Lab 01
How to Survive & Introduction to Git

Software Studio
DataLab, CS, NTHU

Notice

- These slides will focus on how to submit you code by using Git command line

- You can also use other Git GUI tool or built-in Git tool in other IDE/editor

Teaching Assistants

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Sheng-Ya Chiu

邱聖雅

Zhao-Jie Chen

陳昭潔

How to Find Us?

- Office Hour (TAs)
  - Tue. 10:10am-12:00pm at Delta 729
- Email
  - Yu-Hsuan Chen : yhch@datalab.cs.nthu.edu.tw
  - Sheng-Ya Chiu : sych@datalab.cs.nthu.edu.tw
  - Zhao-Jie Chen: zjchen@datalab.cs.nthu.edu.tw
- Online Forum
  - eeclass


Google

If I have Question?

- Always Google first !
  - Learn how to google is important.
- If you try your best but still can’t catch it.
  - Feel free to ask us on eeclass or office hour.

Outline

- General Rule
- Introduction to Git
    - Version control
    - Git Basics
    - Try Git!
    - Remote Repositories
- How to Submit Your Code to Gitlab
- Tools & References

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The Policy of Labs

- **All labs need to be submitted to GitLab.**
- Late submission will **not** be accepted.
- Plagiarism will not be tolerated.
  - If we find you copy someone's code, you will get **0 point** for that lab.
- Grading
  - Submission before lab ends gets 100% score
  - Submission before **11:59pm** gets 60% score

Grading Example

- 4 problems, 25% each
- Solved 4 during the lab
  - 100
- Solved 3 during the lab, 1 before 11:59pm
  - 75 + 25*0.6 = 90
- Solved 4 after the lab, before 11:59pm
  - 100 * 0.6 = 60

Team Up

- 3~6 people each team
  - 3 people is accepted if you can do as well as others.
- Please register your team here before **3/7 23:59**
  - Register form : Teaming
  - After that day we will match the rest student.

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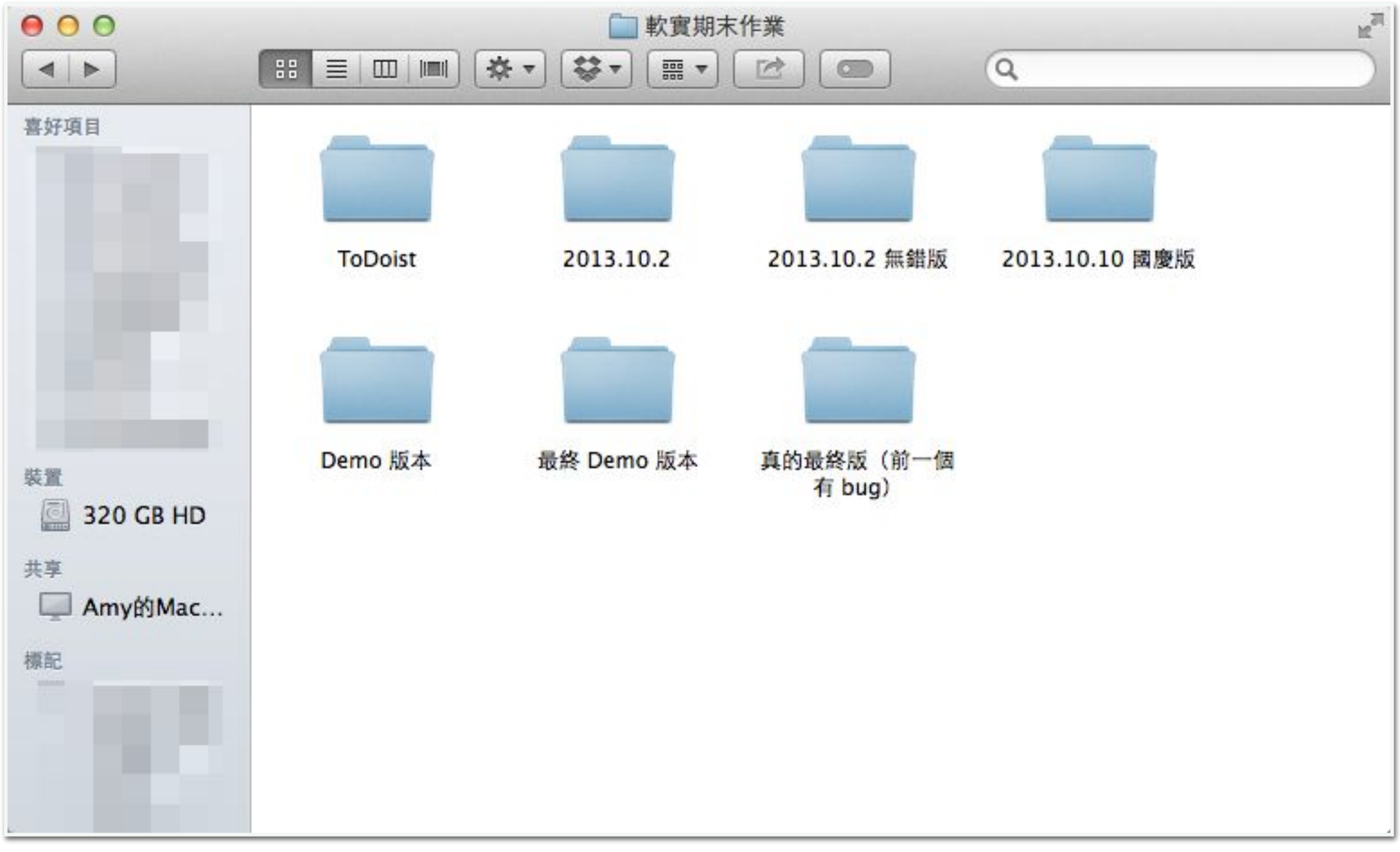
Why use version control?

We want to track what we did and when we did it.

Students' VCS

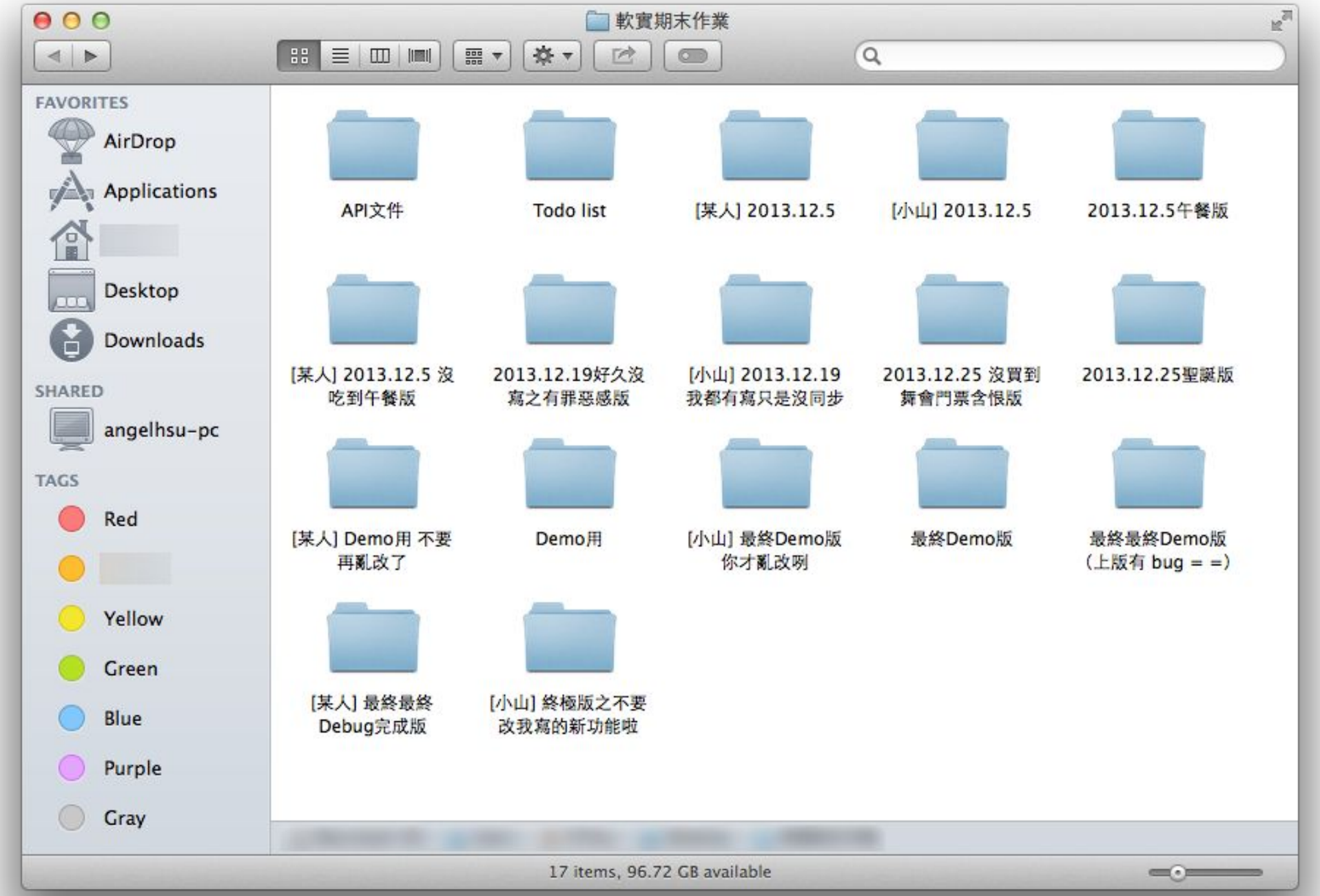


How to work with others?

?

?

Dropbox VCS in Reality



Why use VCS?

- Managing your projects - tracking your files and modifications.
- Synchronization between modifications made by different developers.
- Revision history is still very helpful even if you work alone.

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Git

Git

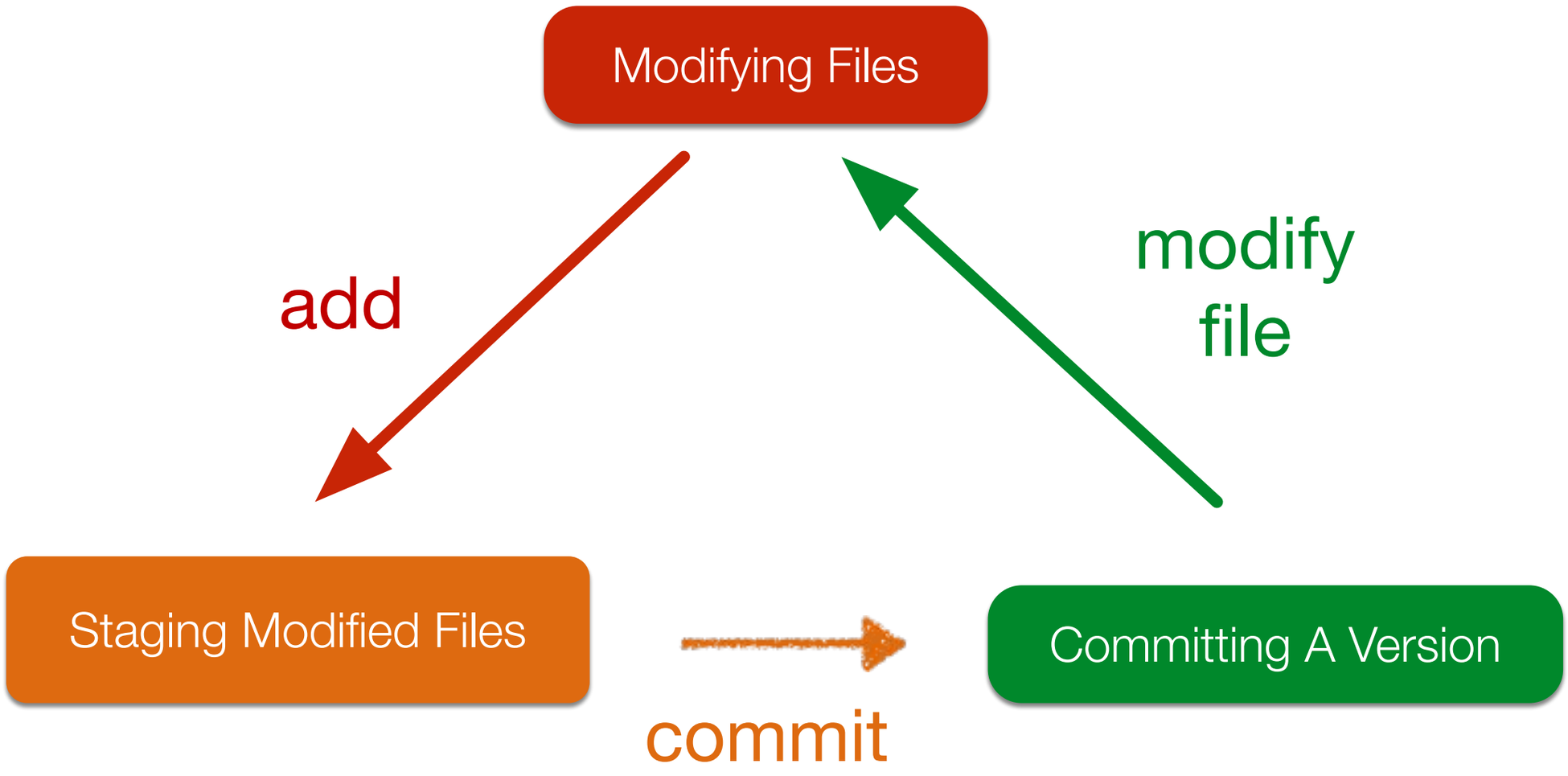
- Git is a popular version control system which is
    - Fast
    - Easy to use
    - Distributed
- A git repository is a mini database that tracks your files.

Git Workflow (1/2)

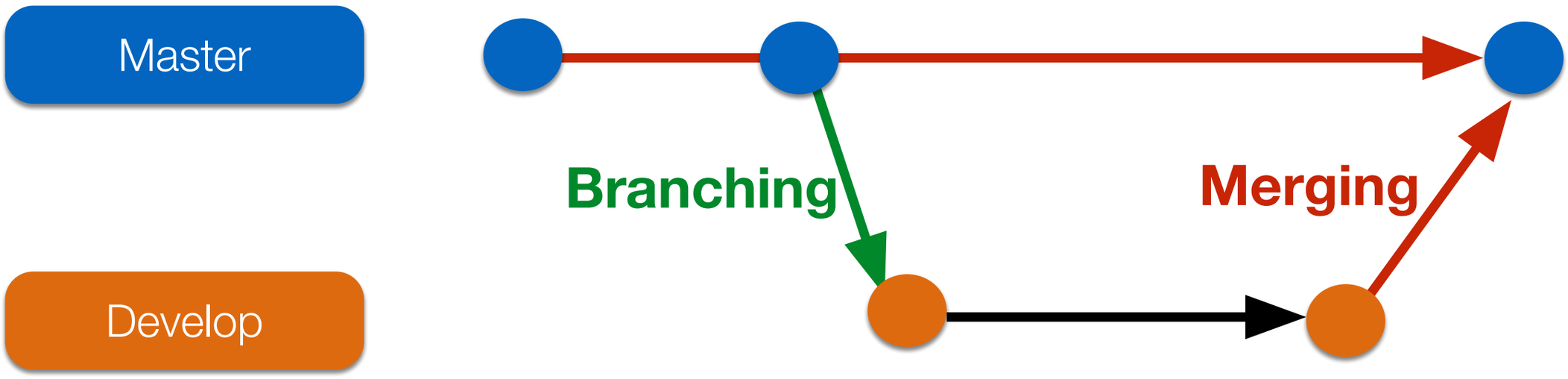
- With a local repository in your computer, you'll need following operations to make git track your work:

1. Create/modify files
2. Let git monitor the files by *adding* them to staging files.
3. *Commit* your changes to and git will create snapshots (versions) of the files for you.

Git Workflow (2/2)



Git Branch



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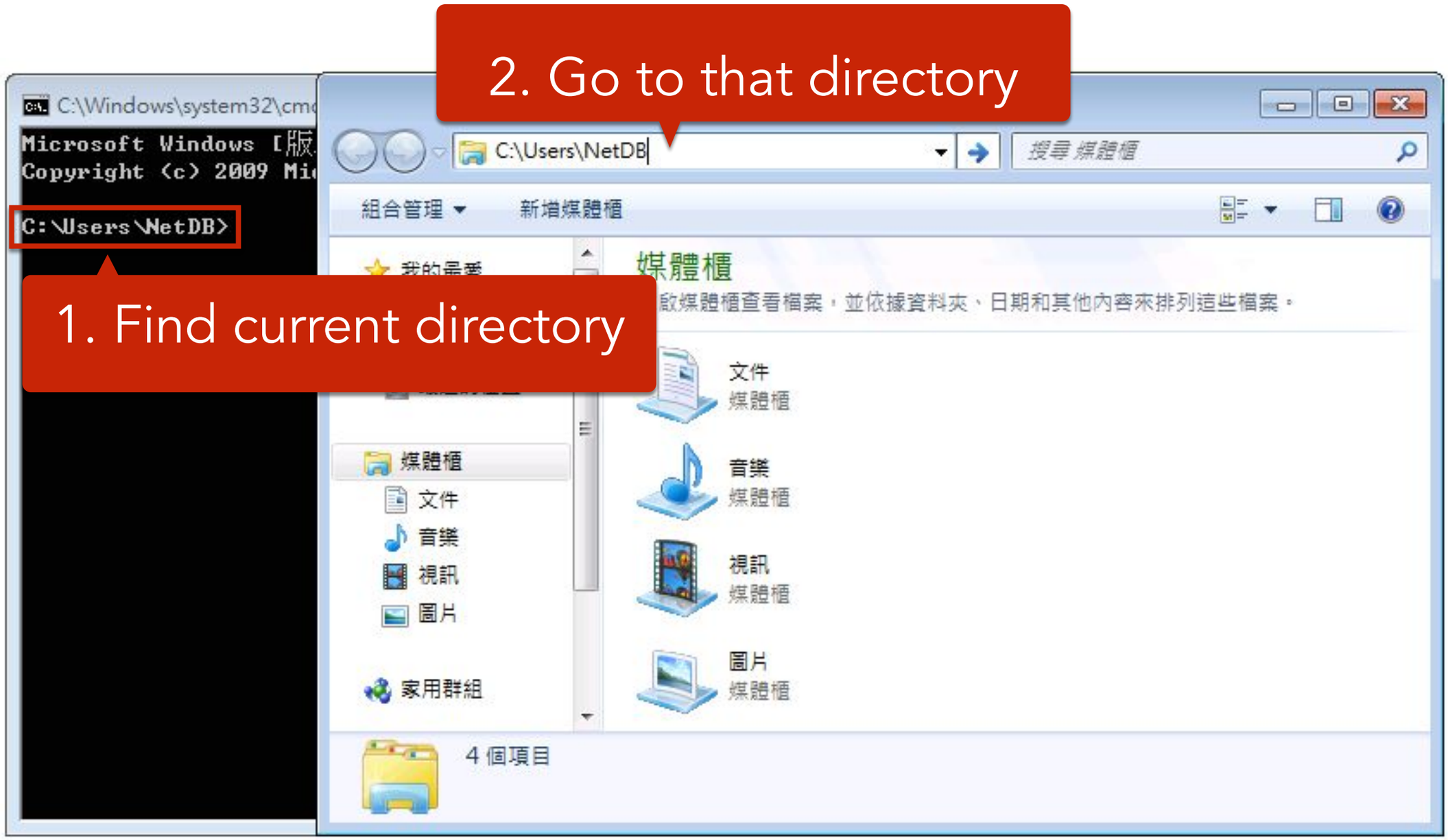
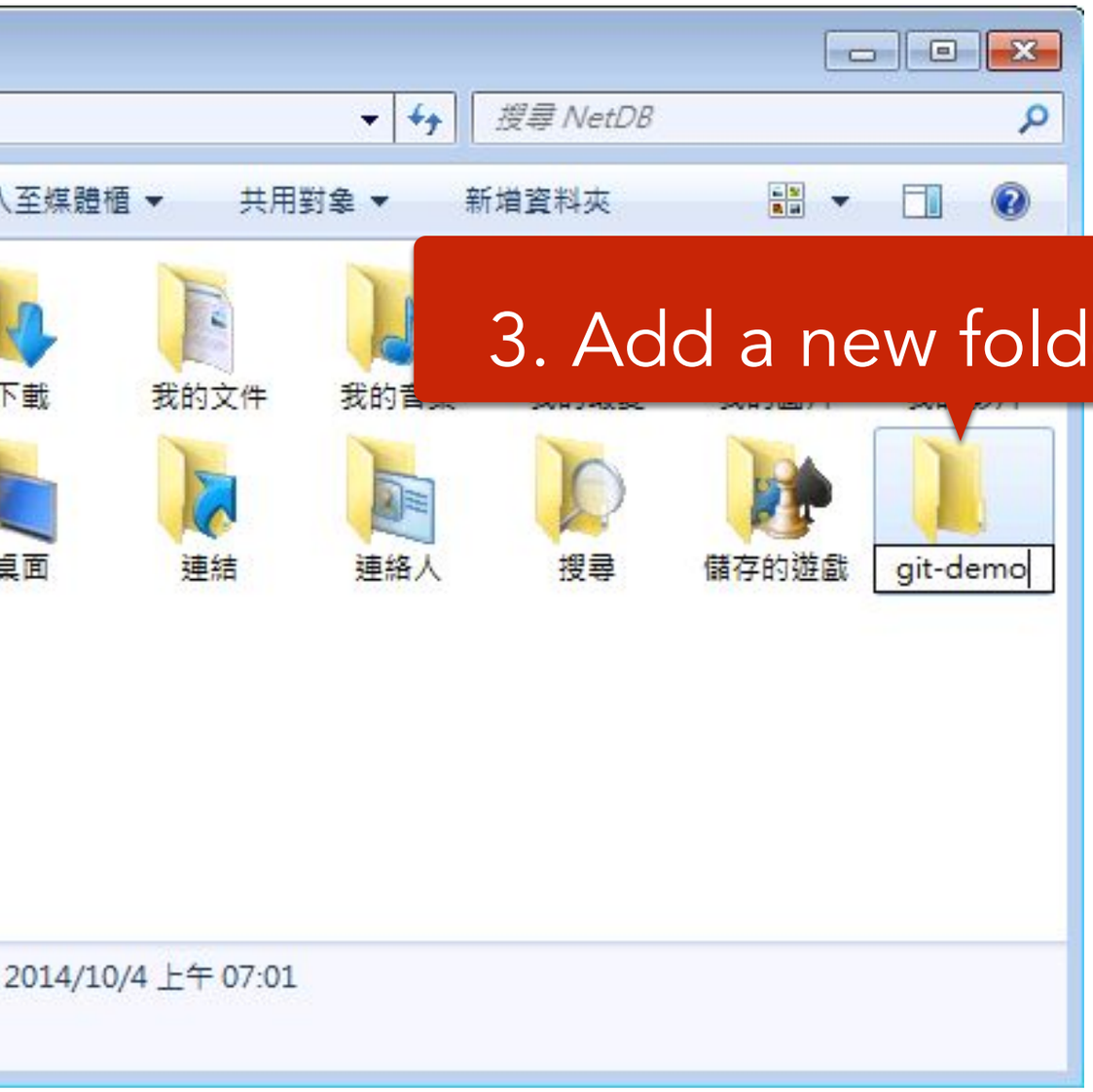
Be Professional

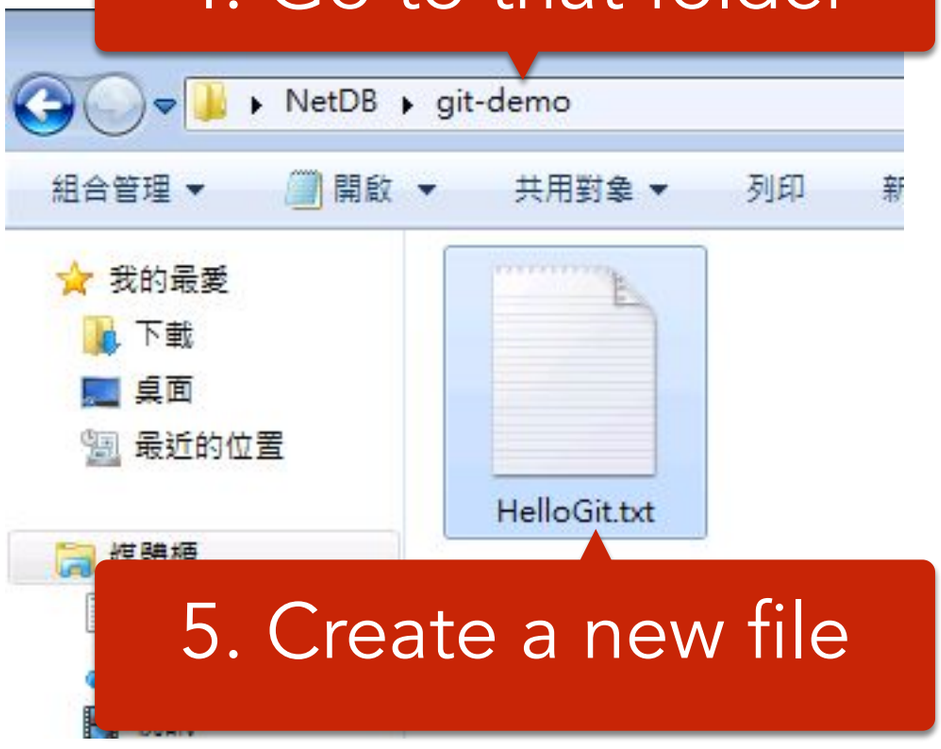
Basic Git Commands

- **git init**
  - Initialize a repository at current directory.
- **git add [file_name]**
  - Add files to git repository and let git track them.
- **git commit -m "commit messages"**
  - Save the changes to the git repository and create snapshots of the files.
- **git checkout [version]**
  - Go to a specific version.


2. Go to that directory
1. Find current directory
C:\Windows\system32\cmd
Microsoft Windows [版
Copyright (c) 2009 Mi
C:\Users\NetDB>
C:\Users\NetDB
搜尋 媒體櫃
組合管理
新增媒體櫃
媒體櫃
啟媒體櫃查看檔案，並依據資料夾、日期和其他內容來排列這些檔案。
文件
媒體櫃
音樂
媒體櫃
視訊
媒體櫃
圖片
媒體櫃
媒體櫃
文件
音樂
視訊
圖片
家用群組
4 個項目

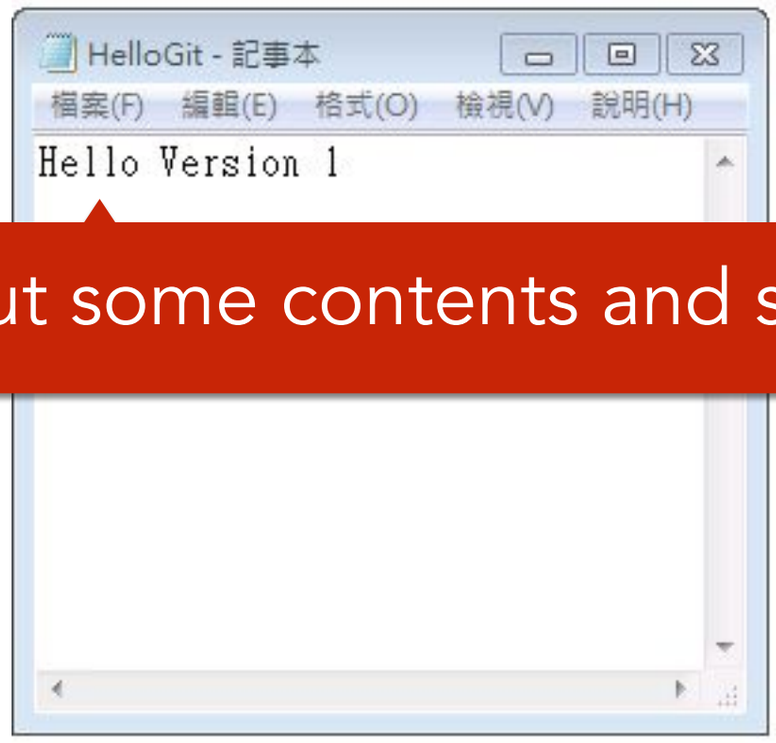


3. Add a new folder

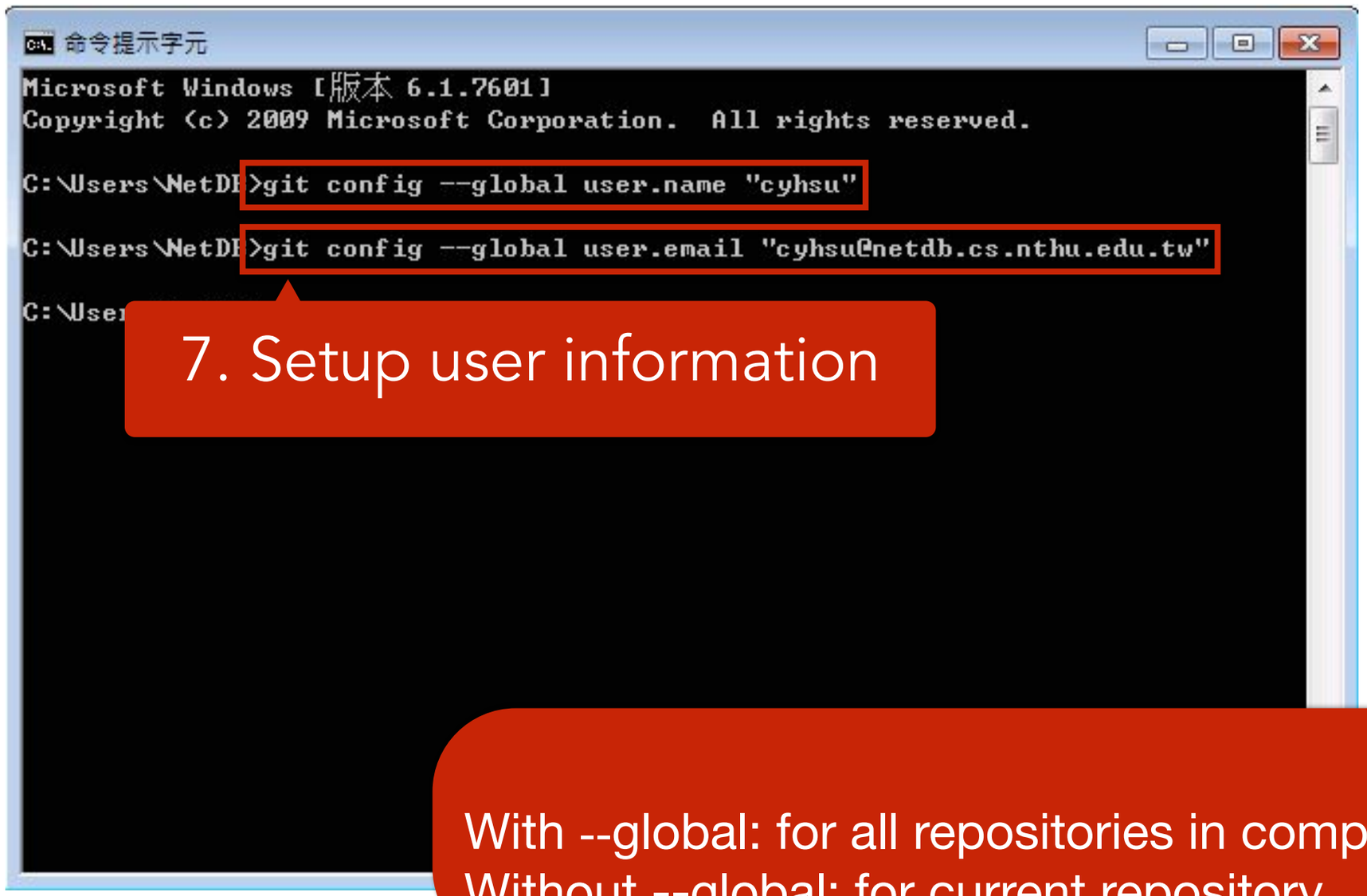


4. Go to that folder

5. Create a new file

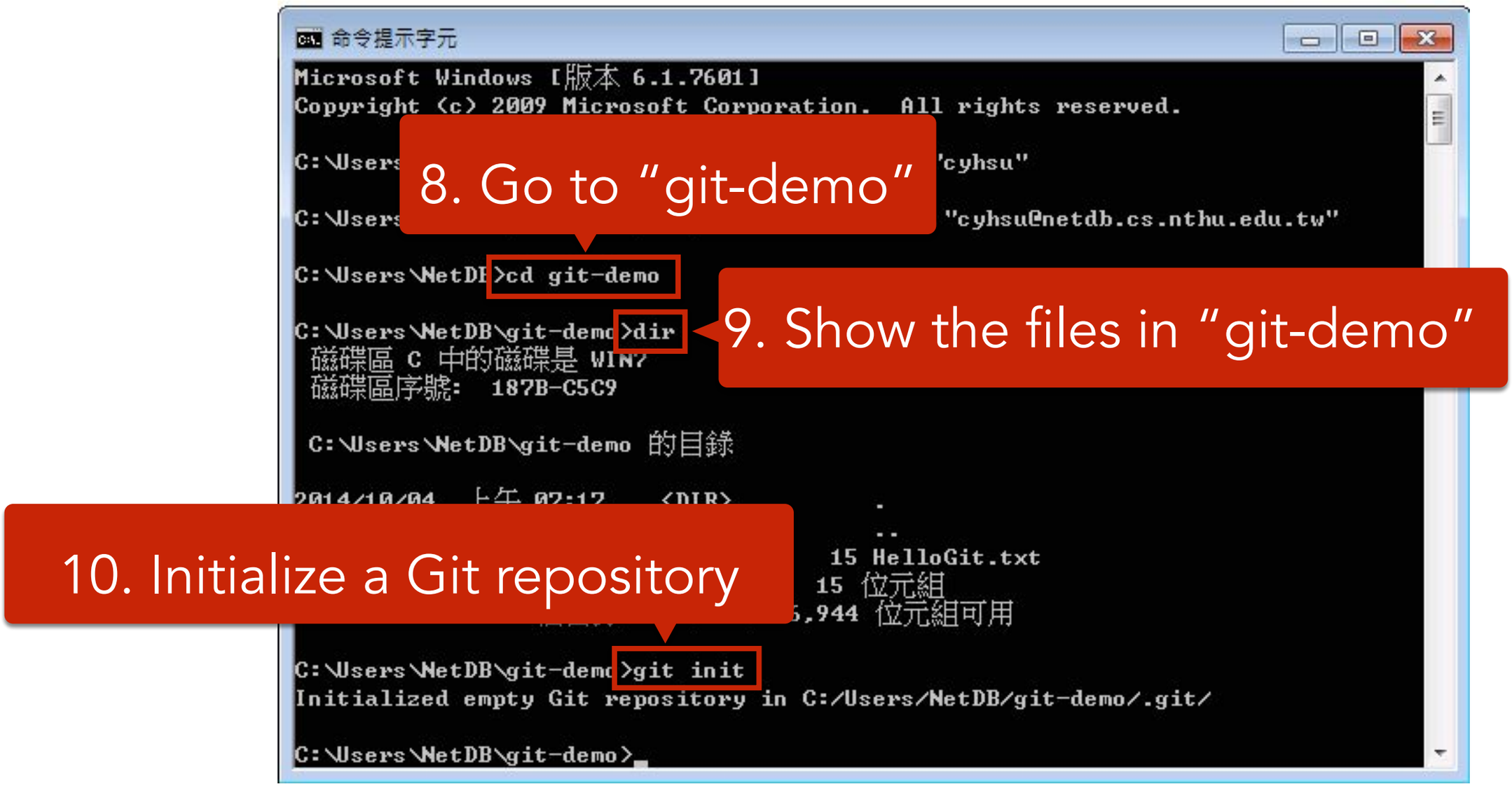


6. Put some contents and save

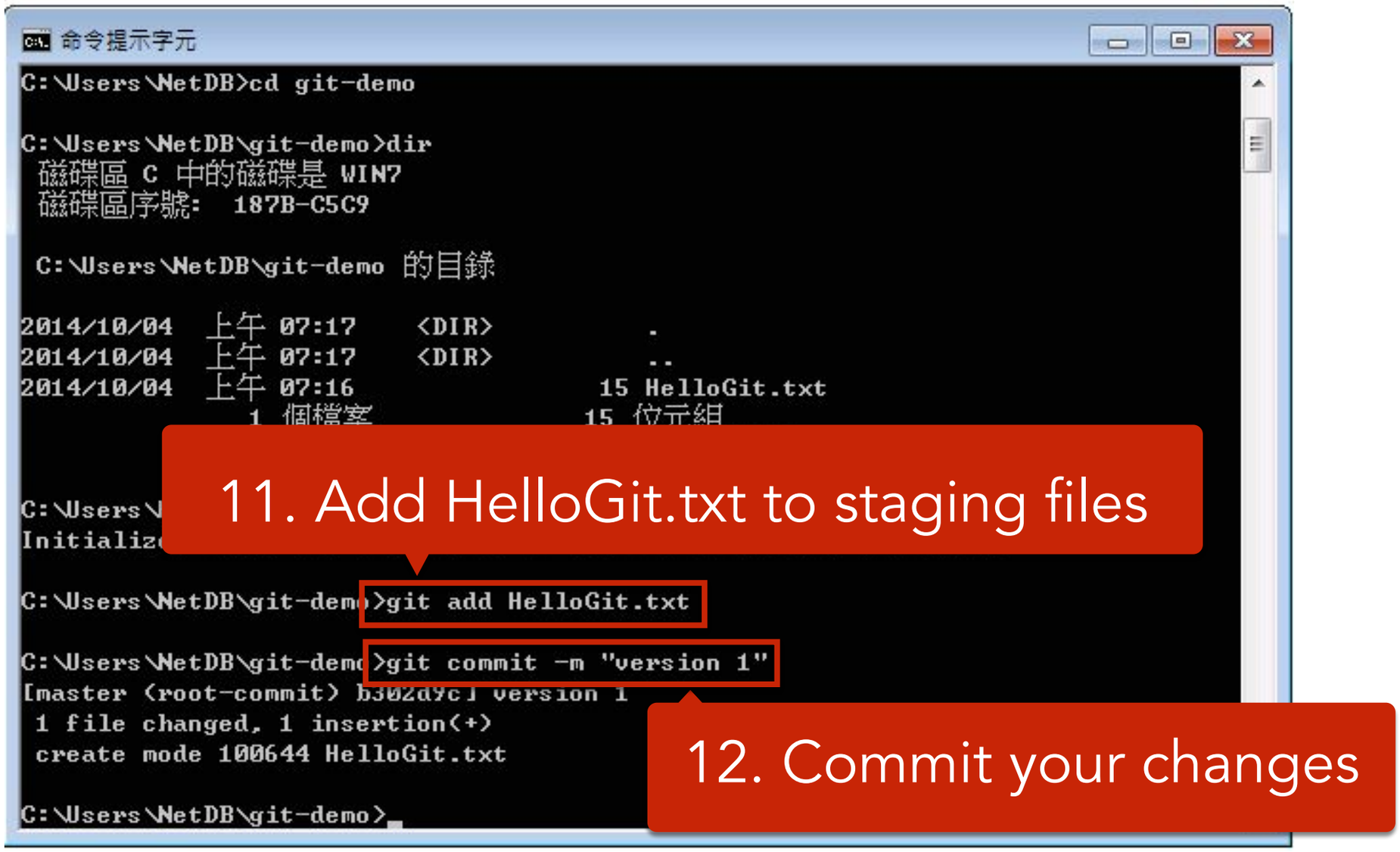


With --global: for all repositories in computer
Without --global: for current repository

```
$ git config --global user.name "name"
$ git config --global user.email "email"
```




```
$ cd git-demo    # go to git-demo directory
$ dir            # list the files
$ git init       # initialize a repository
```

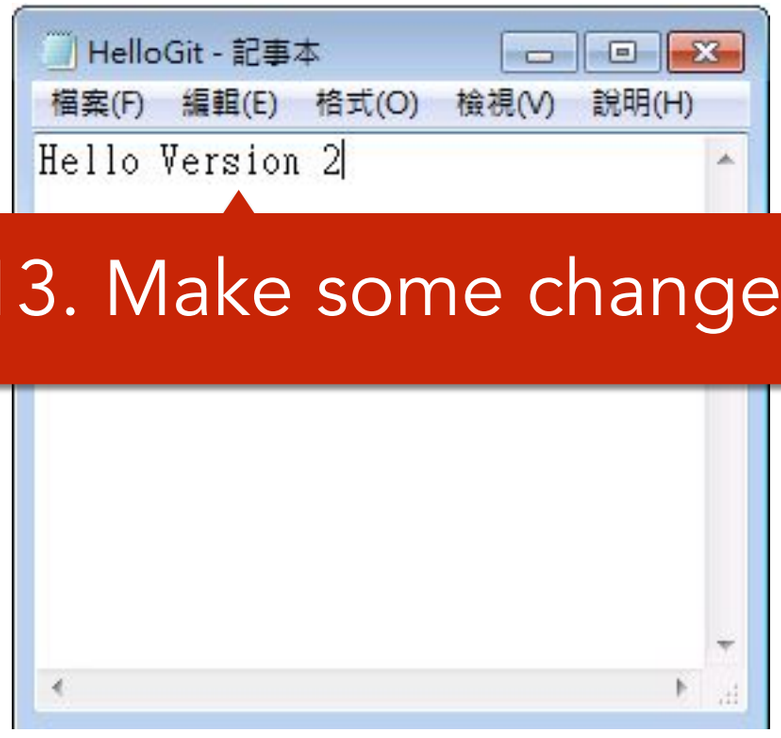


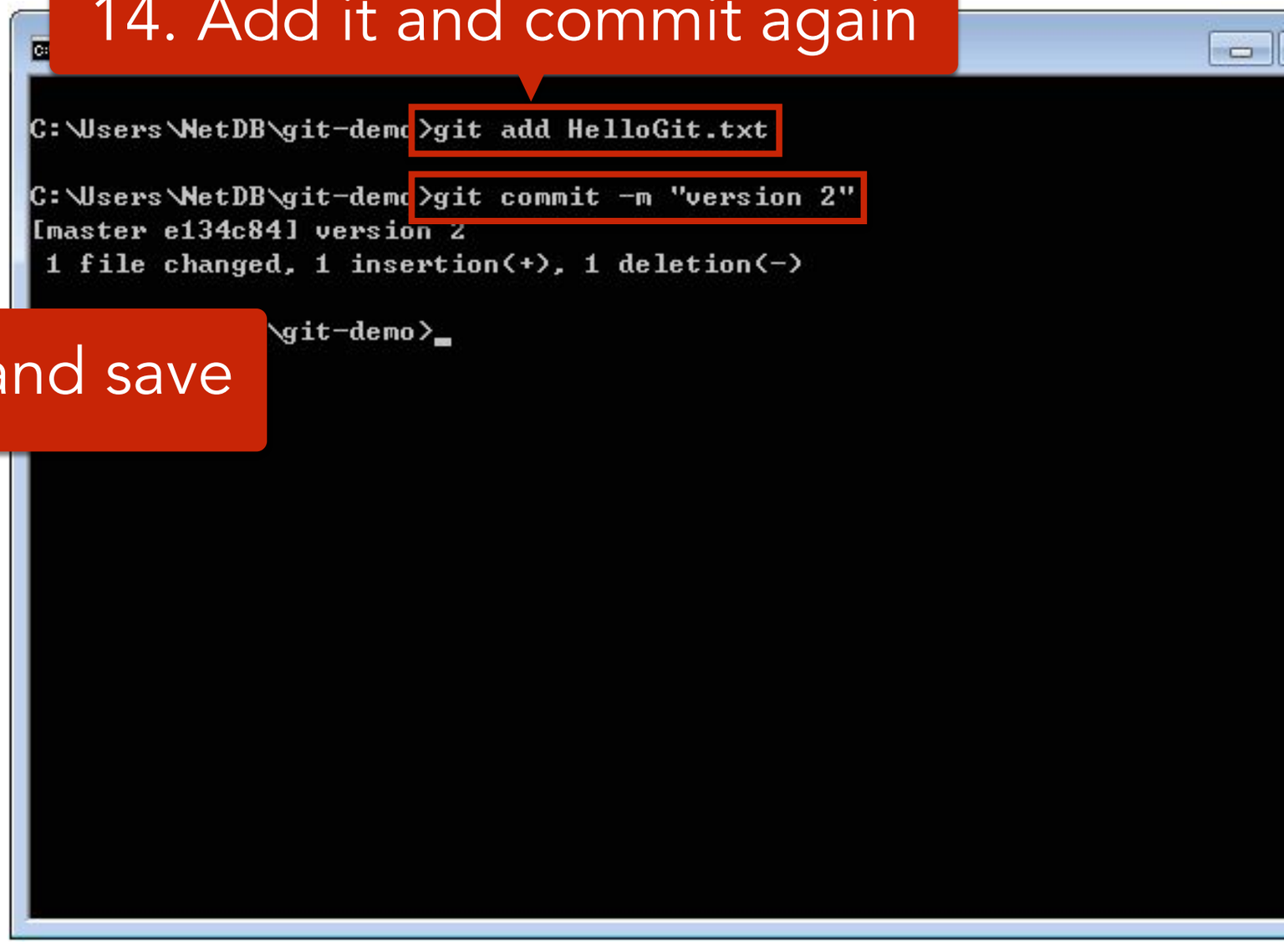

```
# Add HelloGit.txt to staging files
$ git add HelloGit.txt

# Commit the changes to the repository
# where "version 1" is the commit message
$ git commit -m "version 1"
```

14. Add it and commit again

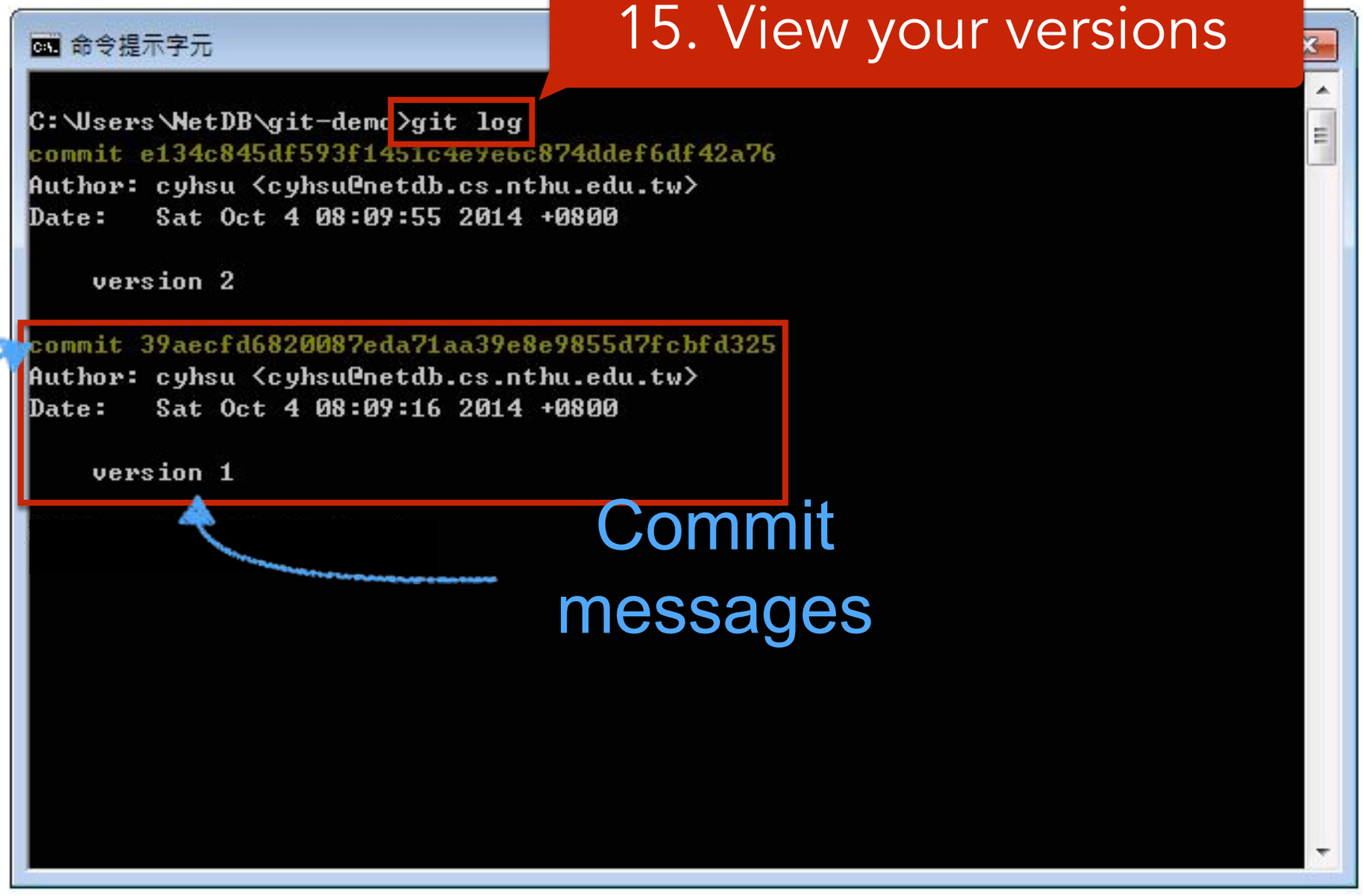
13. Make some changes and save





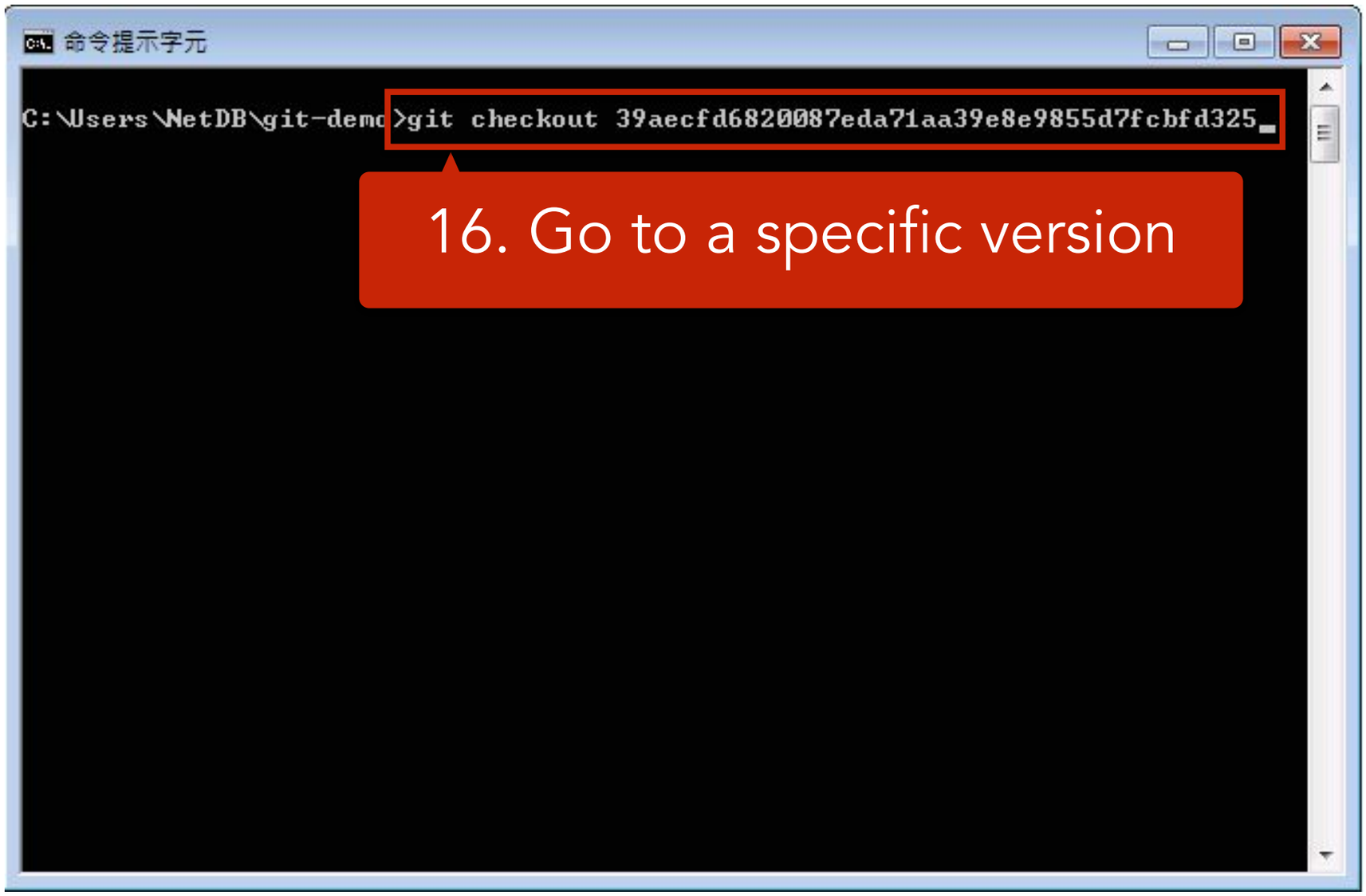
15. View your versions

Version ID



Commit messages

```
# Show the versions you've created so far
$ git log
```

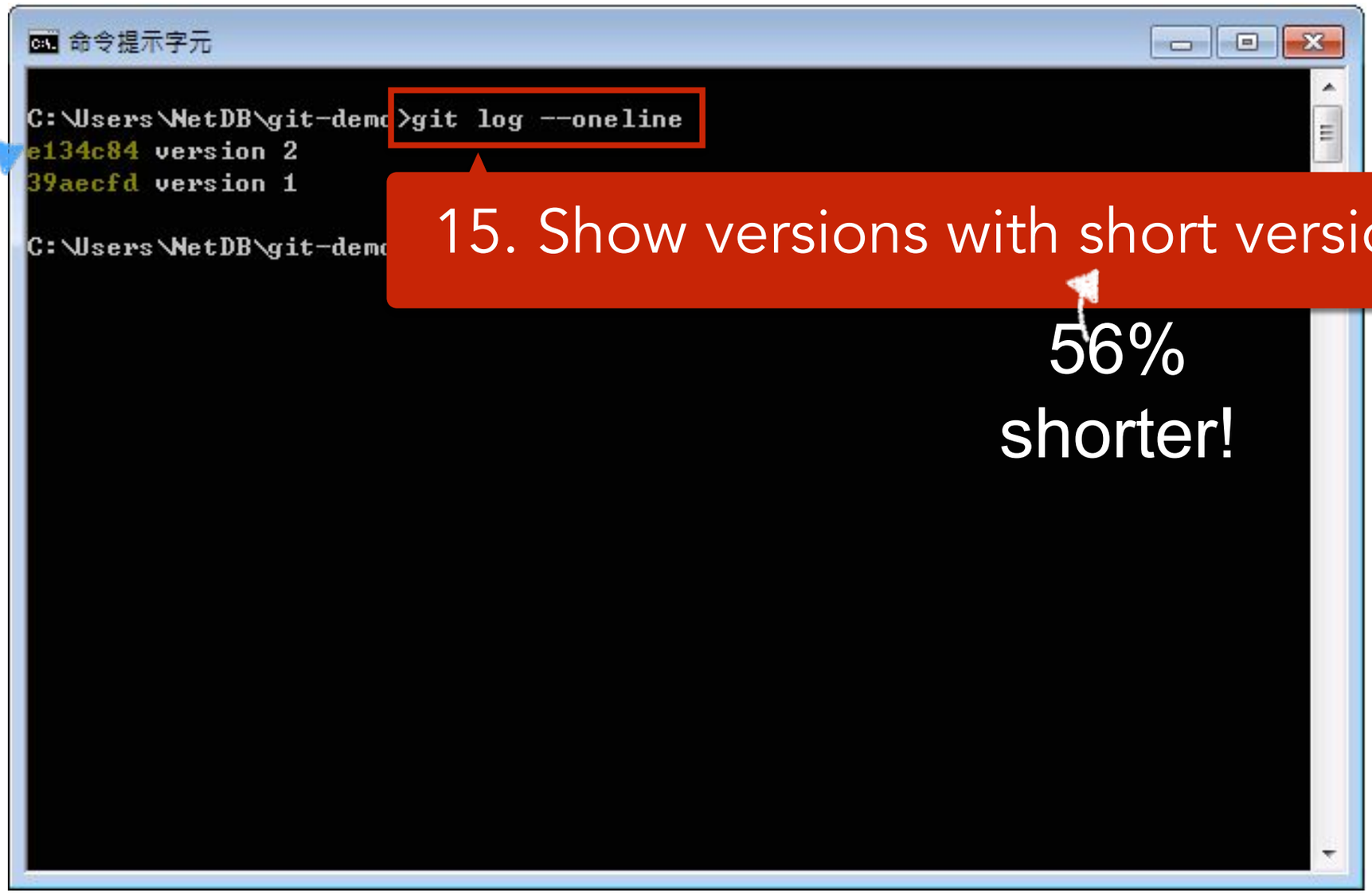



```
# Go to a specific version
$ git checkout {version_id}
```

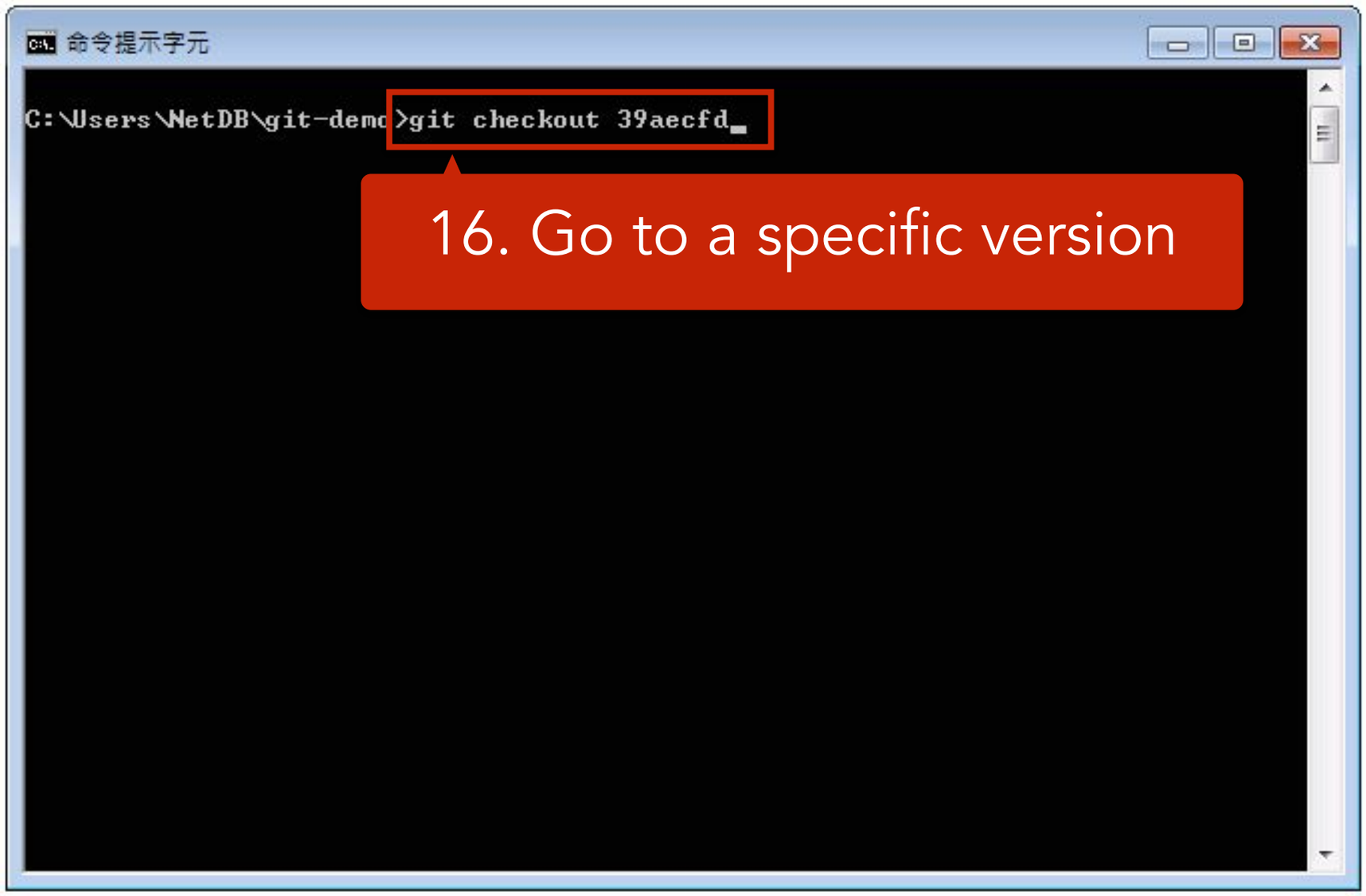
LIFE IS TOO SHORT TO TYPE THAT VERSION ID*!*

which is 40 characters long…

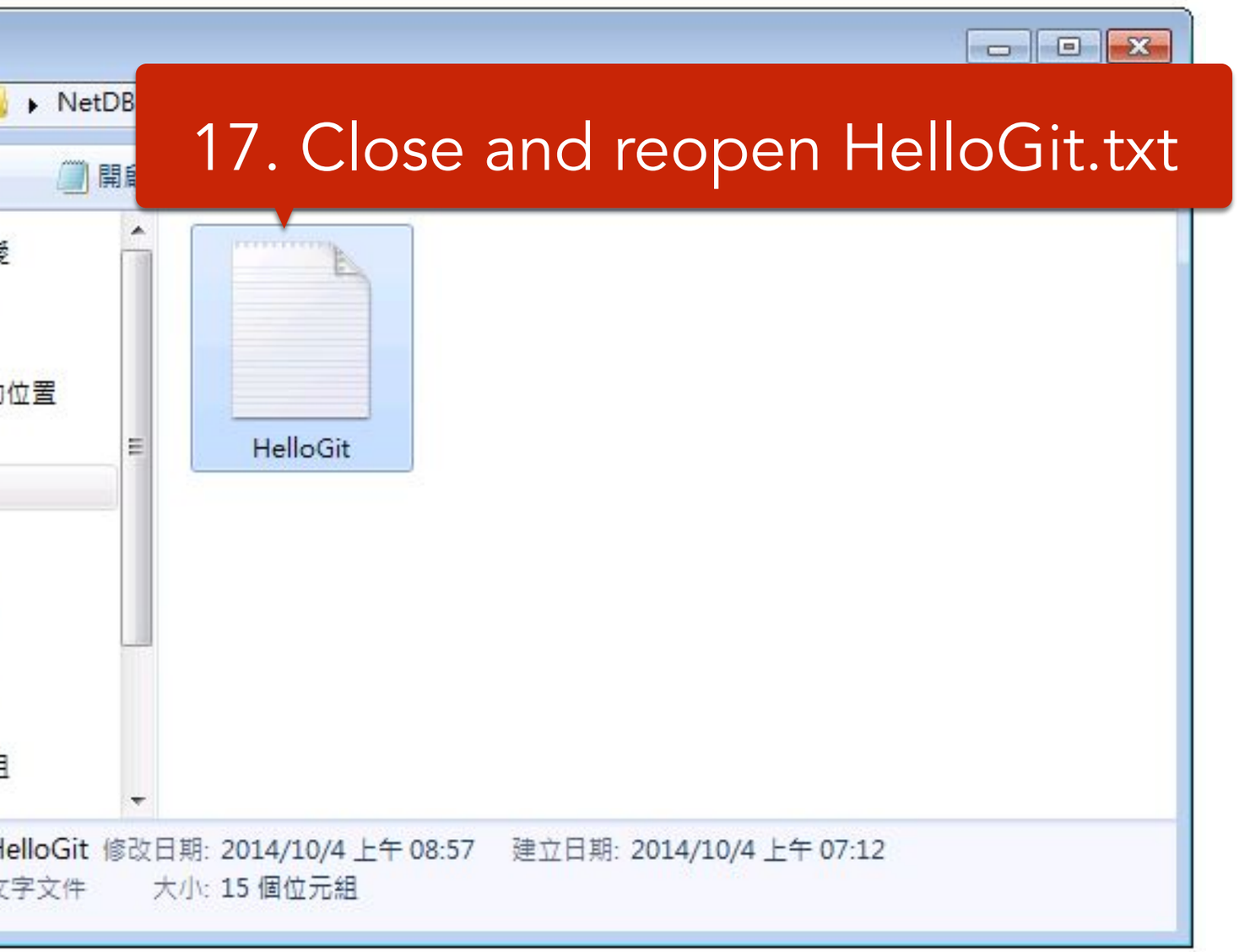
Version ID

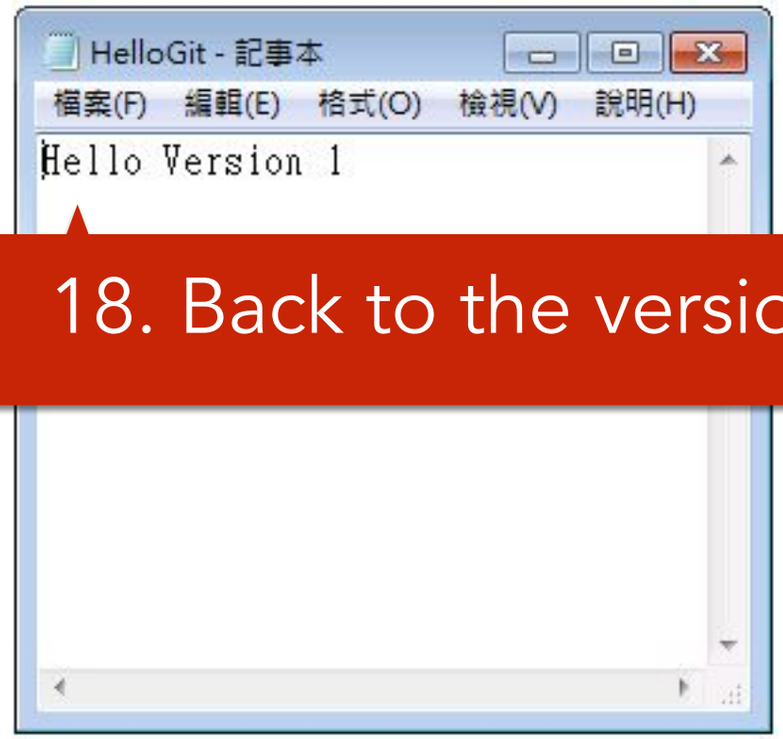



```
# Show versions with short version id
$ git log --oneline
```




```
# Go to a specific version.
# In fact, you only need to type
# the first 5 characters.
$ git checkout {short_version_id}
```


17. Close and reopen HelloGit.txt
NetDB
HelloGit
HelloGit 修改日期: 2014/10/4 上午 08:57 建立日期: 2014/10/4 上午 07:12
文字文件 大小: 15 個位元組


HelloGit - 記事本
檔案(F) 編輯(E) 格式(O) 檢視(V) 說明(H)
Hello Version 1
18. Back to the version 1!

Try yourself (1/2)

- Branching steps
    - Creating a new branch

```
git branch [branch name]
```

- Checking out the branch

```
git checkout [branch name]
```

Try yourself (2/2)

- Merging steps
    - Checking out a branch to merge

```
git checkout [branch 1 name]
```

- Merging another branch

```
git merge [branch 2 name]
```

Today’s exercise (1/2)

- Install Git command line tool in your computer.
  - Follow appendix A.
- Follow above steps.

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Collaboration

- To work with others using git, you'll need a server that store the repository.

- Git is distributed, which means

  - Everyone can store a copy of the repository downloaded from the server to their computer and do their jobs independently.

Collaboration Workflows (1/2)

1. If you don't have the project, *clone* (download) the repository from the server.

2. Do your work and commit the changes at local. Once done, *push* (upload) the repository to the server.

3. If someone else modified the project, you can *pull* (sync) the repository to get the updated project.

4. Repeat 2 and 3.

Collaboration Workflows (2/2)

Server

Clone

Local A

Clone

Local B

Collaboration Workflows (2/2)

Server

Commit

Local A

Local B

Collaboration Workflows (2/2)

Server

Push

Local A

Local B

Collaboration Workflows (2/2)

Server

Pull

Local A

Local B

Collaboration Workflows (2/2)

Server

Pull

Local A

Local B

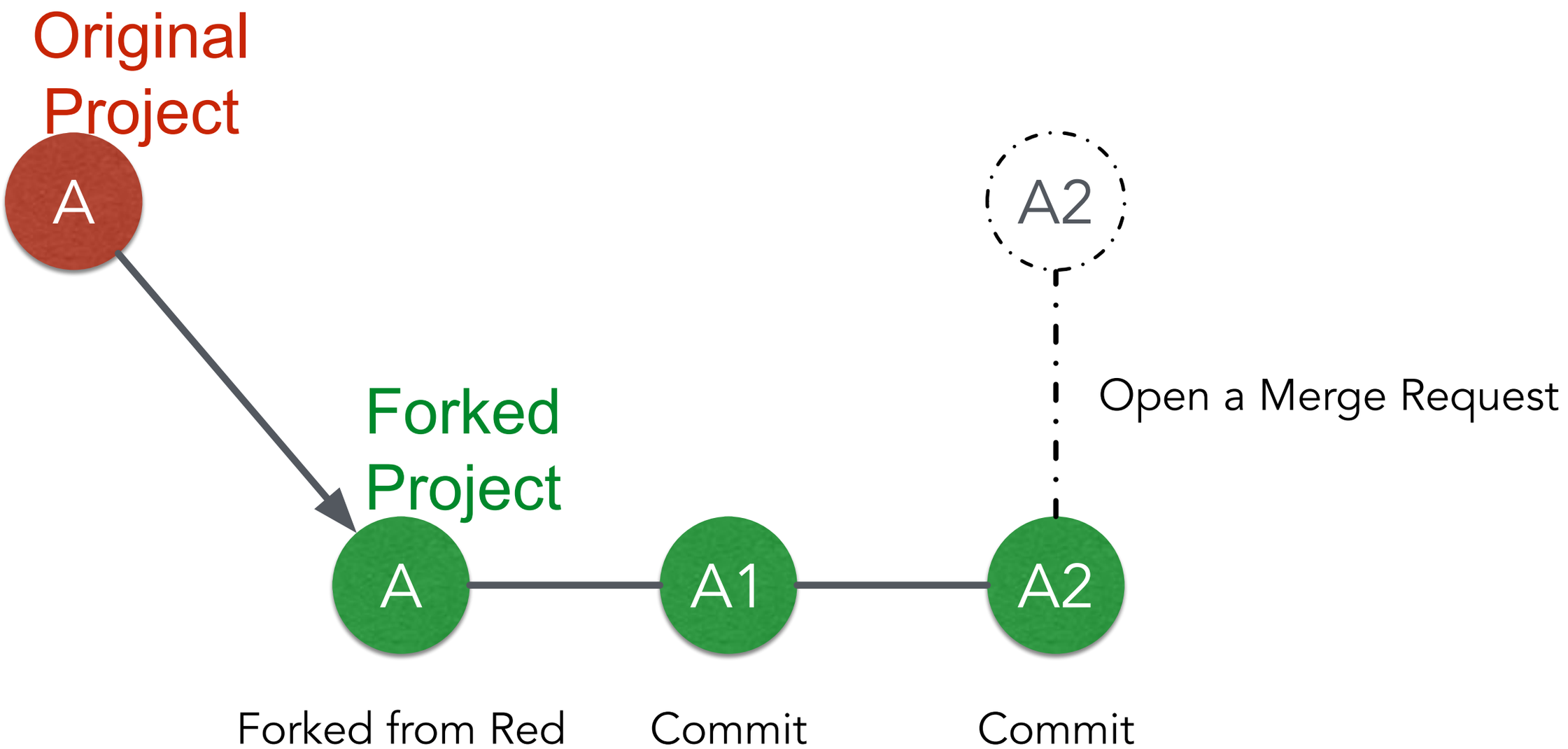
Why Authentication Failed?

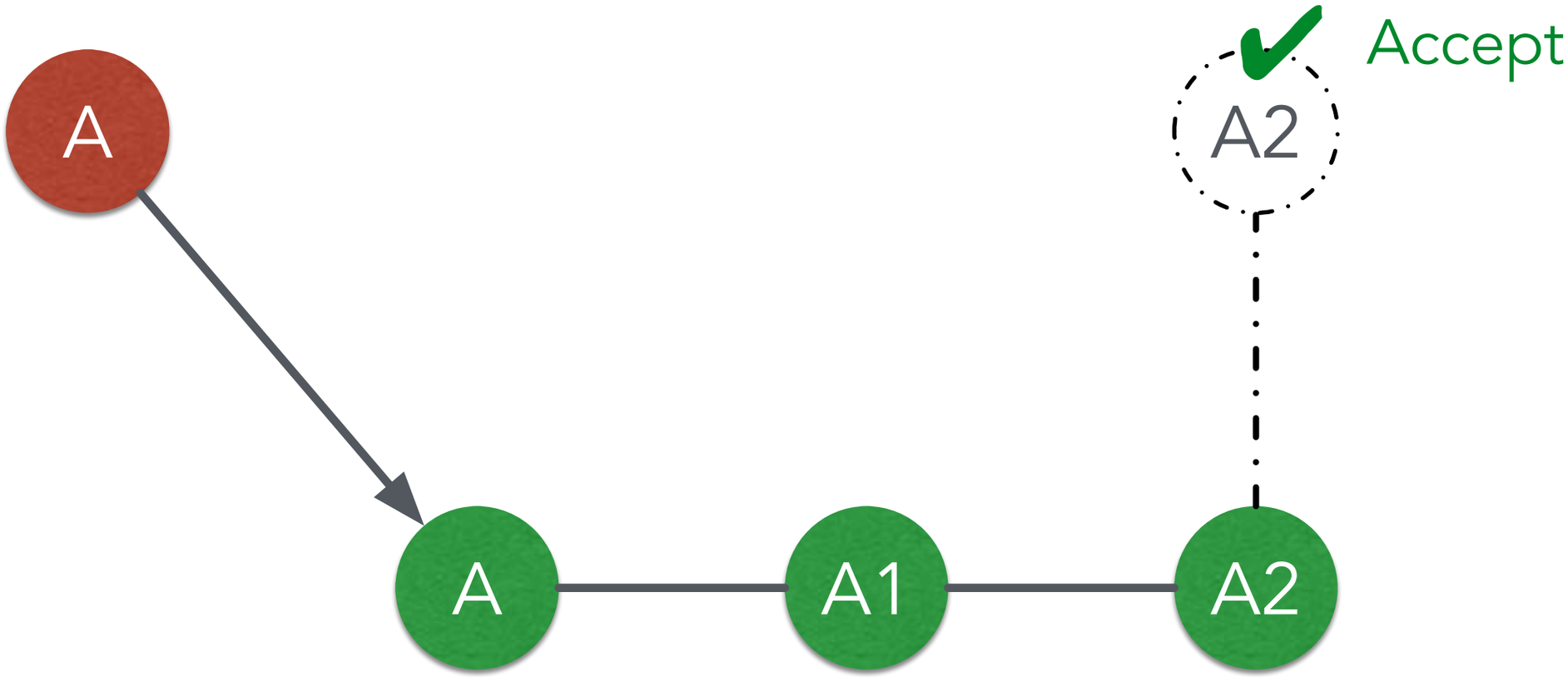
Collaboration Workflow

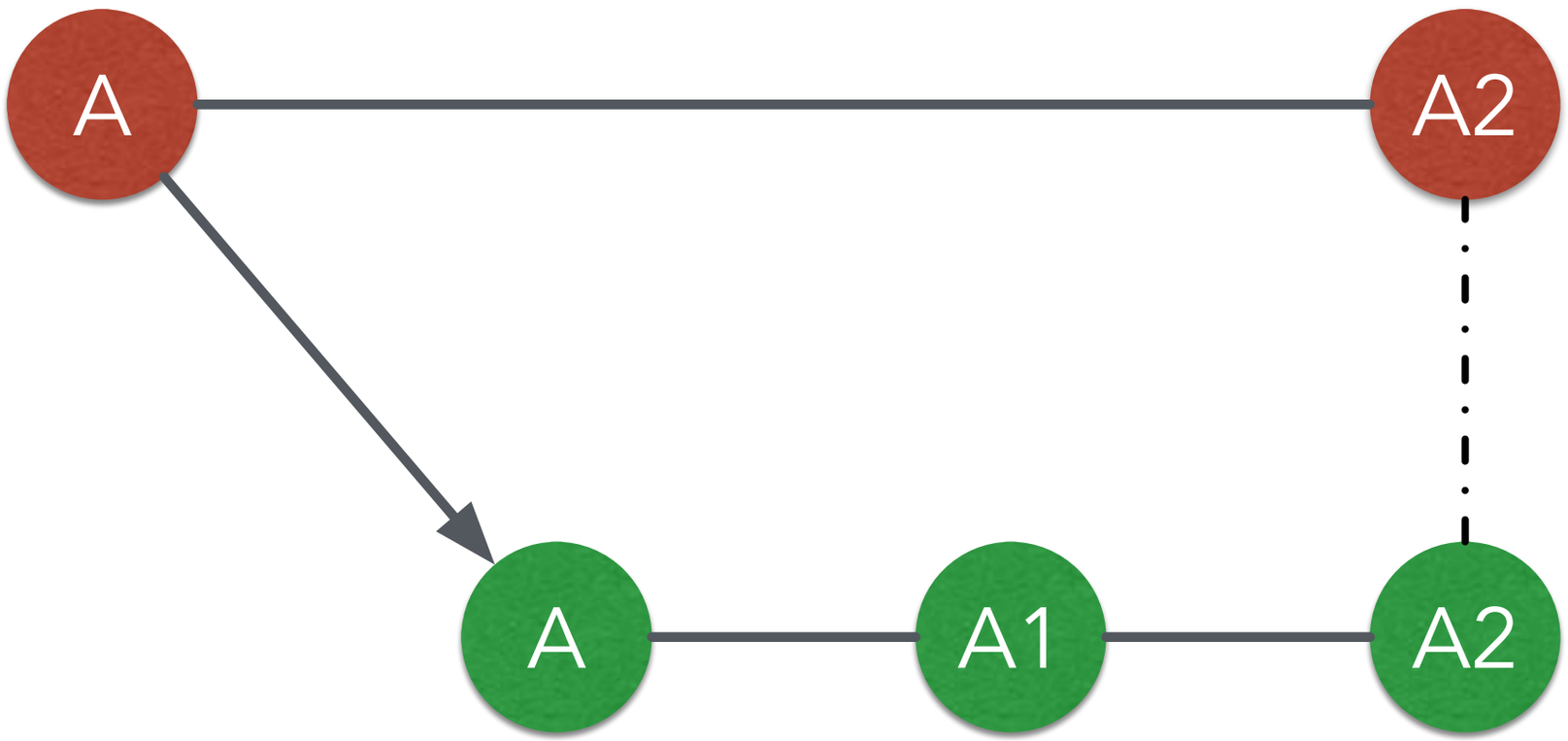
- If you tried to clone the code template from a server and want to push the modified file.
    - You will get authentication failed.
        - It’s because it was a project of others, which means you are not able to save the changes back to the server.
- So, how can I copy a project from others on a open source platform like Github?

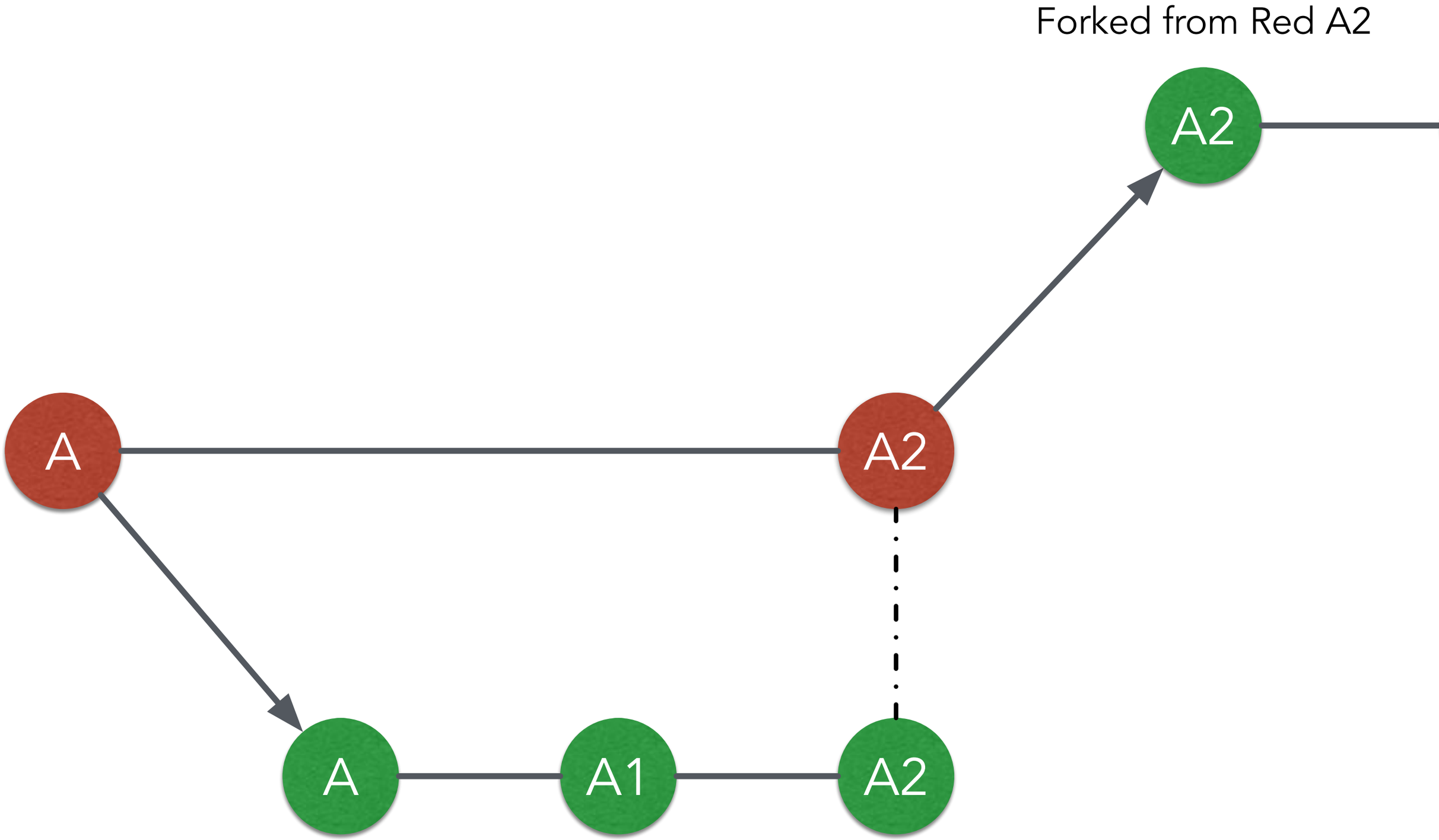
Introducing

Fork


Original
Project
A
Forked
Project
A2
Open a Merge Request
A
A1
A2
Forked from Red
Commit
Commit


A
A2
Accept
A
A1
A2


A
A2
A
A1
A2


Forked from Red A2
A2
A
A2
A
A1
A2

Git Collaboration Workflow

1. *Fork* a repository to make a copy of it.

2. *Clone* the repository you forked to your workspace.

3. Do your work and *commit* the changes in your workspace.

4. *Push* the repository to the server to synchronize them.

5. Open a *merge request* to origin repository .

Basic Git Commands (2/2)

- **git clone [url]**
  - Clone a repository from remote server
- **git push [url] [branch-name]**
  - Push committed file to remote server

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Gitlab

- We have created account for you
- Account: student ID (e.g. 106012345)
- Password: student ID (e.g. 106012345)

Gitlab


Gmail
搜尋郵件
撰寫
收件匣 9
已加星號
已延後
主要
社交網路 33 個新對話
Twitter
促銷內容
GitLab
Access to the courses / software-studio / 2020-sprin
GitLab
Confirmation instructions - Welcome, TA_ACOUNT! T

Gitlab

Confirmation instructions 收件匣 ×

GitLab <gitlab@shwu10.cs.nthu.edu.tw>
寄給 我

下午8:11 (2 分鐘前)

英文 > 中文（繁體） 翻譯郵件

關閉下列語言的翻譯功能：英文 ×

Welcome, TA_ACOUNT!

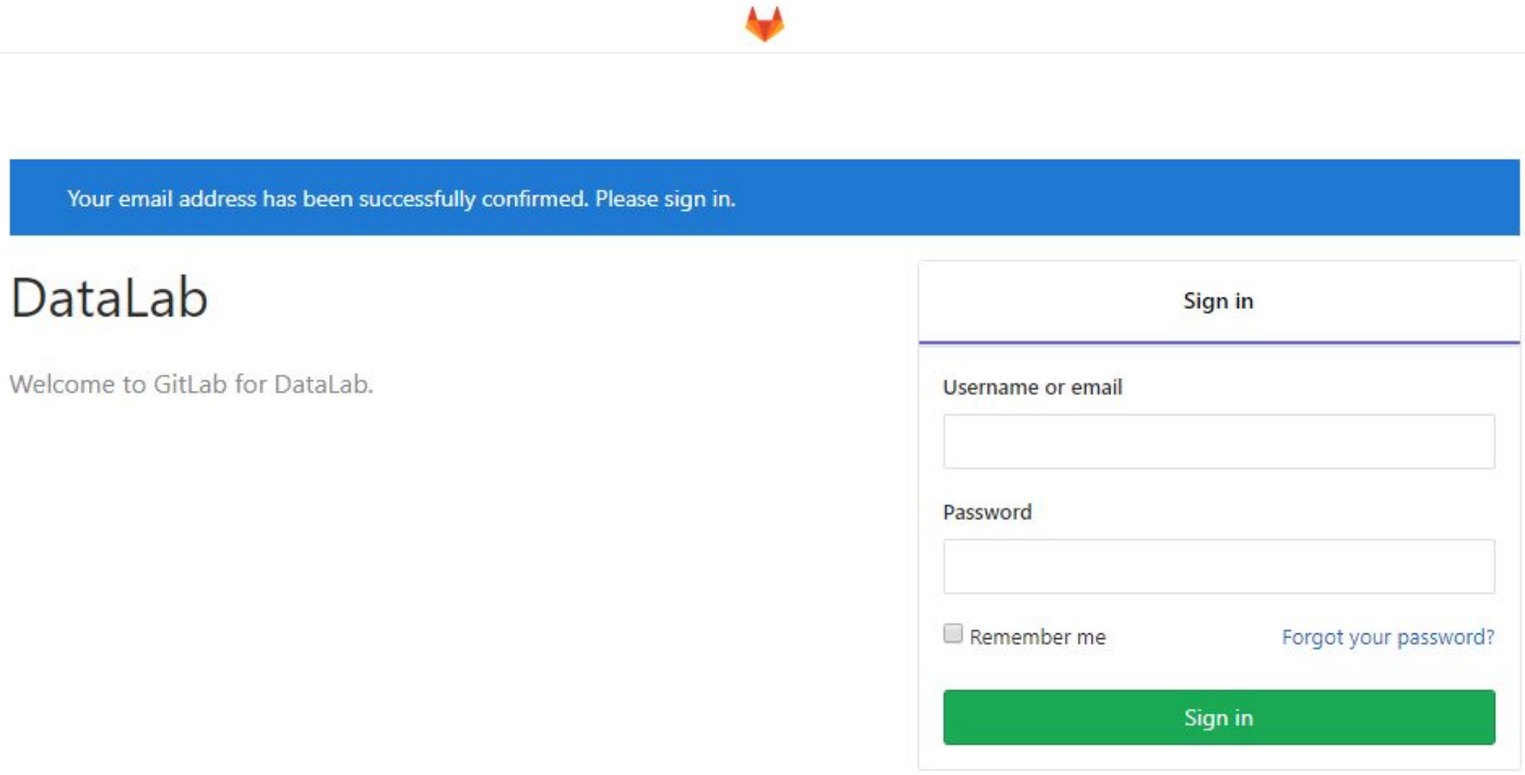
To get started, click the link below to confirm your account.

Confirm your account

GitLab

You're receiving this email because of your account on shwu10.cs.nthu.edu.tw. Manage all notifications · Help

Gitlab


Your email address has been successfully confirmed. Please sign in.
DataLab
Welcome to GitLab for DataLab.
Sign in
Username or email
Password
Remember me
Forgot your password?
Sign in

Workflow

- For each lab, you should follow the workflow below

1. Fork our template repository on Gitlab
2. Clone the **forked** repository to your computer
3. Finish your lab
4. Commit in your computer
5. Push to Gitlab
6. Send merge request of **your branch** to our template repository

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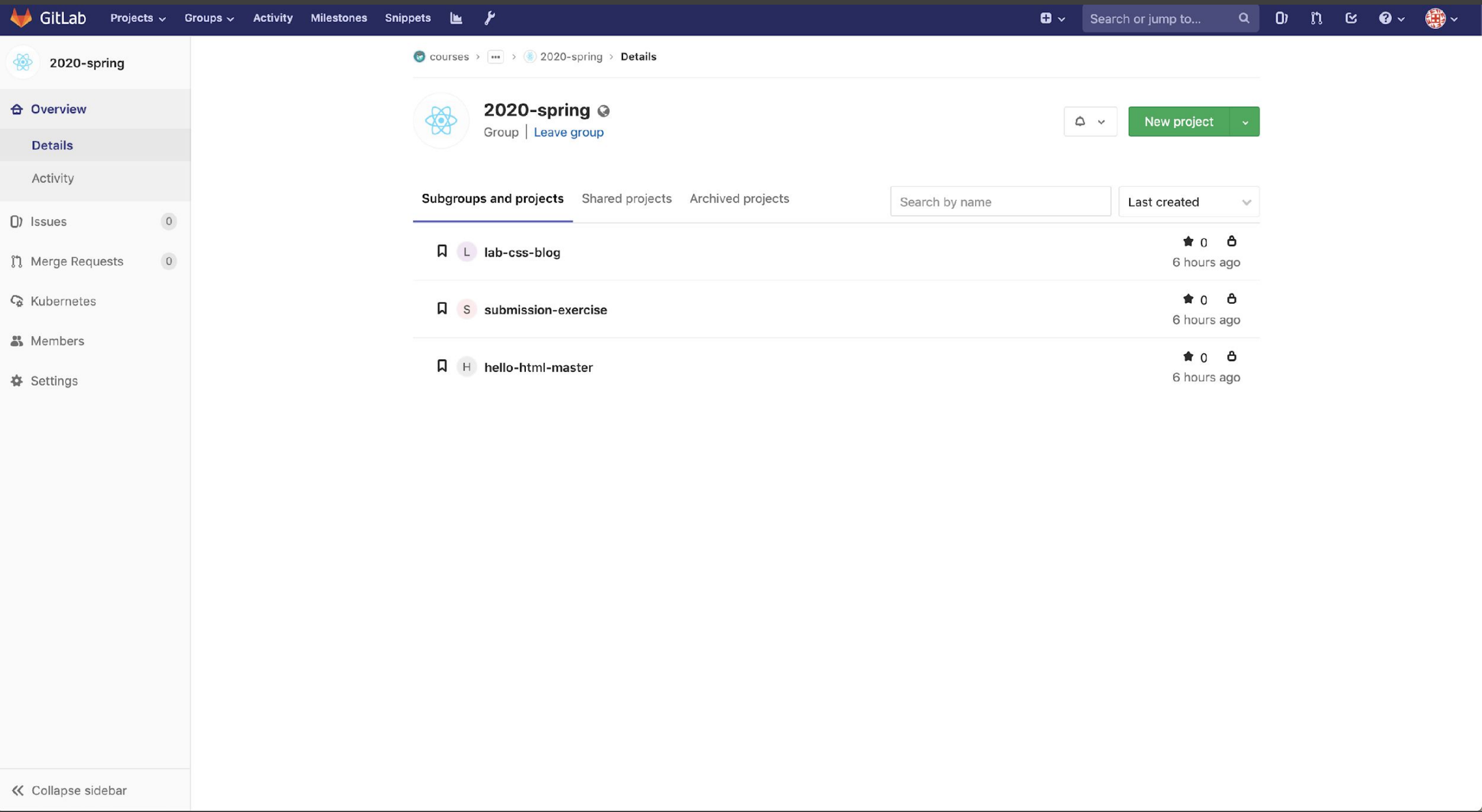
You can access course projects in this group



GitLab Projects Groups Activity Milestones Snippets Search or jump to...

S submission-exercise

- Project
  - Details
  - Activity
  - Releases
  - Cycle Analytics
- Repository
- Issues 0
- Merge Requests 0
- Wiki
- Snippets
- Settings

Collapse sidebar

alan0313 › submission-exercise › Details

The project was successfully forked.

S **submission-exercise**
Project ID: 9564

Star 0 Fork 0 Clone

1. Click to fork

Add license **0** Commits **1** Branch **0** Tags **0 Bytes** Files

Forked from courses / software-studio / 2020-spring / submission-exercise

master submission-exercise / + History Find file Web IDE

Add README.md
alan0313 authored 6 hours ago
8bb12aa3

README Add CHANGELOG Add CONTRIBUTING Auto DevOps enabled

Name	Last commit	Last update
README.md	Add README.md	6 hours ago

README.md

Practice Submission

This repository is built for practicing submissions for assignments and projects. You can follow the instructions below in order to know the whole workflow for submitting a lab or a project.

Try It !!

1. Fork this project.

GitLab Projects Groups Activity Milestones Snippets Search or jump to...

S submission-exercise

- Project
  - Details
  - Activity
  - Releases
  - Cycle Analytics
- Repository
- Issues 0
- Merge Requests 0
- Wiki
- Snippets
- Settings

Collapse sidebar

alan0313 › submission-exercise › Details

2. Check if this repository is under your account

3. Go to settings

S **submission-exercise**
Project ID: 9564

Star 0 Fork 0 Clone

Add license 0 Commits 1 Branch 0 Tags 0 Bytes Files

Forked from courses / software-studio / 2020-spring / submission-exercise

master submission-exercise / + History Find file Web IDE

Add README.md
alan0313 authored 6 hours ago
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README Add CHANGELOG Add CONTRIBUTING Auto DevOps enabled

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README.md

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GitLab Projects Groups Activity Milestones Snippets Search or jump to...

S submission-exercise

- Project
- Repository
- Issues 0
- Merge Requests 0
- Wiki
- Snippets
- Settings
  - General
  - Members
  - Integrations
  - Repository

Collapse sidebar

alan0313 › submission-exercise › General Settings

General project

Expand

Update your project name, description, avatar, and other general settings.

Permissions

Collapse

Enable or disable certain project features and choose access levels.

4. Set project to private

Project visibility

Private

The project is accessible only by members of the project. Access must be granted explicitly to each user.

Issues

Lightweight issue tracking system for this project

Only Project Members

Repository

View and edit files in this project

Only Project Members

Merge requests

Submit changes to be merged upstream

Only Project Members

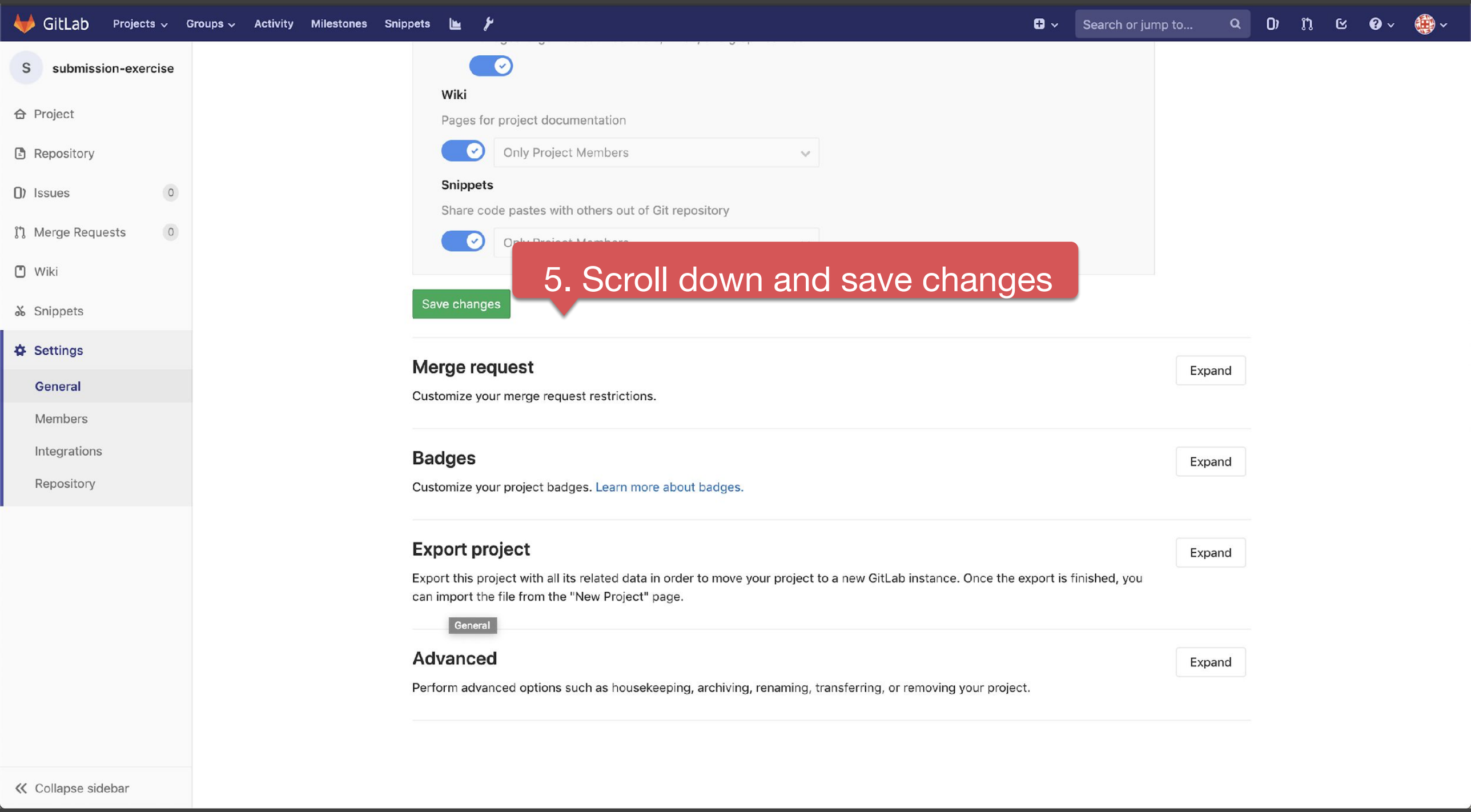
Pipelines

Build, test, and deploy your changes

Enable feature to choose access level

Git Large File Storage

Manages large files such as audio, video, and graphics files


GitLab
Projects
Groups
Activity
Milestones
Snippets
Search or jump to...
submission-exercise
Project
Repository
Issues 0
Merge Requests 0
Wiki
Snippets
Settings
General
Members
Integrations
Repository
Collapse sidebar
Wiki
Pages for project documentation
Only Project Members
Snippets
Share code pastes with others out of Git repository
5. Scroll down and save changes
Save changes
Merge request
Customize your merge request restrictions.
Expand
Badges
Customize your project badges. Learn more about badges.
Expand
Export project
Export this project with all its related data in order to move your project to a new GitLab instance. Once the export is finished, you can import the file from the "New Project" page.
Expand
General
Advanced
Perform advanced options such as housekeeping, archiving, renaming, transferring, or removing your project.
Expand

Workflow

- For each lab, you should follow the workflow below

1. Fork our template repository on Gitlab
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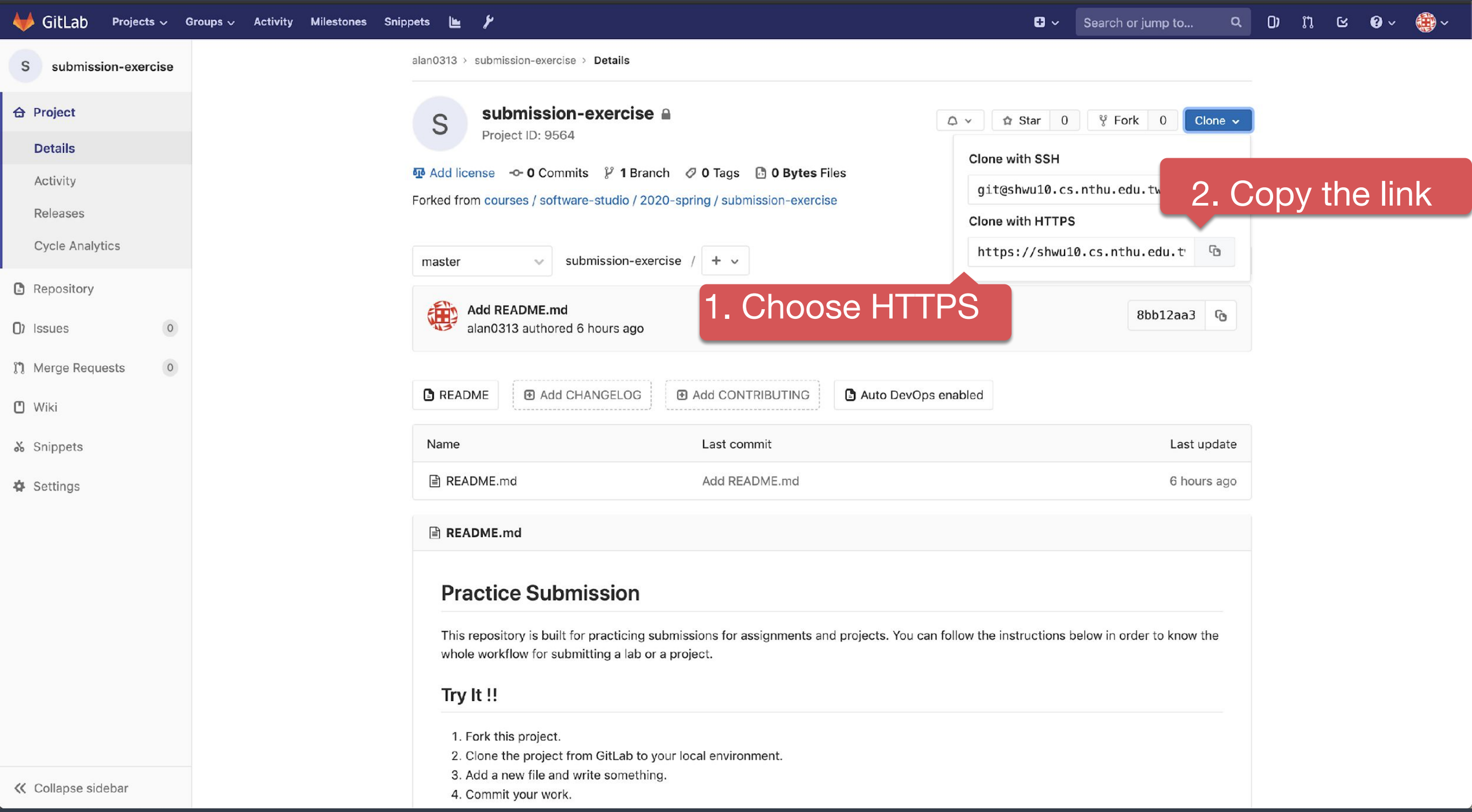
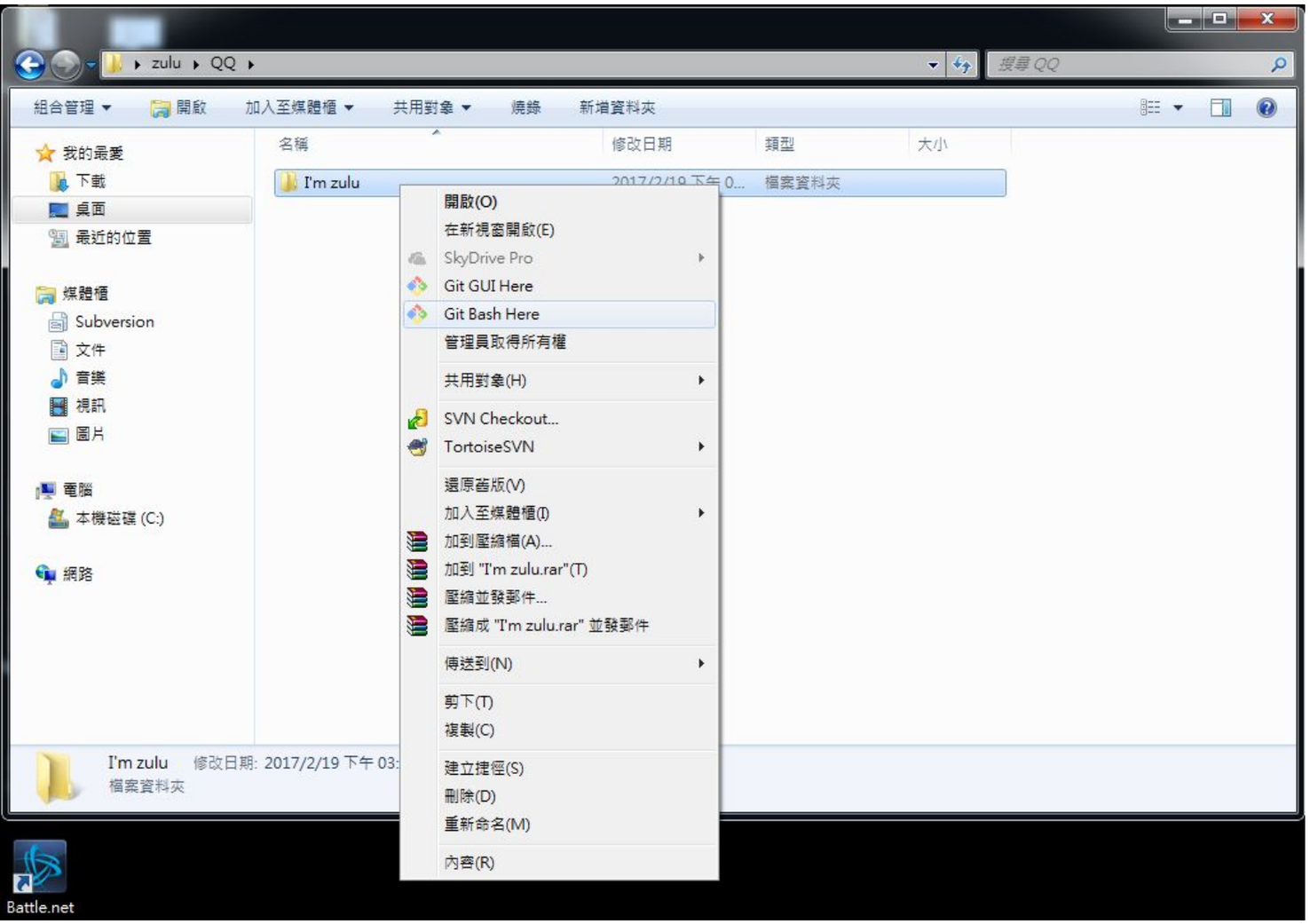
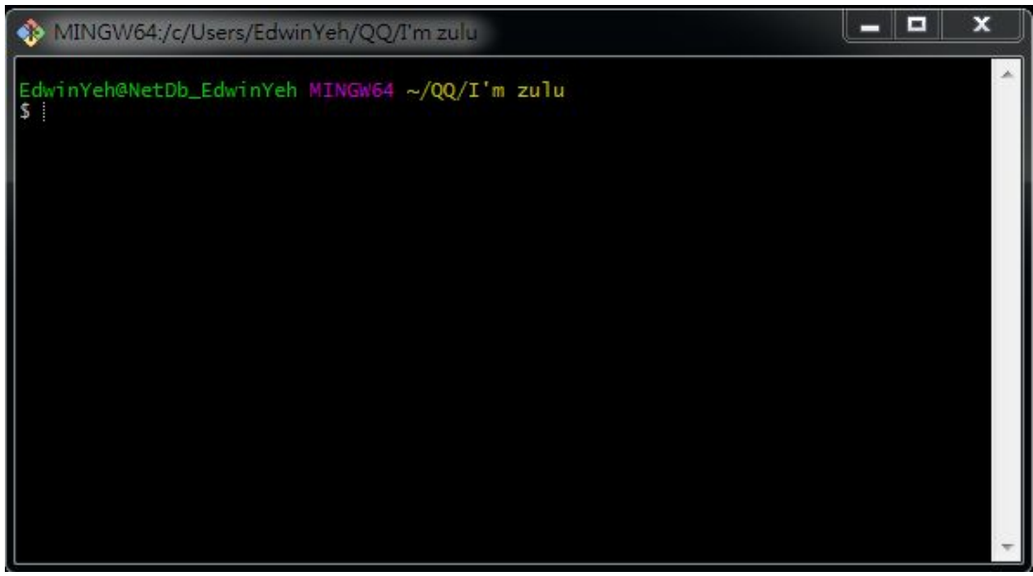
5. Push to Gitlab
6. Send merge request of **your branch** to our template repository


GitLab
Projects
Groups
Activity
Milestones
Snippets
Search or jump to...
submission-exercise
Project
Details
Activity
Releases
Cycle Analytics
Repository
Issues 0
Merge Requests 0
Wiki
Snippets
Settings
Collapse sidebar
alan0313 › submission-exercise › Details
submission-exercise
Project ID: 9564
Star 0
Fork 0
Clone
Add license
0 Commits
1 Branch
0 Tags
0 Bytes Files
Forked from courses / software-studio / 2020-spring / submission-exercise
Clone with SSH
git@shwu10.cs.nthu.edu.tw
Clone with HTTPS
https://shwu10.cs.nthu.edu.t
2. Copy the link
master
submission-exercise /
1. Choose HTTPS
Add README.md
alan0313 authored 6 hours ago
8bb12aa3
README
Add CHANGELOG
Add CONTRIBUTING
Auto DevOps enabled
Name
Last commit
Last update
README.md
Add README.md
6 hours ago
README.md
Practice Submission
This repository is built for practicing submissions for assignments and projects. You can follow the instructions below in order to know the whole workflow for submitting a lab or a project.
Try It !!
1. Fork this project.
2. Clone the project from GitLab to your local environment.
3. Add a new file and write something.
4. Commit your work.

If You use Windows





3. Create a folder to put your repos

```
~/SS-Projects  git clone https://shwu10.cs.nthu.edu.tw/ss-student/submission-exercise.git
Cloning into 'submission-exercise'...
remote: Counting objects: 3, done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 3 (delta 0)
Unpacking objects: 100% (3/3), done.
~/SS-Projects  ls
submission-exercise
~/SS-Projects
```

4. Type "git clone {URL}"

5. The repo has been successfully cloned

Workflow

- For each lab, you should follow the workflow below

1. Fork our template repository on Gitlab
2. Clone the **forked** repository to your computer
3. Finish your lab
4. Commit in your computer
5. Push to Gitlab
6. Send merge request of **your branch** to our template repository

```
~/SS-Projects/submission-exercise  master  vim lab1.js
~/SS-Projects/submission-exercise  master  git add -A
~/SS-Projects/submission-exercise  master +  git status
On branch master
Your branch is up-to-date with 'origin/master'.
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        new file:   lab1.js

~/SS-Projects/submission-exercise  master +  git commit -m "Finish lab1"
[master c1acaf4] Finish lab1
 1 file changed, 1 insertion(+)
 create mode 100644 lab1.js
~/SS-Projects/submission-exercise  master
```

1. -A means all files

2. Check if your file is added to git

3. Commit your changes

```
~/SS-Projects/submission-exercise  master  vim lab1.html
~/SS-Projects/submission-exercise  master  git add -A
~/SS-Projects/submission-exercise  master +  git commit -m "Finish lab1"
[master 8a603d9] Finish lab1
 Committer: Real Wei <realwei@Realweis-MBP.local>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit wit

    git commit --amend --reset-author

 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 lab1.html
~/SS-Projects/submission-exercise  master
```

If you see these message, type
git config --global user.name "{name}"
git config --global user.email "{email}"

{email} is the email you use on gitlab

Workflow

- For each lab, you should follow the workflow below

1. Fork our template repository on Gitlab
2. Clone the **forked** repository to your computer
3. Finish your lab
4. Commit in your computer
5. Push to Gitlab
6. Send merge request of **your branch** to our template repository

```
~/SS-Projects/submission-exercise  master  git push -u origin master
Counting objects: 6, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (4/4), done.
Writing objects: 100% (6/6), 497 bytes | 0 bytes/s, done.
Total 6 (delta 1), reused 0 (delta 0)
To https://shwu10.cs.nthu.edu.tw/ss-student/submission-exercise.git
   b1e0571..8a603d9  master -> master
Branch master set up to track remote branch master from origin.
~/SS-Projects/submission-exercise  master
```

Type "git push -u origin master"

Workflow

- For each lab, you should follow the workflow below

1. Fork our template repository on Gitlab
2. Clone the **forked** repository to your computer
3. Finish your lab
4. Commit in your computer
5. Push to Gitlab
6. Send merge request of **your branch** to our template repository

GitLab Projects Groups Activity Milestones Snippets Search or jump to...

S submission-exercise

Project
Details
Activity
Releases
Cycle Analytics
Repository
Issues 0
Merge Requests 0
Wiki
Snippets
Settings
Collapse sidebar

alan0313 › submission-exercise › Details

S **submission-exercise**
Project ID: 9564

Star 0 Fork 0 Clone

Add license 0 Commits 1 Branch 0 Tags 0 Bytes Files

Forked from courses / software-studio / 2020-spring / submission-exercise

master submission-exercise / + History Find file Web IDE

Add README.md
alan0313 authored 6 hours ago
8bb12aa3

1. Click Merge Requests

README Add CHANGELOG Add CONTRIBUTING Auto DevOps enabled

Name	Last commit	Last update
README.md	Add README.md	6 hours ago

README.md

Practice Submission

This repository is built for practicing submissions for assignments and projects. You can follow the instructions below in order to know the whole workflow for submitting a lab or a project.

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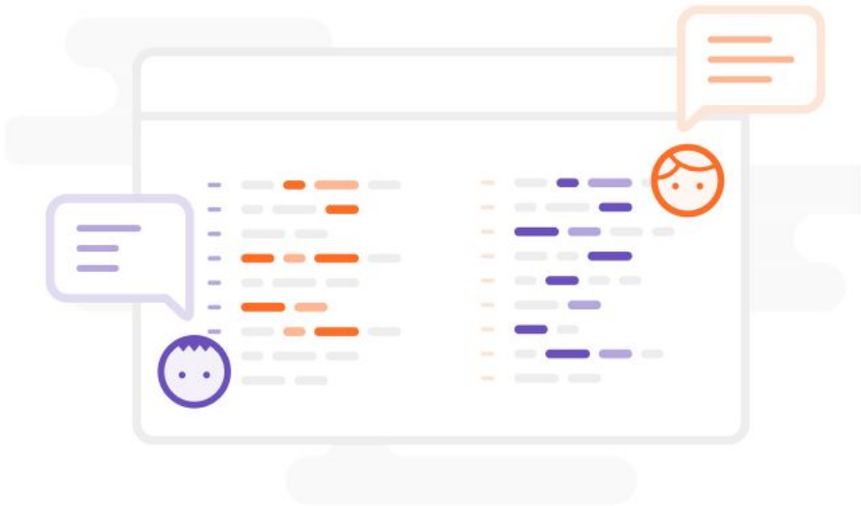
4. Commit your work.

GitLab Projects Groups Activity Milestones Snippets This project Search

S submission-exercise

- Project
- Repository
- Issues 0
- Merge Requests 0
- Wiki
- Snippets
- Settings

Collapse sidebar



Merge requests are a place to propose changes you've made to a project and discuss those changes with others

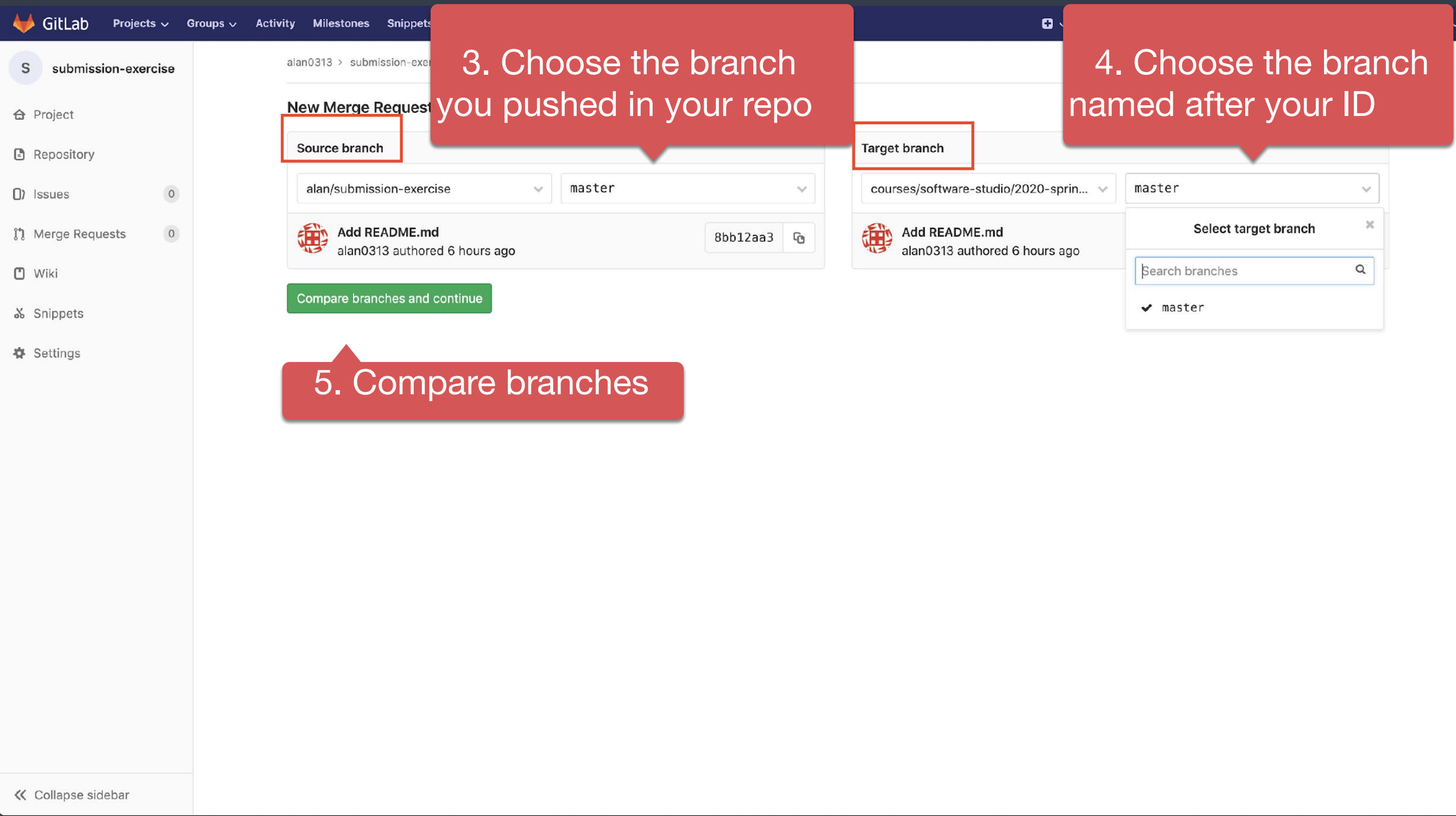
Interested parties can even contribute by pushing commits if they want to.

New merge request

New merge request

2. New merge request

https://shwu10.cs.nthu.edu.tw/103060010/submission-exercise/merge_requests/new


GitLab
Projects
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Snippets
S
submission-exercise
Project
Repository
Issues 0
Merge Requests 0
Wiki
Snippets
Settings
Collapse sidebar
alan0313 > submission-exer
New Merge Request
3. Choose the branch you pushed in your repo
4. Choose the branch named after your ID
Source branch
alan/submission-exercise
master
Add README.md
alan0313 authored 6 hours ago
8bb12aa3
Target branch
courses/software-studio/2020-sprin...
master
Add README.md
alan0313 authored 6 hours ago
Select target branch
Search branches
master
Compare branches and continue
5. Compare branches

GitLab Projects Groups Activity Milestones Snippets This project Search

S submission-exercise

Project
Repository
Issues 0
Merge Requests 0
Wiki
Snippets
Settings

Collapse sidebar

江秉翰 › submission-exercise › Merge Requests

New Merge Request

From `103060010/submissio` `ercise:103011228` Change branches

6. Set title to "{ID} Submission"

Title: 103060010 Submission

Start the title with `WIP:` to prevent a **Work In Progress** merge request from being merged before it's ready.

Description

Write Preview

Write a comment or drag your files here…

Markdown and quick actions are supported Attach a file

Source branch: master

Target branch: 103011228 Change branches

Squash commits when merge request is accepted. About this feature

GitLab Projects Groups Activity Milestones Snippets This project Search

S submission-exercise

- Project
- Repository
- Issues 0
- Merge Requests 0
- Wiki
- Snippets
- Settings

Collapse sidebar

Markdown and quick actions are supported Attach a file

Source branch master

Target branch 103011228 Change branches

Squash commits when merge request is accepted. About this feature

Contribution Allow commits from members who can merge to the target branch. About this feature

Not available for private projects

Submit merge request

7. If everything is OK, submit your merge request

Cancel

There are no commits yet.

Notice

Google

gitlab

全部 圖片 影片 新聞 書籍 更多 設定 工具

約有 8,300,000 項結果 (搜尋時間：0.45 秒)

GitLab

https://**gitlab**.com/ ▾ 翻譯這個網頁

這項網站搜尋結果說明因為網站的 robots.txt 而無法提供
瞭解詳情

GitLab.com | GitLab

https://about.**gitlab**.com/**gitlab**-com/ ▾ 翻譯這個網頁

GitLab.com. unlimited free repositories and collaborators. Sign Up. Free public & private repositories and unlimited collaborators. Runs GitLab Enterprise Edition ...

GitLab介紹— Practical guide for git users 0.1 文档

git-tutorial.readthedocs.io/zh/latest/**gitlab**.html ▾

GitLab介紹¶. 目前最流行的線上Git專案管理系統可以說是非GitHub 莫屬，對於一般OpenSource的專案選擇使用GitHub做為線上Git專案管理系統即可，也免收任何 ...

GitHub - gitlabhq/gitlabhq: GitLab CE | Please open new issues in our ...

https://github.com/**gitlabhq**/**gitlabhq** ▾ 翻譯這個網頁

README.md. GitLab. Build status CE coverage report Code Climate Core Infrastructure Initiative Best Practices. Canonical source. The canonical source of ...

Gitlab - 維基百科，自由的百科全書 - Wikipedia

https://zh.wikipedia.org/zh-tw/**Gitlab** ▾

GitLab是一個利用Ruby on Rails開發的開源應用程式，實現一個自代管的Git專案倉庫，可通過Web介面進行存取公開的或者私人專案。 它擁有與GitHub類似的功能， ...

GitLab.com

GitLab.com offers free unlimited (private) repositories and unlimited collaborators.

- **Explore projects on GitLab.com** (no login needed)
- **More information about GitLab.com**
- **GitLab.com Support Forum**

By signing up for and by signing in to this service you accept our:

- **Privacy policy**
- **GitLab.com Terms**.

Sign in | Register

Username or email

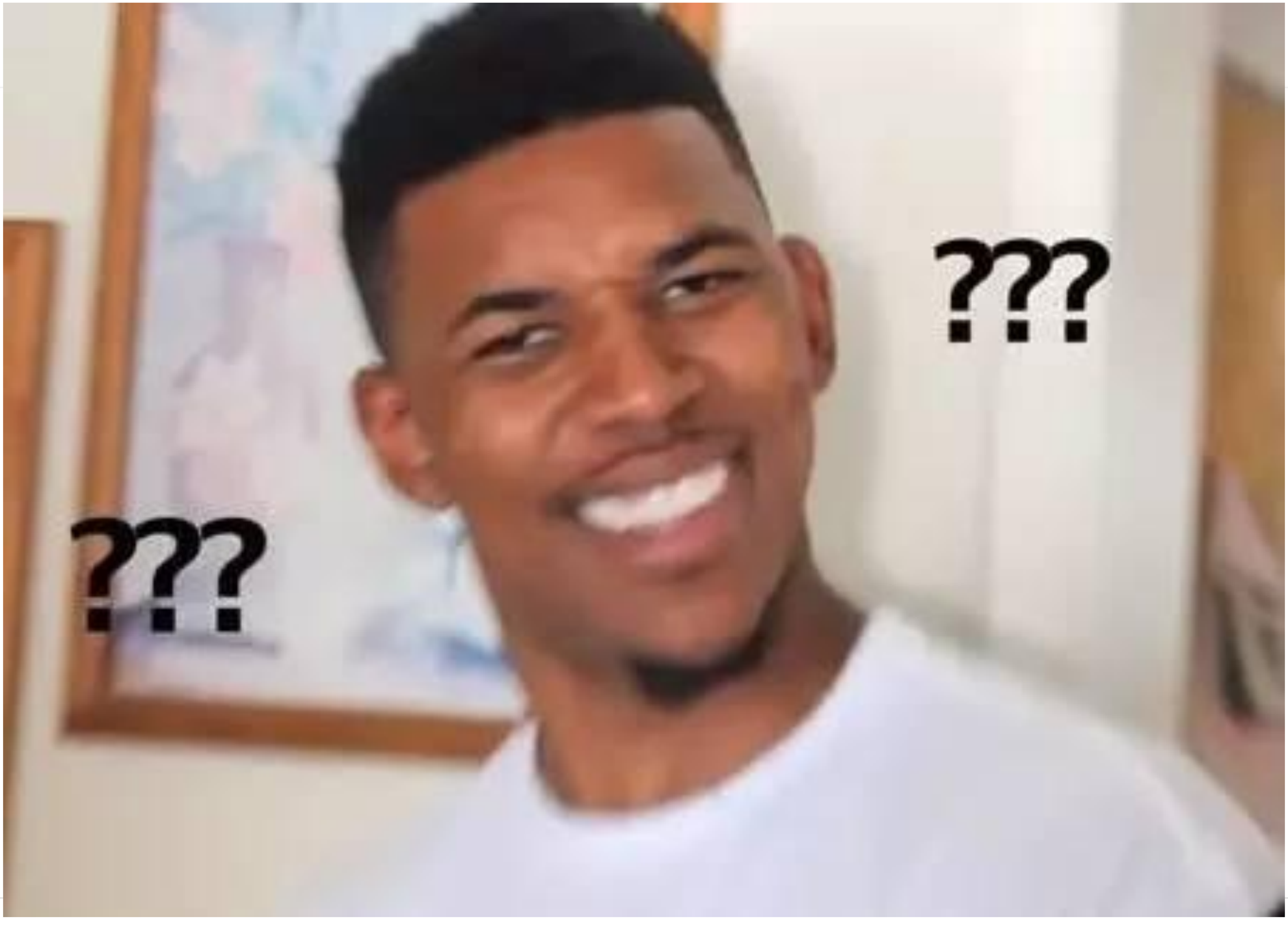
Password

Remember me — Forgot your password?

Sign in

Didn't receive a confirmation email? Request a new one.

Sign in with



Shan-Hung Wu Description Announcement Curriculum Resources

Resources

Here are some course materials and resources related to this course. For code and its details (such as assigned reading, project links, quiz, etc.) please refer to the GitLab. For online forum please refer to the iLMS system.

GitLab iLMS System

Here!!!!!

Outline

- General Rule
- Introduction to Git
    - Version control
    - Git Basics
    - Try Git!
    - Remote Repositories
- How to Submit Your Code to Gitlab
- Tools & References

Tools

- Git GUI
  - GitKraken

- Editor / IDE
  - Visual Studio Code
  - Atom
  - Sublime Text
  - Brackets
  - Notepad++
  - Webstorm


axosoft
GitKraken

Repositories › GitKraken ▾ › master ▾

search commits

Viewing 112/151 Show All

LOCAL (7/11)

- fancier-refbar-changes
- fancy-responsive-refbar-it... 42↗ 99+
- graph-color-test
- hopscotch 24↗ 99+
- init-repo-gitignore-typeahead
- invite-system 6↗ 99+
- jars-view-file-history
- master 5↙
- remote-panel-redesign 15↗ 13↓
- settings-theme-styling
- view-file-history 24↗ 99+

REMOTE (6/41)

- Jeff-Schinella (0/1)
- Jordan-Wallet (0/7)
- Justin-GK (0/1)
- Ken-Price (0/2)
- Kyle-Smith (2/8)
- Max-Korp (0/2)
- Sjepan-Rajko (0/8)
- ayresa (0/3)
- cbargren (0/5)
- origin (4/4)

TAGS (99/99)

	Fix un/stageall and stashing
	Keep rename detection stage/unstage all
0.1.40	Bump to version 0.1.40
	Merge pull request #597 from johnhaley81/fix-dispatc...
	Merge pull request #594 from Mr-Wallet/nicer-ref-nam...
	Fix `waitFor` bug in dispatcher
	Merge pull request #596 from johndavidsparrow/gh-p...
	Revised custom variable script and switch
	Merge pull request #595 from johndavidsparrow/gh-p...
	Resolved edge case where RefNodes could overlap
	/universe removal of in-app invite wording
0.1.39	Bump to version 0.1.39
	Merge pull request #591 from Mr-Wallet/fix-graph-ref-...
	Merge pull request #590 from srajko/div-be-gone
	Merge pull request #588 from Mr-Wallet/friendlier-app...
	Merge pull request #568 from Mr-Wallet/nicer-ref-nam...
	Merge pull request #589 from johndavidsparrow/gh-p...
	Merge pull request #592 from implausible/FixNSFW
	JS tidy up in form-validation.js
	Javascript update for /universe
	/universe page
	added maxwait to updateworkdir debounce
	Update NSFW for memory leak
	Fix NSFW segfault
	Fix flickering GraphRefColumn every time ... 6 days ago
	Preventing page reload on default pull click
	Eliminate console spam when conflicts exist in a statel...
	Upgrading to react-bootstrap v0.24.5

Commit: cca151e6b9e32c3f9209c25131706740050
Parent: 8efe30a11761983173f844900fa5ec5c6be2
Author: John Haley <johnh@axosoft.com>
Author Date: September 30th 2015, 2:54 pm

Bump to version 0.1.40

0 added 0 deleted 2 modified

npm-shrinkwrap.json

```
@@ -1,6 +1,6 @@
 1  1  {
 2  2    "name": "gitkraken",
-3     "version": "0.1.39",
    +3  "version": "0.1.40",
 4  4    "dependencies": {
 5  5      "atom-keymap": {
 6  6        "version": "5.1.11",
```

package.json

```
@@ -1,7 +1,7 @@
 1  1  {
 2  2    "name": "gitkraken",
 3  3    "productName": "GitKraken",
-4     "version": "0.1.39",
    +4  "version": "0.1.40",
 5  5    "description": "An intuitive git cli
 6  6    "main": "./src/appBootstrap/main.js"
 7  7
```

Provide Feedback


VS Code

EXPLORE

WORKING FILES

03.jpg img

TBL-STYLES

- css
- img
- js
  - hoverIntent.js
  - jquery.dropdown.js
  - jquery.more.js
  - jquery.more.min.js
  - jquery.plugin.js
  - jquery.plugin.min.js
  - mapper.js
  - maputil.js
  - navigation.js
  - smoothscroll.js
  - tabs.js

navigation.js js

```
var scriptbase = _spPageContextInfo.webServerRelativeUrl + "/_layouts/15/";

$(document).ready(function () {
    $.getScript(scriptbase + "SP.Runtime.js", function () {
        $.getScript(scriptbase + "SP.js", function () {
            $.getScript(scriptbase + "SP.Taxonomy.js", function () {
                context = SP.ClientContext.get_current();
                //Call your code here.
                console.log("Navigation - ready to rock.");

                // Get default termstore

                session = SP.Taxonomy.TaxonomySession.getTaxonomySession(context);
                termStore = session.getDefaultSiteCollectionTermStore();
                context.load(session);
                context.load(termStore);
                context.executeQueryAsync(
                    function () {
                        console.log('Got default term store');
                    },
                    function(sender, args) {
                        console.log('Could not get default term store. ' + args.get_message());
                    }
                );


            });
        });
    });
});

var topnavbar;

topnavbar +=    '<div class="tbl-site-navigation">';
topnavbar +=        '<ul class="dropdown">';
topnavbar +=        '<li class=""><a href="#">The Brand Code - a</a></li>';
topnavbar +=        '<li class="dropdown1">';
topnavbar +=            '<ul class="sub_menu" style="visibility: hidden;">';
topnavbar +=                '<li class="large">';
topnavbar +=                    '<div class="dropdownbox">';
topnavbar +=                        '<div class="dropdownbox-title">Welcome to the Brand Code</div>';
topnavbar +=                        '<ol>';
topnavbar +=                            '<li><a href="">The importance of Brand Building</a></li>';
topnavbar +=                            '<li><a href="">Introduction to the Brand Code</a></li>';
topnavbar +=                            '<li><a href="">You and the Brand Code</a></li>';
topnavbar +=                        '</ol>';
topnavbar +=                    '</div>';
```

0 18 Ln 38, Col 72 UTF-8 CRLF JavaScript


ATOM
A hackable text editor
for the 21st Century
build
docs
dot-atom
exports
keymaps
menus
node_modules
resources
script
spec
src
static
atom.coffee
Settings
Essential: Atom global for dealing with packages, themes, menus, and the wir
#
An instance of this class is always available as the `atom` global.
module.exports =
class Atom extends Model
@version: 1 # Increment this when the serialization format changes
Load or create the Atom environment in the given mode.
#
Returns an Atom instance, fully initialized.
@loadOrCreate: (mode) ->
startTime = Date.now()

Reference

- Learn Git branching (interactive)
  - http://pcottle.github.io/learnGitBranching/
- Pro Git
  - http://git-scm.com/book/
- 寫給大家的 Git 教學
  - http://www.slideshare.net/littlebtc/git-5528339

Today’s exercise

- Install Git command line tool in your computer.
  - Follow appendix A.
- Try to submit in GitLab.