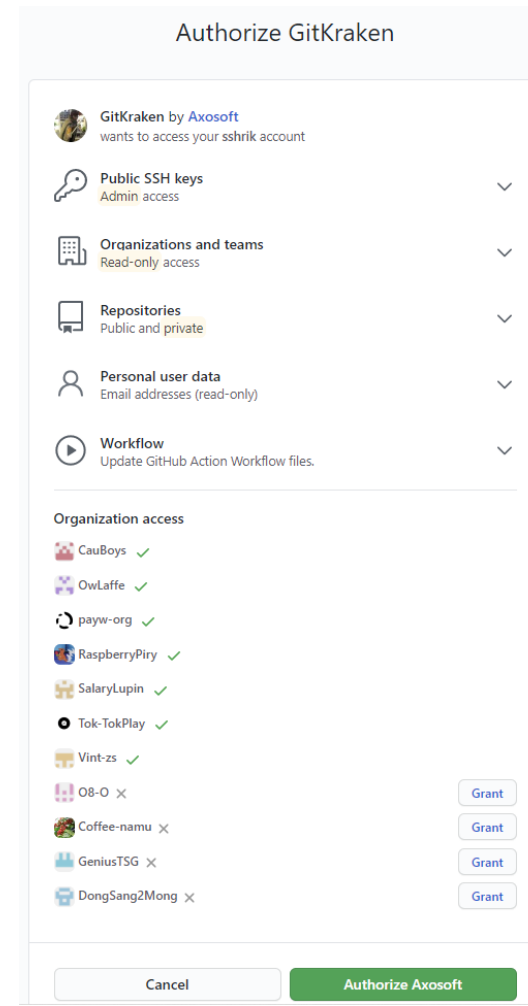
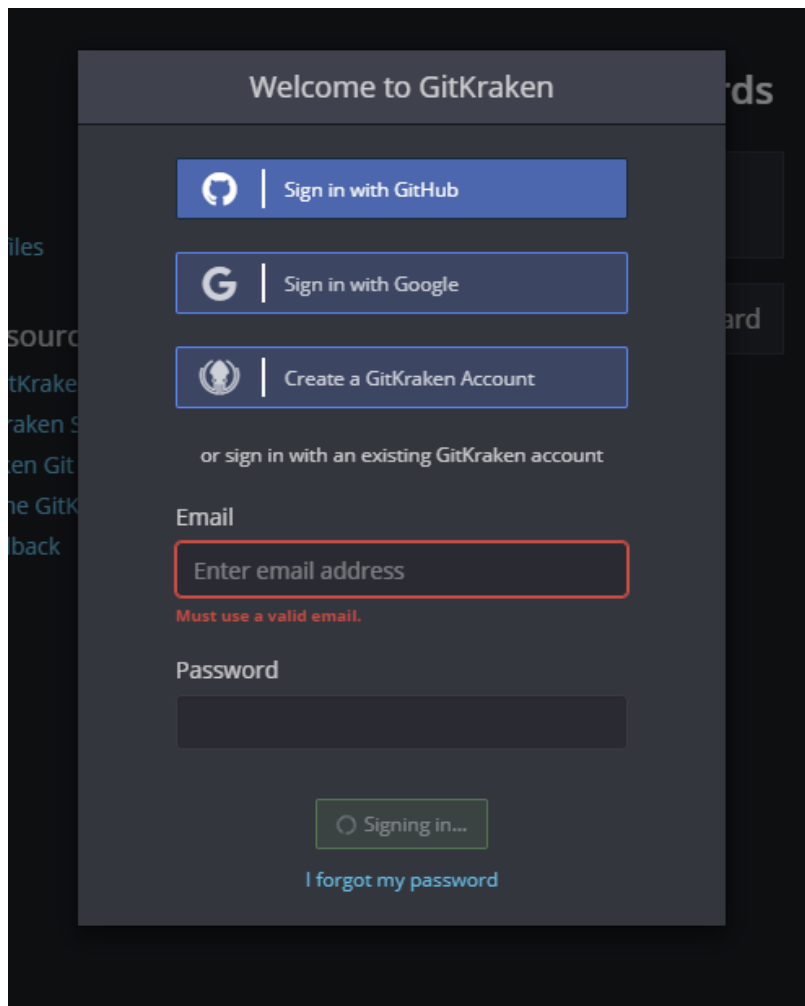
```
MINGW64/c/Users/chj87
chj87@DESKTOP-2NUTSME MINGW64 ~
$ git status
fatal: not a git repository (or any of the parent directories): .git
chj87@DESKTOP-2NUTSME MINGW64 ~
$
```



Github & Github Program

Github, Git Kraken, Git Bash

설치 이후 Sign In Github 진행.



Branch 전략

Terminology

Branch : 독립적으로 개발을 진행하기 위한 작업 공간.
Branch끼리는 서로 영향을 미치지 않기 때문에 한번에 여러 작업을 진행 가능.

Commit : 변경한 이력을 변경한 사람의 ID와 함께 내역을 입력하는 것.

Remote / Origin : 개발자들이 변경한 내역들이 실제로 반영된 저장 공간.

Pull & Push : origin 에서 새로운 내용을 받아오거나 (Pull) 자신의 변경 이력을 올리는 것 (Push)

Pull Request : 개발한 내역을 pull 하기 위한 Git 요청.

Branch 전략

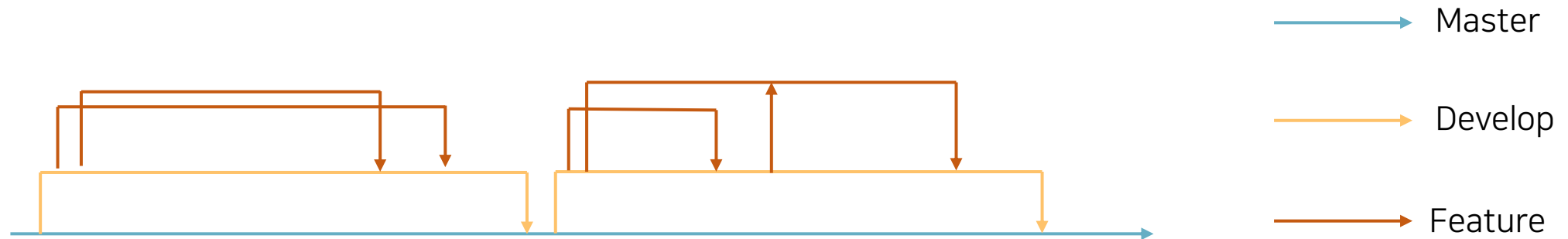
Git Flow

대부분의 사람들이 자주 사용하는 방식.
Master, Develop, Feature로 만들어서 사용한다.

Master : 개발이 끝난 Code 저장 Branch.

Develop : 개발이 진행되는 큰 줄기의 Branch.
ex) develop/Django_DB, develop/integration

Feature : 개발이 실제로 진행되는 Branch.
ex) feature/Django_DB_init, feature/integration_python_version

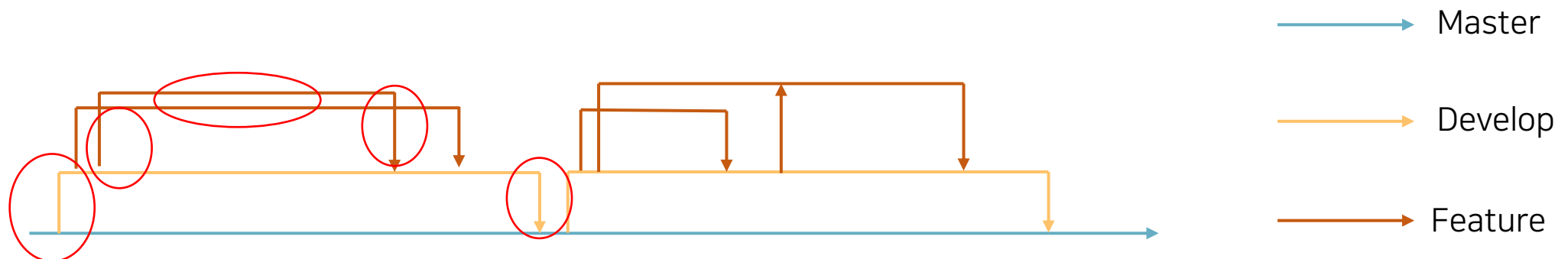


Branch 전략

Git Flow


Branch를 사용한 개발을 다음처럼 진행됨.

1. 만들 기능 선택.
2. 해당 기능에 적절한 develop을 선택 혹은 생성.
3. 해당 기능에 적절한 feature를 생성.
4. 개발 진행
5. feature를 develop에 pull request 이후 merge.
6. develop을 master에 pull request 이후 merge.



Git Flow

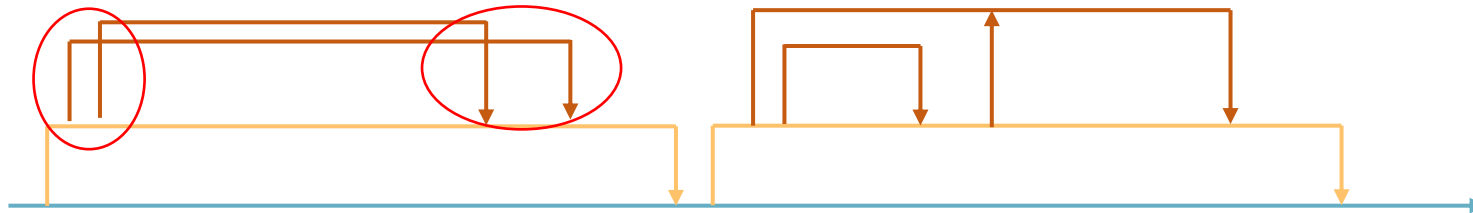
각 feature를 만드는 기능은 서로에게 영향을 주면 안됨.



Master

Develop

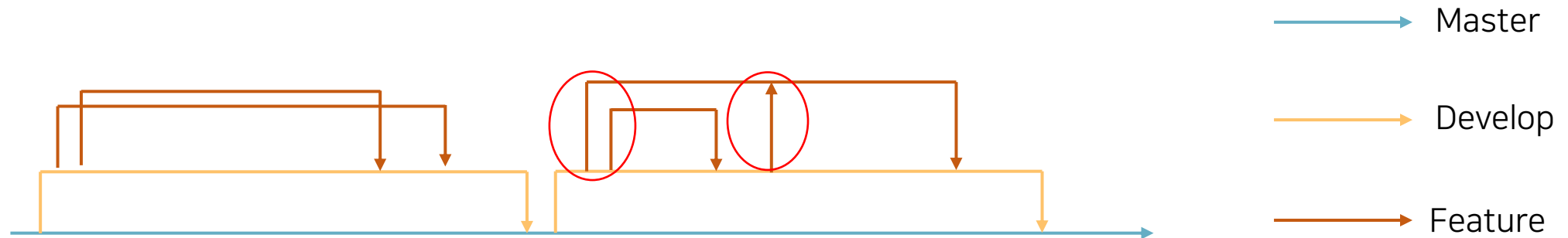
Feature



Branch 전략

Git Flow

만약 다른 feature 에서 필요한 큰 feature 기능이 있다면, 그 feature branch 에서 구현하는 것이 아니라 다른 feature 에서 구현을 하고, develop에서 해당 feature로 Pull Request.

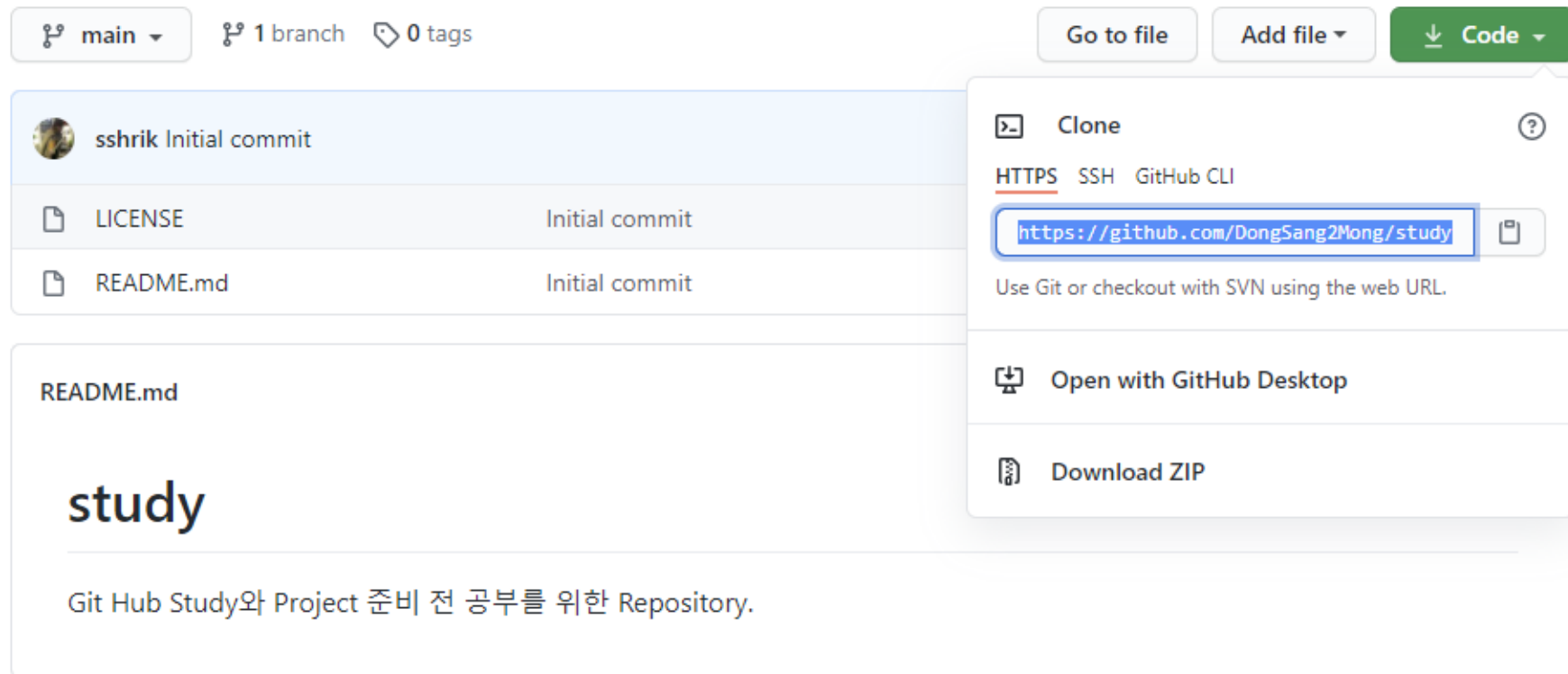


실습

각자 한 과제를 develop 에서 feature branch 를 만들고 Commit 하는 연습.

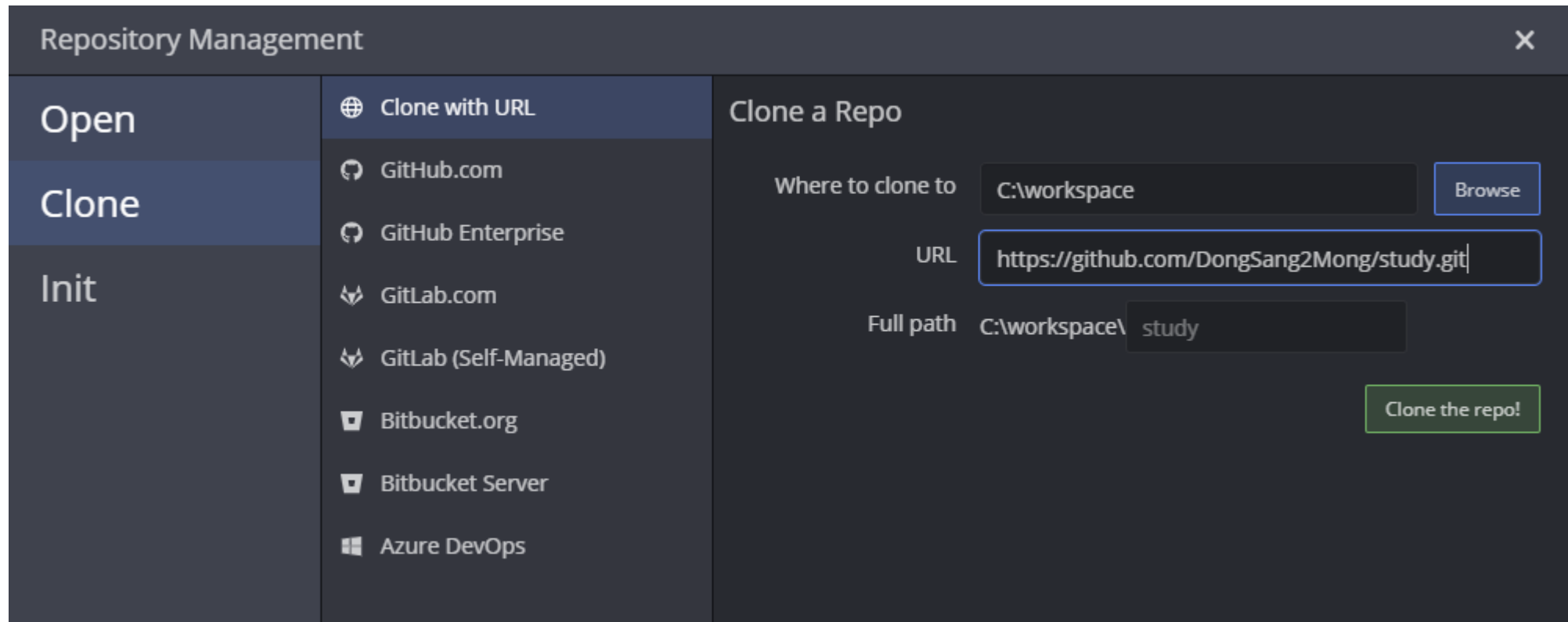
실습

Clone : Git hub Link에서 본인의 컴퓨터로 받아오는 기능.



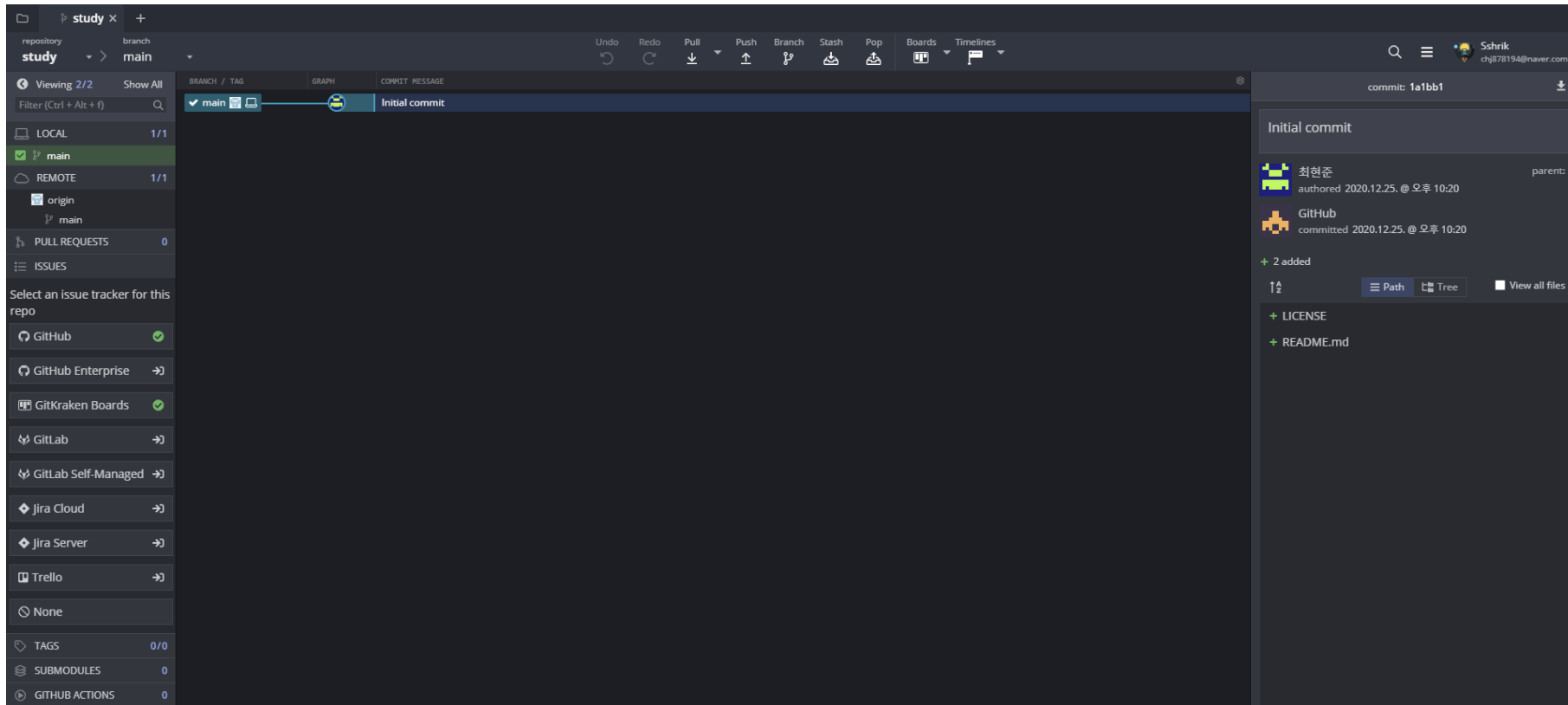
실습

Clone : Git hub Link에서 본인의 컴퓨터로 받아오는 기능.



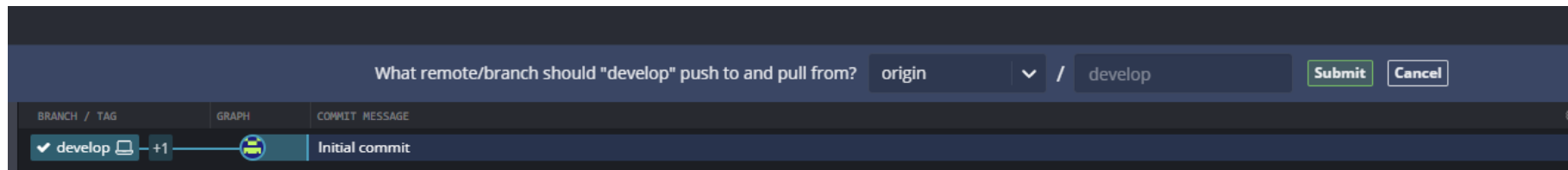
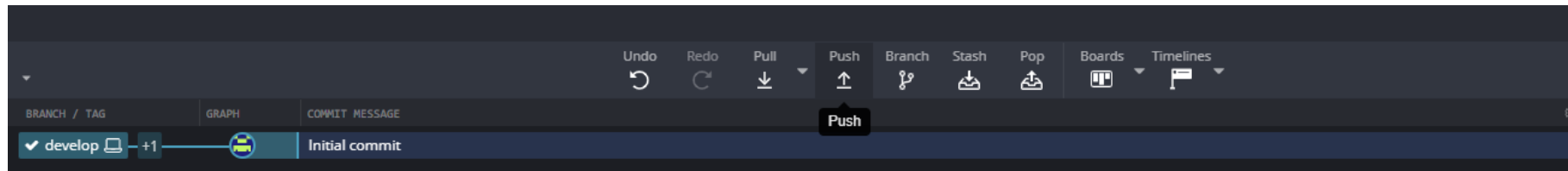
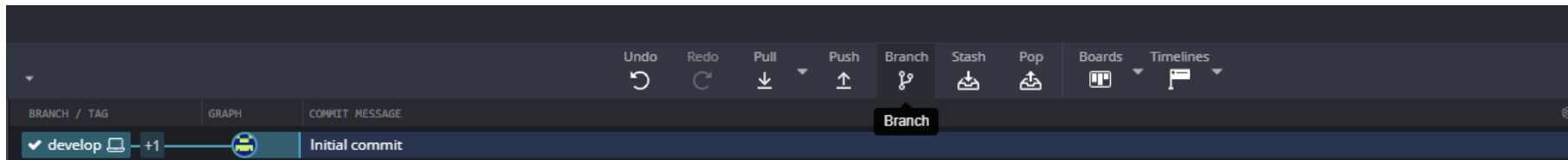
실습

Clone : Git hub Link에서 본인의 컴퓨터로 받아오는 기능.



실습

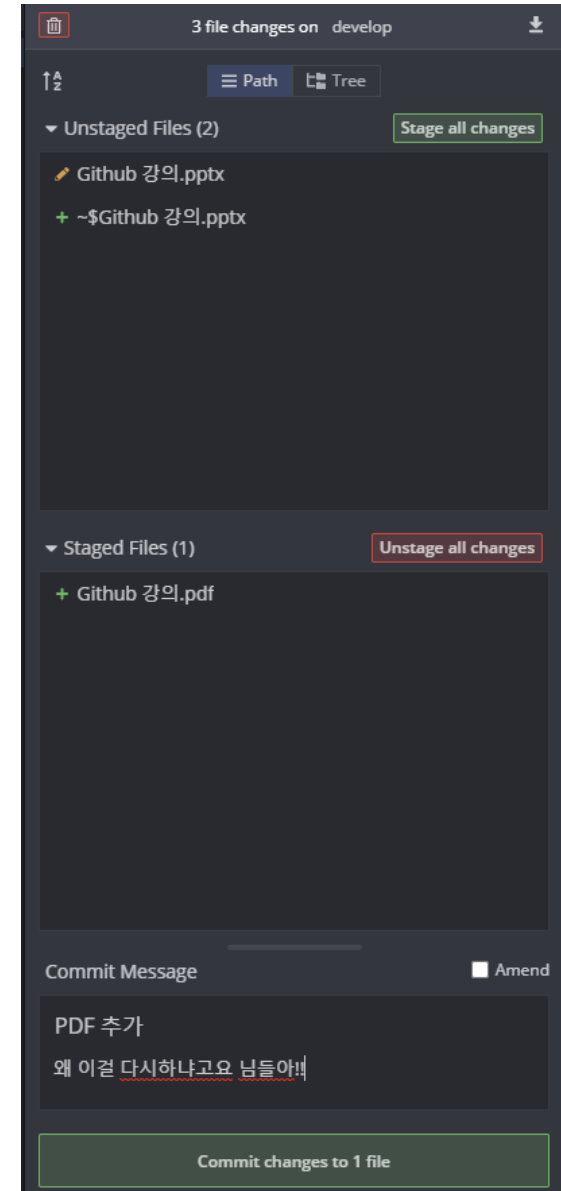
Branch 를 눌러서 branch 를 만들고, Branch 를 원격 저장소에 저장하기.



실습

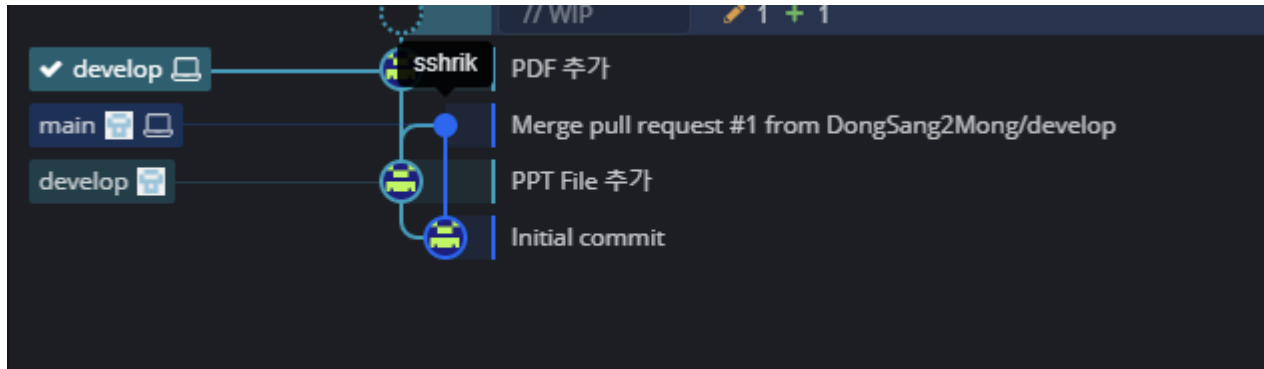
Commit Log 작성

Stage : 자신이 변경한 이력을 Commit 로그에 추가하겠다는 의미.



실습

Commit Log 작성



실습

Pull Request 작성.
본인이 변경한 branch와 merge 할
branch를 잘 생각하고 변경.

The screenshot shows the 'Create Pull Request' dialog in a code editor. The left sidebar displays the repository structure with 'develop' selected. The main panel has tabs for GitHub, GitLab, and Bitbucket. The 'From Repo' and 'To Repo' dropdowns are set to 'Select...'. The 'Branch' dropdowns are also set to 'Select...'. The 'Title' field contains 'Pull request title' and the 'Description' field contains 'Pull request description'. At the bottom, there is a 'Submit as draft' checkbox and two buttons: 'Cancel' and 'Create Pull Request'.

실습

변경 이력을 나타내는 문구를 작성하고 하단 버튼 클릭.

Create Pull Request

GitHub

GitLab

Bitbucket

From Repo

DongSang2Mong/study

To Repo

DongSang2Mong/study

Branch

develop

Branch

main

Title

PDF 추가

Description

왜 이걸 다시하냐고요 님들아!!
이것좀보세요 으아아아악!!

Reviewers

kongsoonAB

NonokEE

owlsogul

Assignees

Add assignees...

Labels

Add labels...

GitKraken Card

Search cards...

☐ Submit as draft

Cancel

Create Pull Request

실습

상단 메뉴중 pull request를 선택.

DongSang2Mong / study

Unwatch 1Star 0Fork 0

<> CodeIssuesPull requests 1ActionsProjectsWikiSecurityInsightsSettings

Label issues and pull requests for new contributorsDismiss

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

Filters is:pr is:openLabels 9Milestones 0New pull request

☐ 1 Open ✓ 1 Closed

AuthorLabelProjectsMilestonesReviewsAssigneeSort

☐ PDF 추가

#2 opened 31 seconds ago by sshrik


실습


문제가 없다면 하단 merge pull Request 버튼을 눌러서 진행.

PDF 추가 #2

 Open sshrik wants to merge 1 commit into `main` from `develop` 

 Conversation 0

 Commits 1

 Checks 0

 Files changed 1



sshrik commented 1 minute ago

Member



왜 이걸 다시하냐고요 남들아!!
이것좀보세요 으아아아악!!



PDF 추가 ...

470b6b5



sshrik requested review from kongsoonAB, NonokEE and owlsogul 1 minute ago

Add more commits by pushing to the `develop` branch on `DongSang2Mong/study`.



Review requested

[Show all reviewers](#)

Review has been requested on this pull request. It is not required to merge. [Learn more](#).



3 pending reviewers



Continuous integration has not been set up

[GitHub Actions](#) and [several other apps](#) can be used to automatically catch bugs and enforce style.



This branch has no conflicts with the base branch

Merging can be performed automatically.

Merge pull request



You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

실습

Pull Request 가 성공적으로 끝난다면 아래처럼 된다.



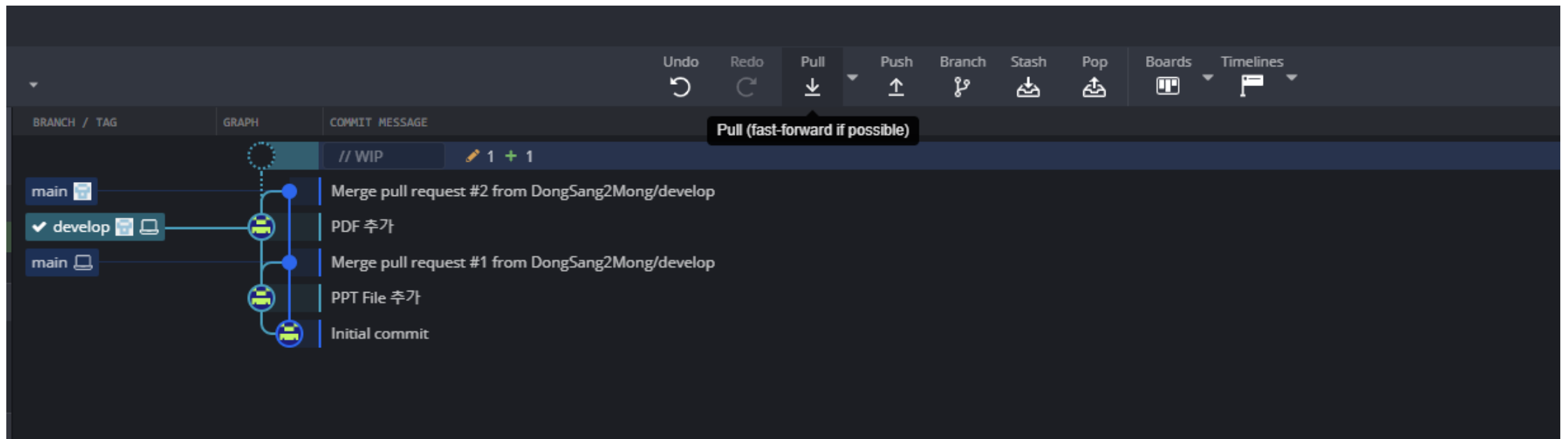
Pull request successfully merged and closed

You're all set—the `develop` branch can be safely deleted.

Delete branch

실습

Pull 버튼을 눌러서 아래처럼 되는지 확인 해 보자.



Thank you for watching.
