

Git Lab 4

一、本節目地

- GitHub 上開放源碼專案的下載/使用

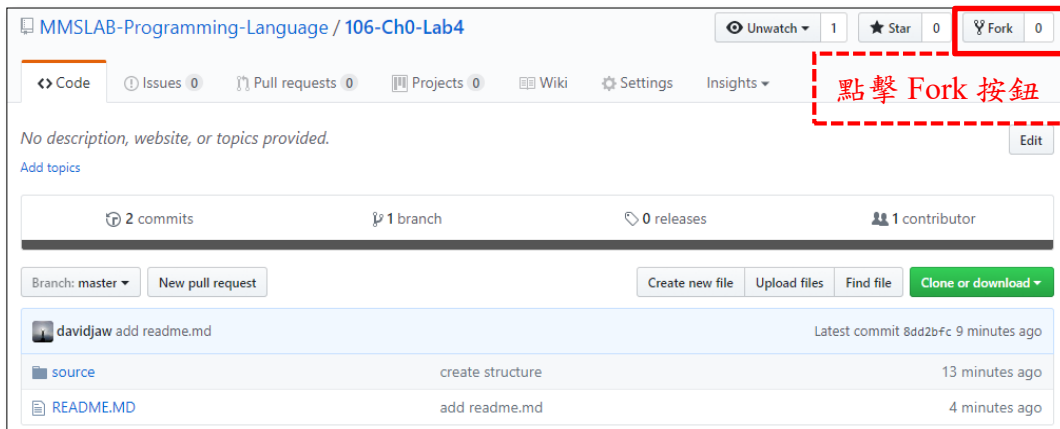
二、設計重點

- 本次的練習是要介紹幾個指令以及對網路上開放原始碼專案的使用，包括：
 - Fork
 - git clone, add, commit, push

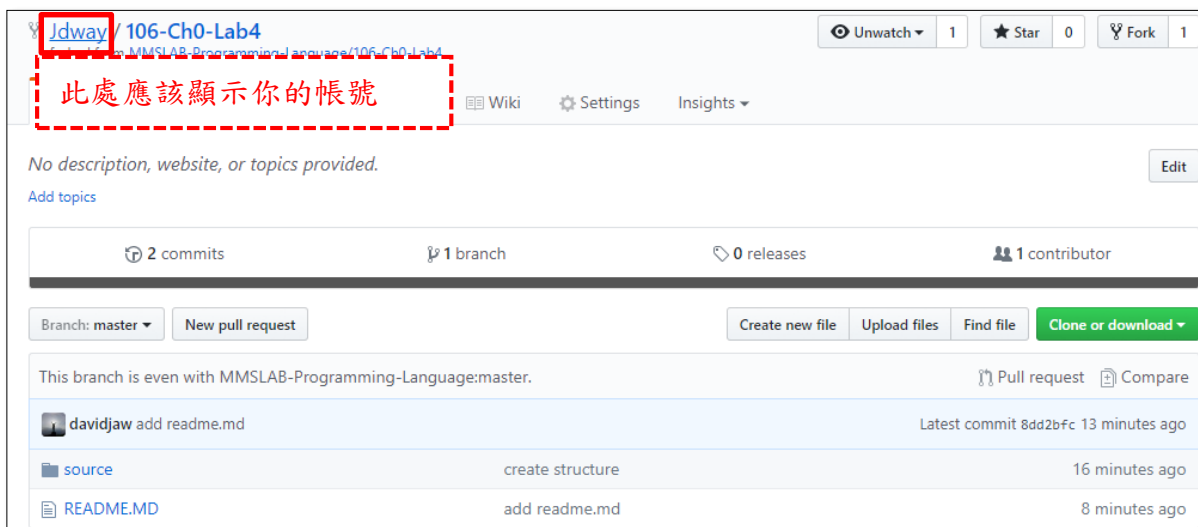
三、設計步驟

1. 把專案 Fork 到自己帳號下的資料庫

打開網頁：<https://github.com/MMSLAB-Programming-Language/106-Ch0-Lab4>

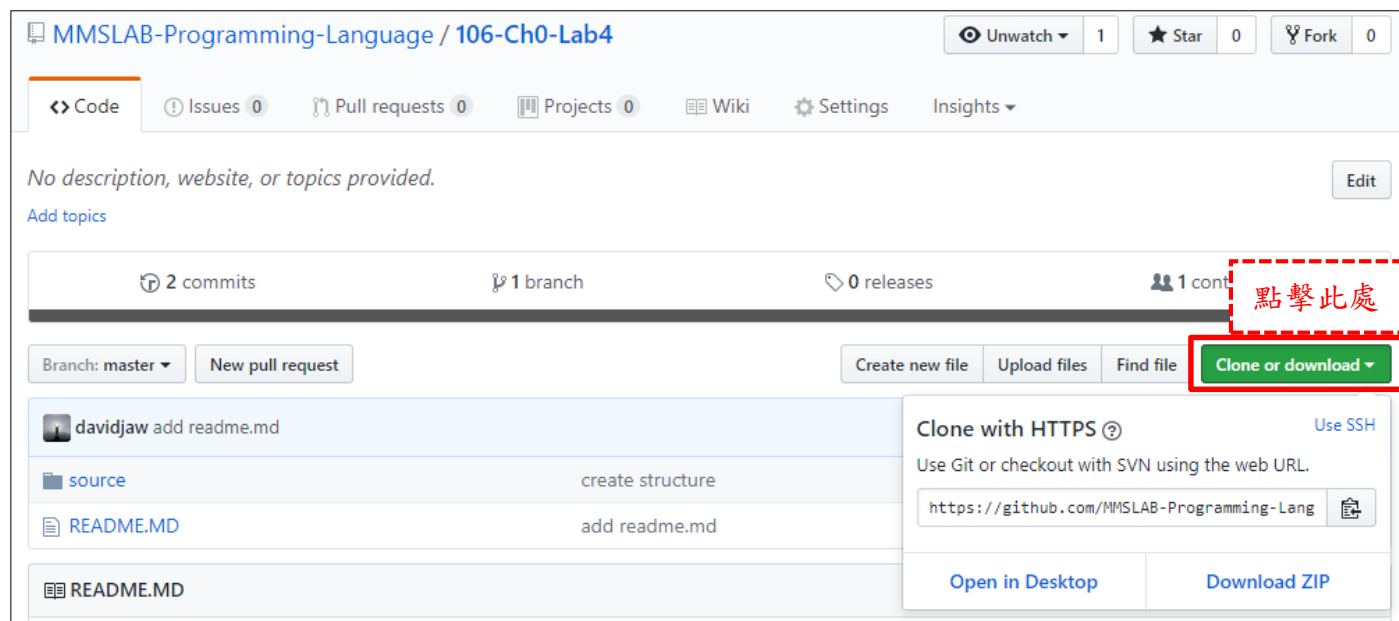


成功後，應會看到如下畫面

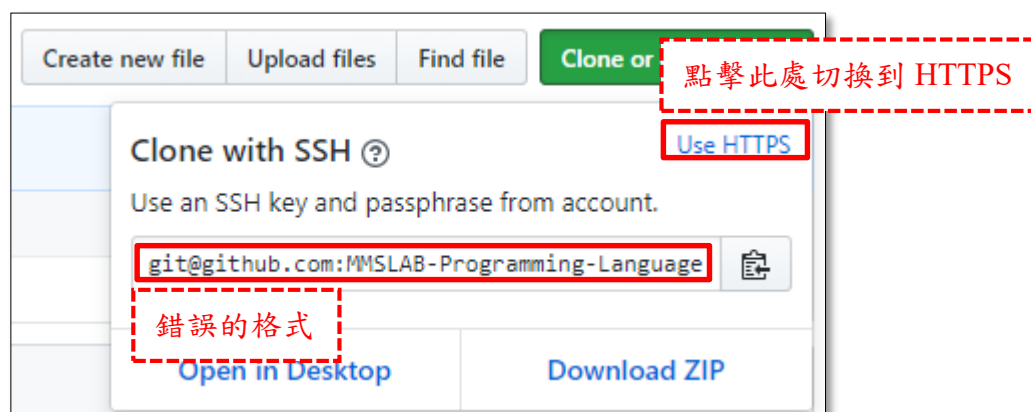


2. 將專案 Clone 到自己電腦

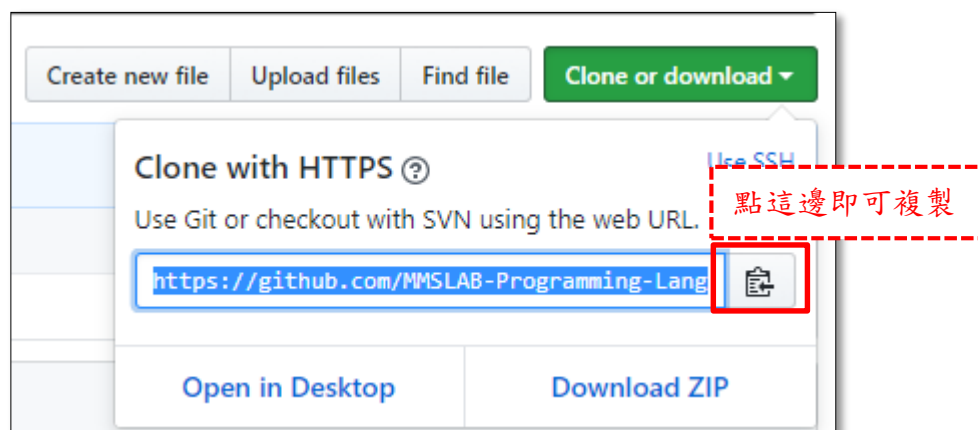
首先我們要取得專案在遠端資料庫的位置：



注意！如果網址為 `git@xxxxxxx` 請點擊 Use HTTPS 來切換模式讓網址變為 `https://xxxxxx`



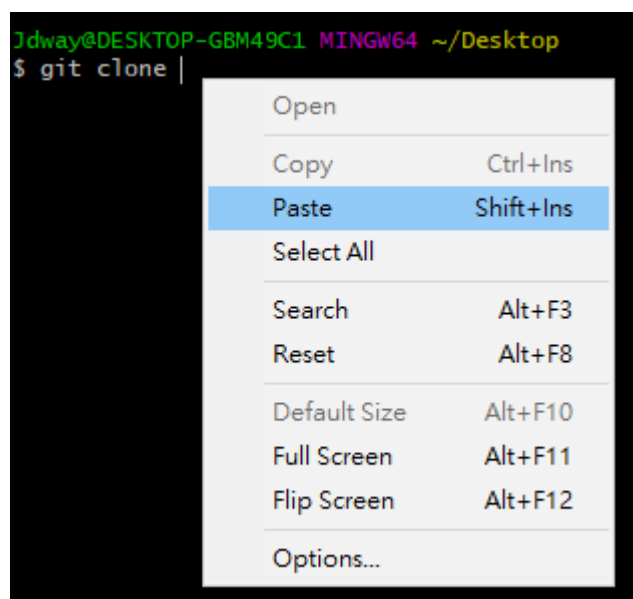
複製欄位內的文字



到桌面開啟 Git Bash



輸入指令進行下載專案(命令列點擊右鍵可以選貼上)



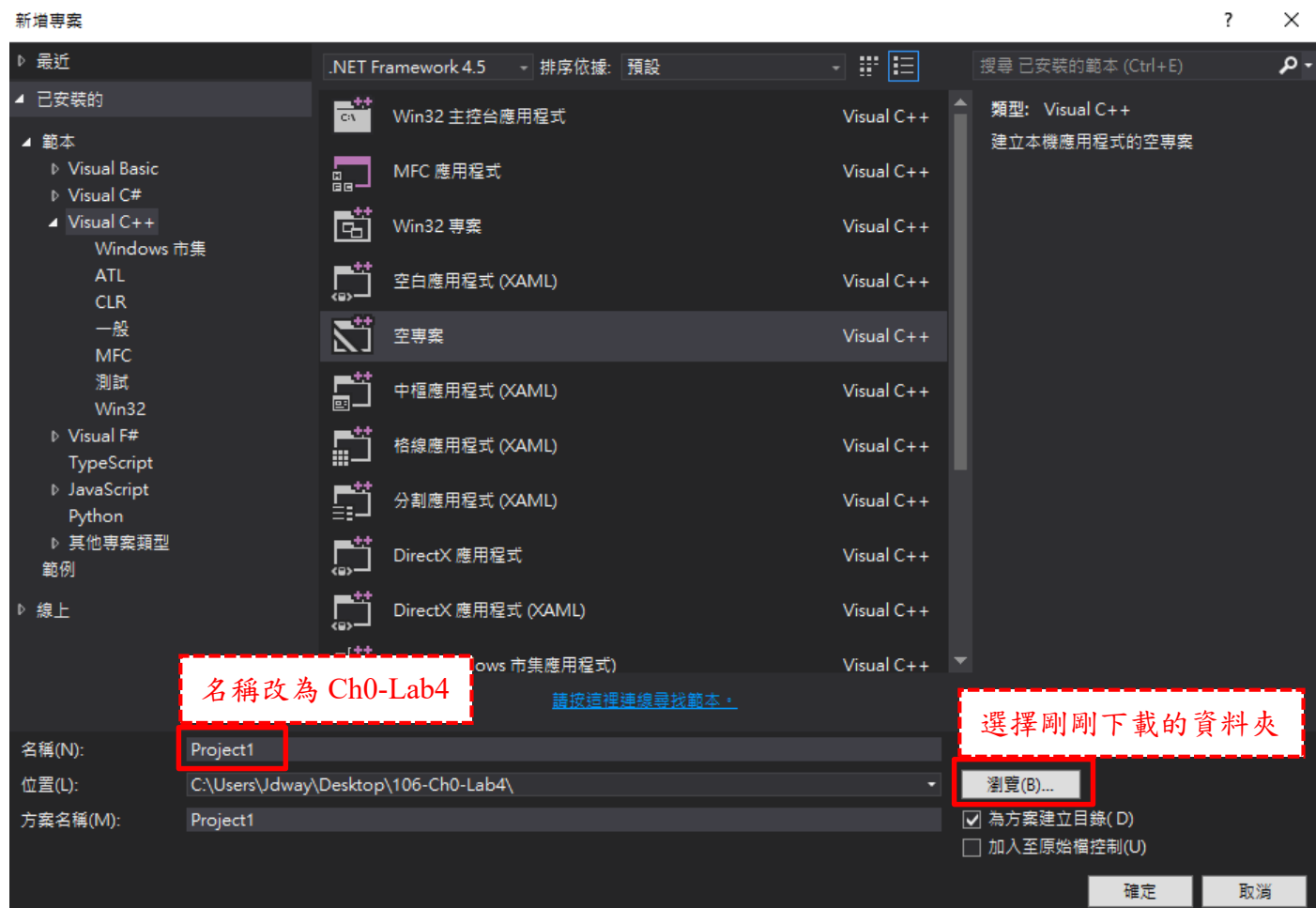
輸入指令情況：

```
Jdway@DESKTOP-GBM49C1 MINGW64 ~/Desktop
$ git clone https://github.com/MMSLAB-Programming-Language/106-Ch0-Lab4.git
Cloning into '106-Ch0-Lab4'...
remote: Counting objects: 7, done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 7 (delta 0), reused 7 (delta 0), pack-reused 0
Unpacking objects: 100% (7/7), done.

Jdway@DESKTOP-GBM49C1 MINGW64 ~/Desktop
$ |
```

3. 創建 C 專案

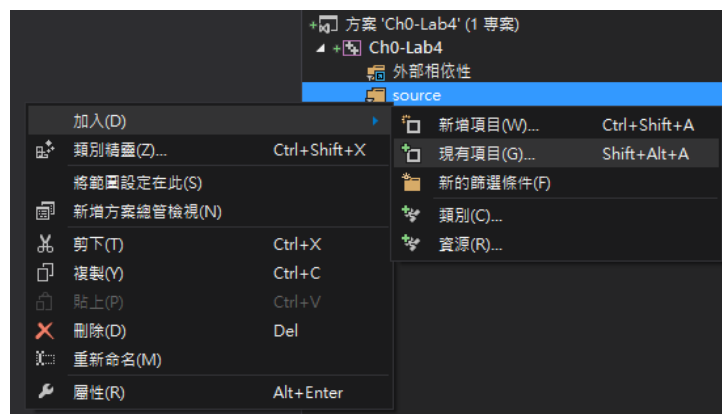
開啟 Visual Studio 2013，選擇剛剛下載的資料夾進行專案建立



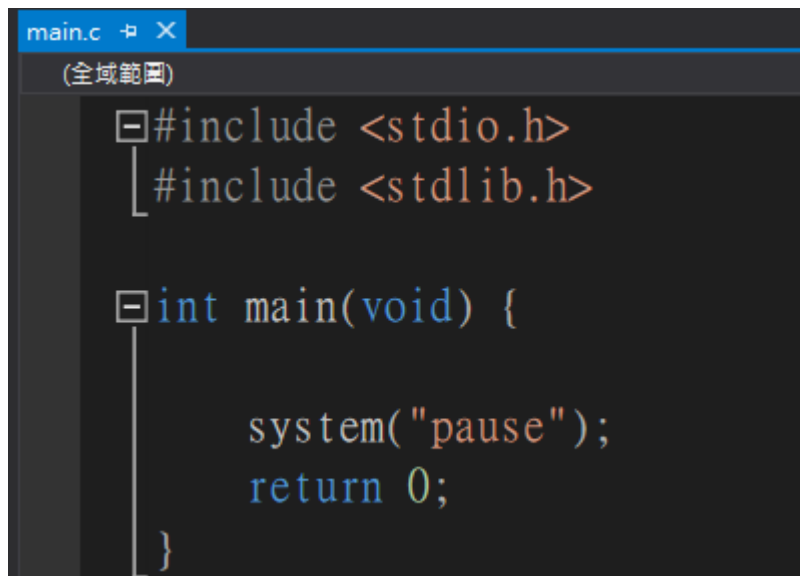
一樣記得修改 source, include, 創建 temp/debug 資料夾等等，修改後應如下圖：



於 source 點擊右鍵，加入現有項目：



選擇資料夾內的 source/main.c 檔案，並點擊開啟：

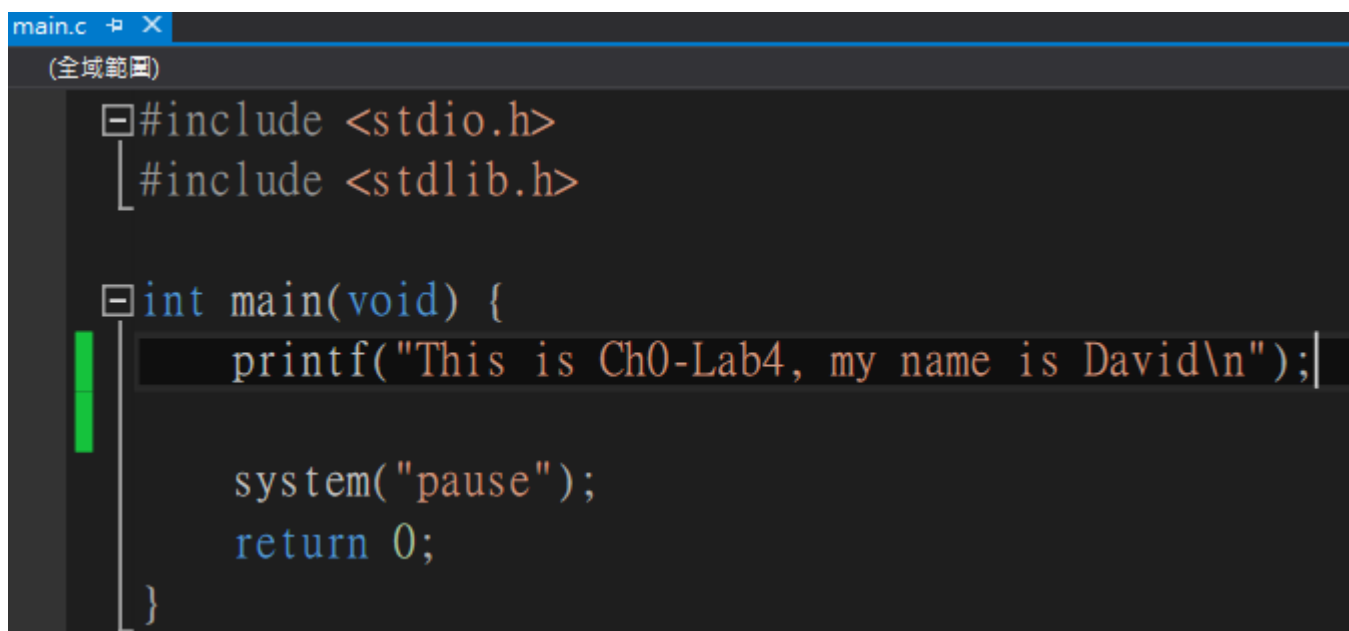


```
main.c [X]
(全域範圍)

#include <stdio.h>
#include <stdlib.h>

int main(void) {
    system("pause");
    return 0;
}
```

4. 修改 main.c 檔案，加入一行：



```
main.c [X]
(全域範圍)

#include <stdio.h>
#include <stdlib.h>

int main(void) {
    printf("This is Ch0-Lab4, my name is David\\n");

    system("pause");
    return 0;
}
```

5. 推送到遠端伺服器

```
Jdway@DESKTOP-GBM49C1 MINGW64 ~/Desktop/106-Ch0-Lab4 (master)
$ git add .
warning: CRLF will be replaced by LF in .gitattributes.
The file will have its original line endings in your working directory.
warning: CRLF will be replaced by LF in .gitignore.
The file will have its original line endings in your working directory.
warning: CRLF will be replaced by LF in Ch0-Lab4/Ch0-Lab4.sln.
The file will have its original line endings in your working directory.
warning: CRLF will be replaced by LF in Ch0-Lab4/Ch0-Lab4/Ch0-Lab4.vcxproj.
The file will have its original line endings in your working directory.
warning: CRLF will be replaced by LF in Ch0-Lab4/Ch0-Lab4/Ch0-Lab4.vcxproj.filters.
The file will have its original line endings in your working directory.

Jdway@DESKTOP-GBM49C1 MINGW64 ~/Desktop/106-Ch0-Lab4 (master)
$ git commit -m 'Project update'
[master dd86237] Project update
6 files changed, 331 insertions(+), 1 deletion(-)
create mode 100644 .gitattributes
create mode 100644 .gitignore
create mode 100644 Ch0-Lab4/Ch0-Lab4.sln
create mode 100644 Ch0-Lab4/Ch0-Lab4/Ch0-Lab4.vcxproj
create mode 100644 Ch0-Lab4/Ch0-Lab4/Ch0-Lab4.vcxproj.filters

Jdway@DESKTOP-GBM49C1 MINGW64 ~/Desktop/106-Ch0-Lab4 (master)
$ git push
Counting objects: 11, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (10/10), done.
Writing objects: 100% (11/11), 4.12 KiB | 4.12 MiB/s, done.
Total 11 (delta 0), reused 0 (delta 0)
To https://github.com/MMSLAB-Programming-Language/106-Ch0-Lab4.git
8dd2bfc..dd86237 master -> master

Jdway@DESKTOP-GBM49C1 MINGW64 ~/Desktop/106-Ch0-Lab4 (master)
$ |
```

6. 從網頁發起 pull-request

到自己的專案網站上，點擊 New pull request

Jdway / 106-Ch0-Lab4
forked from MMSLAB-Programming-Language/106-Ch0-Lab4

Unwatch 1 Star 0 Fork 1

Code Pull requests 0 Projects 0 Wiki Settings Insights

No description, website, or topics provided. Edit

Add topics

2 commits 1 branch 0 releases 1 contributor

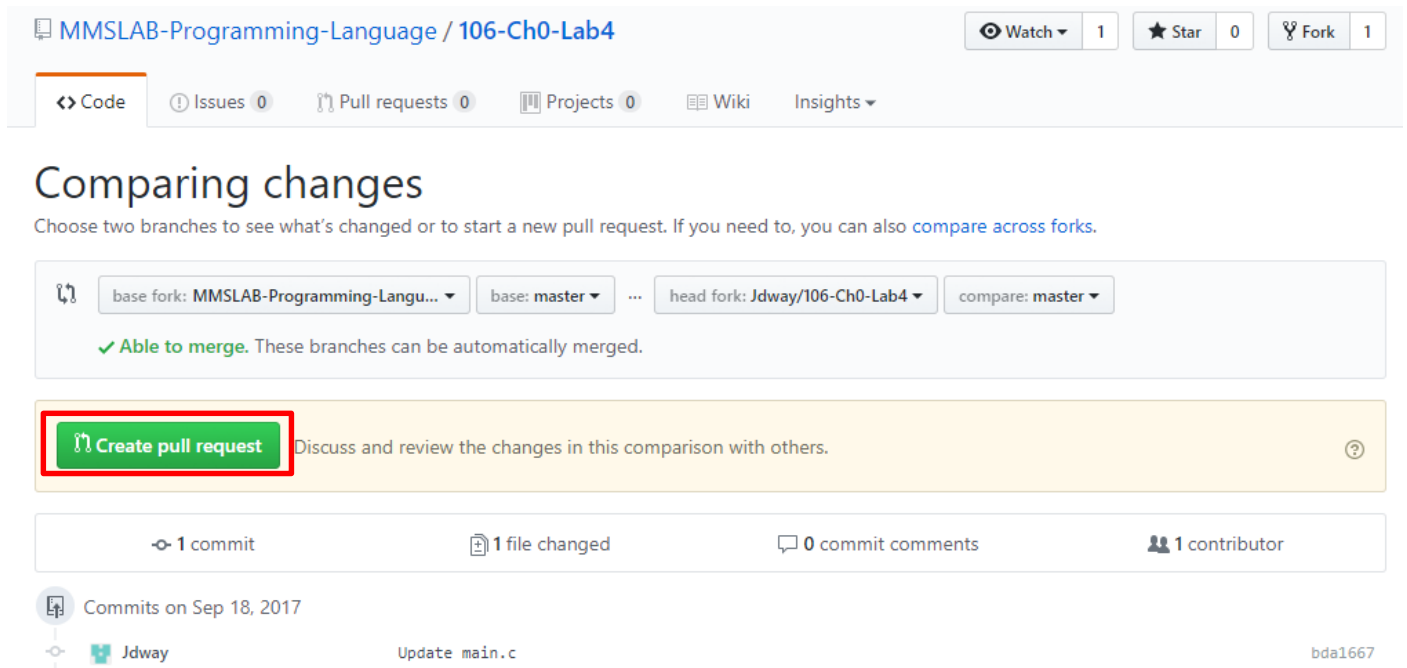
Branch: master New pull request Create new file Upload files Find file Clone or download

This branch is even with MMSLAB-Programming-Language:master. Pull request Compare

davidjaw add readme.md	Latest commit 8dd2bfc an hour ago
source create structure	an hour ago
README.MD add readme.md	an hour ago

可以在畫面中看到你對線上的專案進行了多少修改，是否有衝突等等

點擊 Create pull request



MMSLAB-Programming-Language / 106-Ch0-Lab4

Watch 1 Star 0 Fork 1

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights

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 fork: MMSLAB-Programming-Langu... base: master ... head fork: Jdway/106-Ch0-Lab4 compare: master

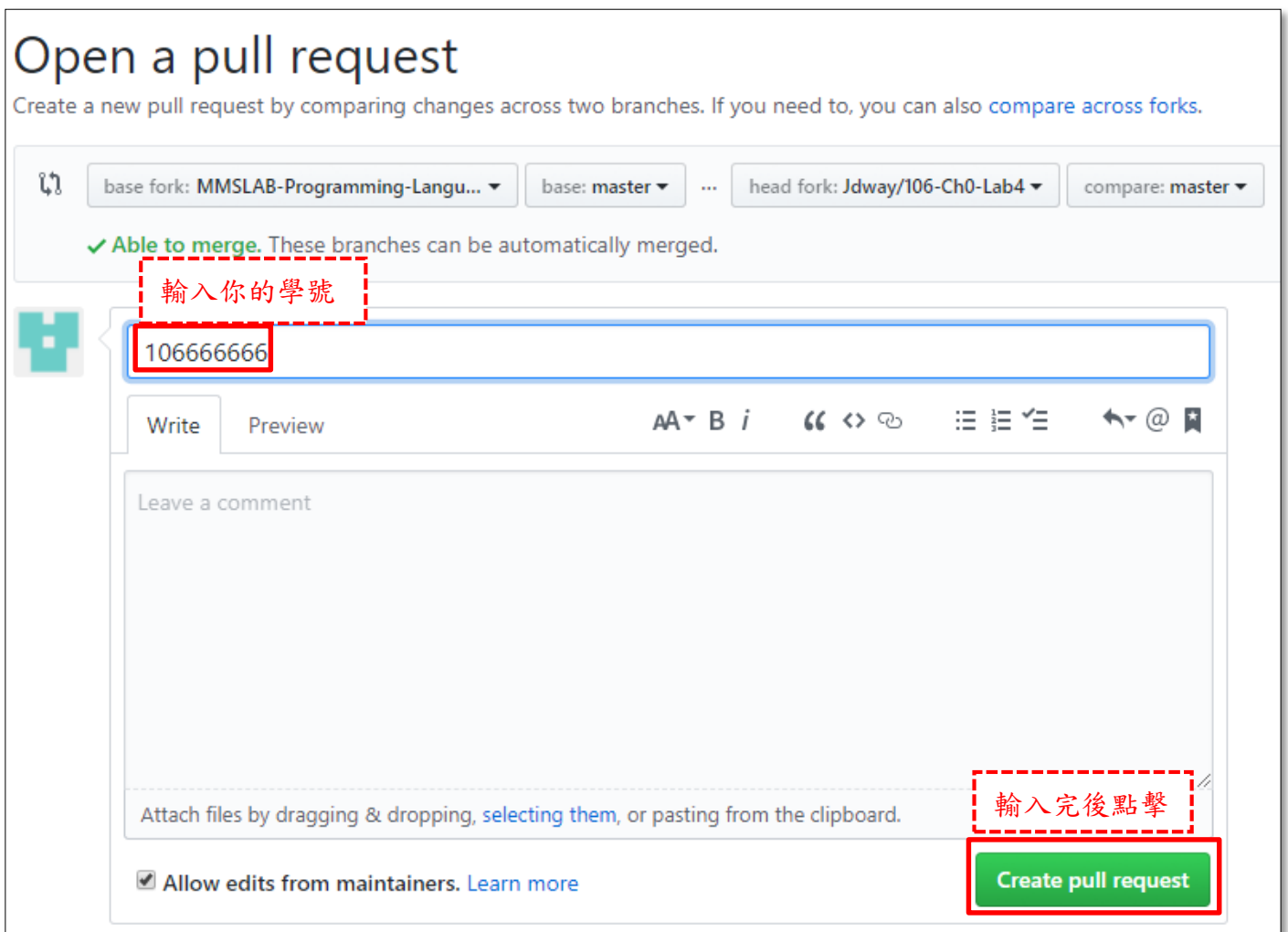
✓ Able to merge. These branches can be automatically merged.

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

1 commit 1 file changed 0 commit comments 1 contributor

Commits on Sep 18, 2017

Jdway Update main.c bda1667



Open a pull request

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

base fork: MMSLAB-Programming-Langu... base: master ... head fork: Jdway/106-Ch0-Lab4 compare: master

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

輸入你的學號

106666666

Write Preview

AA B i “ < > ↺ ⋮ ⋮ ✓ ↶ @

Leave a comment

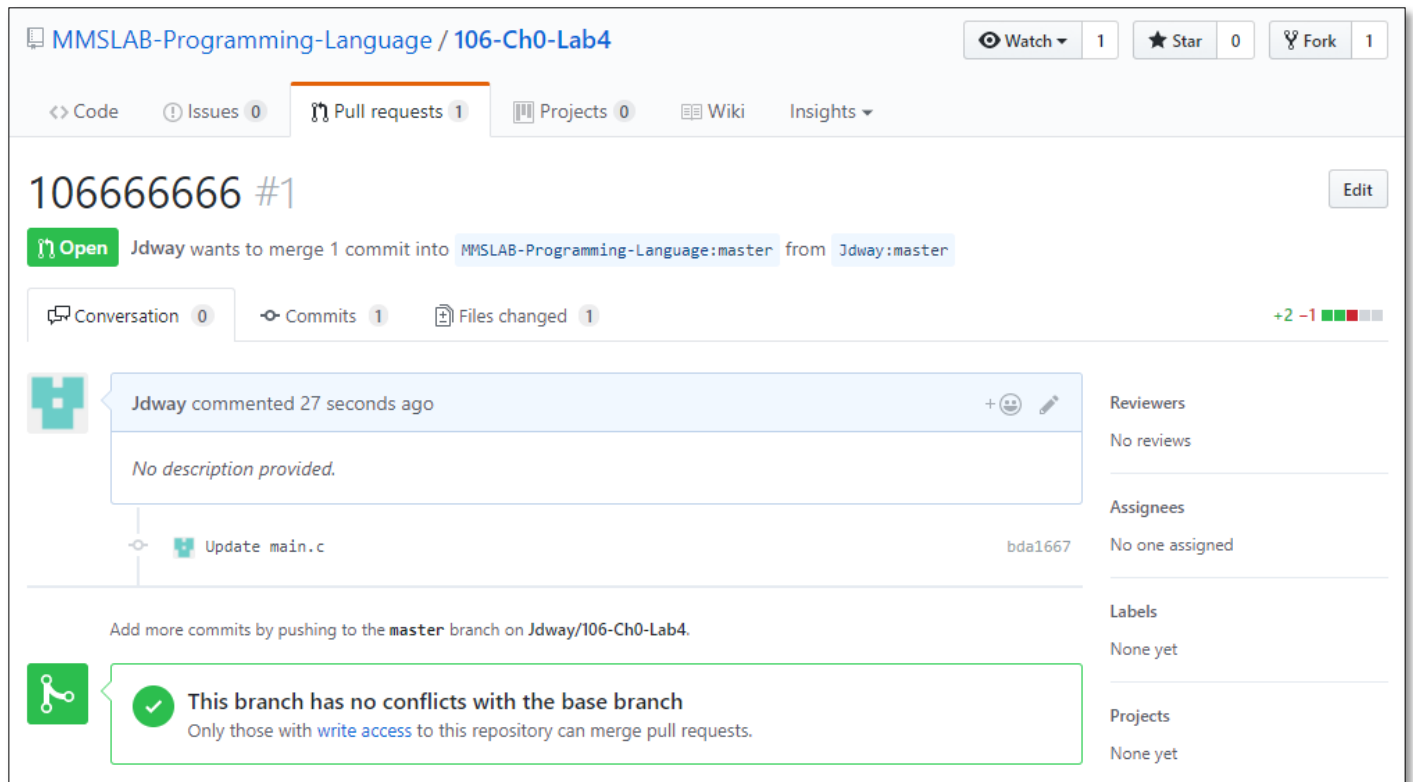
Attach files by dragging & dropping, [selecting them](#), or pasting from the clipboard.

輸入完後點擊

Allow edits from maintainers. [Learn more](#)

Create pull request

成功後會看到如下畫面：



如此該開源專案的管理者就會收到通知，他能審核是否要將你的更動 merge 到他的專案內。

四、 檢查重點

1. Pull request 畫面
2. 專案設定是否正確