

軟體動物? Mollusca

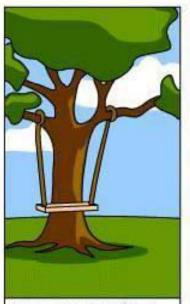




軟體(Software) 不等於軟體(Mollusca)



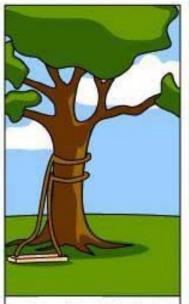
客戶解釋他們想要的



專案主持人對客戶需求 的認知



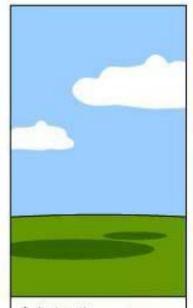
系统分析師所設計的



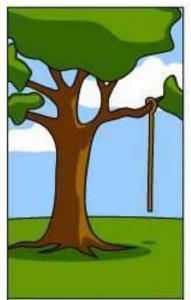
程式設計師所寫出來的



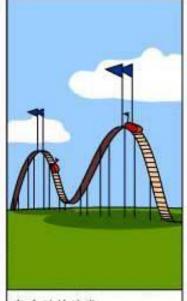
顧問所描繪的顯景



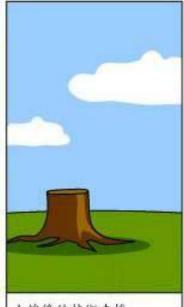
專案的文件



最後交付给客戶的軟體



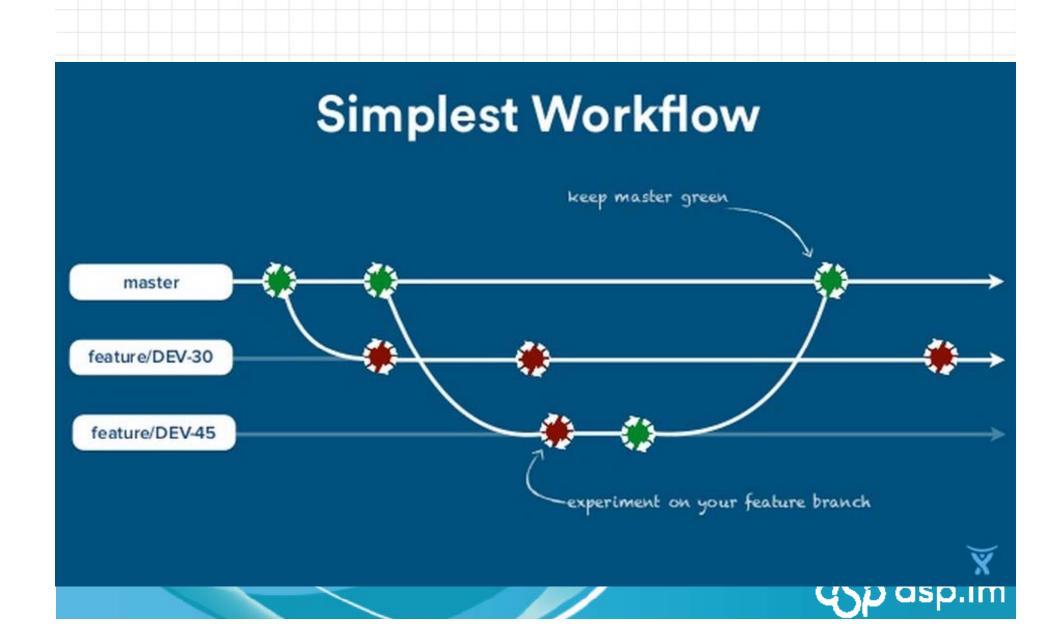
客户所付的錢



上線後的技術支援



客户真正需要的



GitHub

GitHub [編輯]

GitHub是一個共享虛擬主機服務,用於存放使用Git版本控制的 軟體代碼和內容專案。它由GitHub公司(曾稱Logical Awesome)的開發者Chris Wanstrath、PJ Hyett和Tom Preston-Werner使用Ruby on Rails編寫而成。

GitHub 同時提供付費帳戶和免費帳戶。這兩種帳戶都可以建立 公開的代碼倉庫,但是付費帳戶也可以建立私有的代碼倉庫。根 據在2009年的Git使用者調查,GitHub是最流行的Git存取站 點。[2]除了允許個人和組織建立和存取代碼庫以外,它也提供了 一些方便社會化軟體開發的功能,包括允許使用者跟蹤其他使用 者、組織、軟體庫的動態,對軟體代碼的改動和 bug 提出評論 等。GitHub也提供了圖表功能,用於顯示開發者們怎樣在代碼庫 上工作以及軟體的開發活躍程度。

截止到 2015 年, GitHub 已經有超過九百萬註冊使用者和 2110 萬代碼倉庫。[3]事實上已經成為了世界上最大的代碼存放網 tt.t; 。[4]

GitHub

GitHub

公司類型

私人

創始人

Tom Preston-Werner

Chris Wanstrath

PJ Hyett

執行長

Chris Wanstrath

總部地點

美國加利福尼亞州舊金山

產業

軟體

所有者

GitHub, Inc.

網址

github.com 🗗

Alexa排名

■ 世界 163 ▼ 16

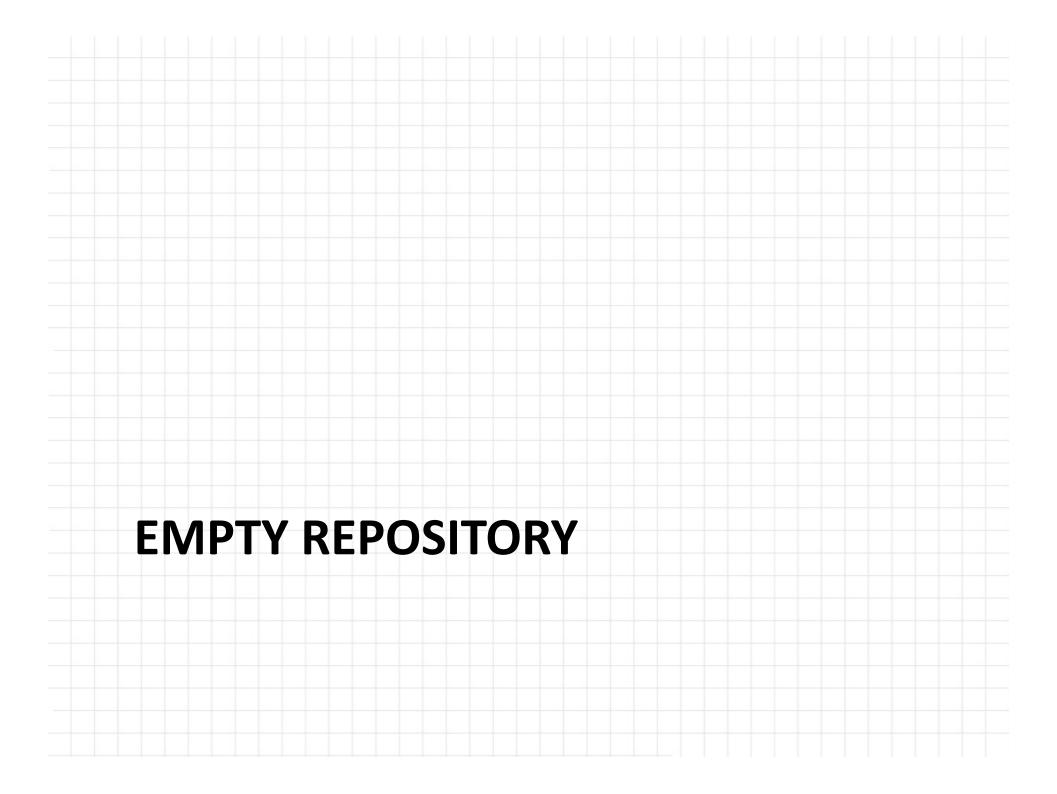
■■ 美國 149

中國 304^[1]

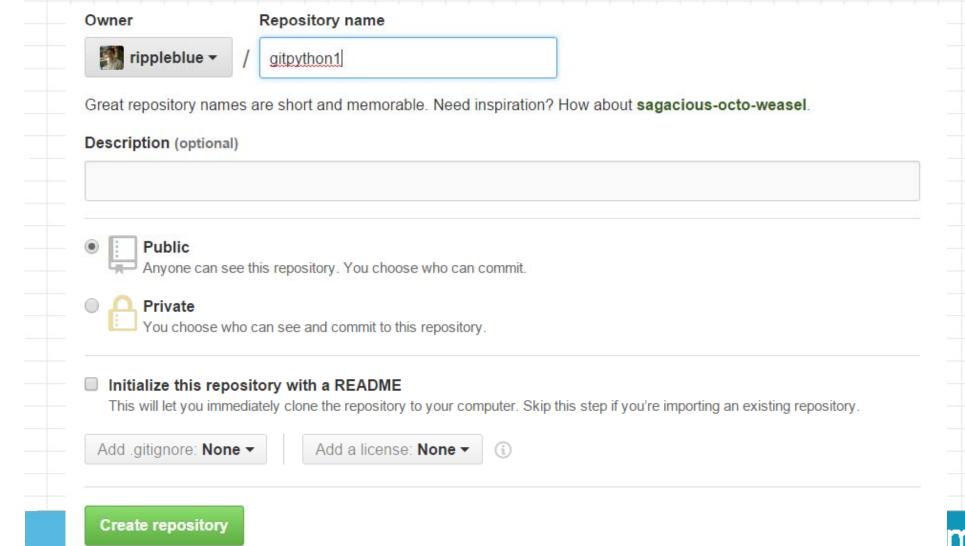
Set up

 git config --global user.name "jerry" git config --global user.email "jerry@mail.ntust.edu.tw"





Empty repository



• 自行進資料夾新增檔案(windows)

...or create a new repository on the command line

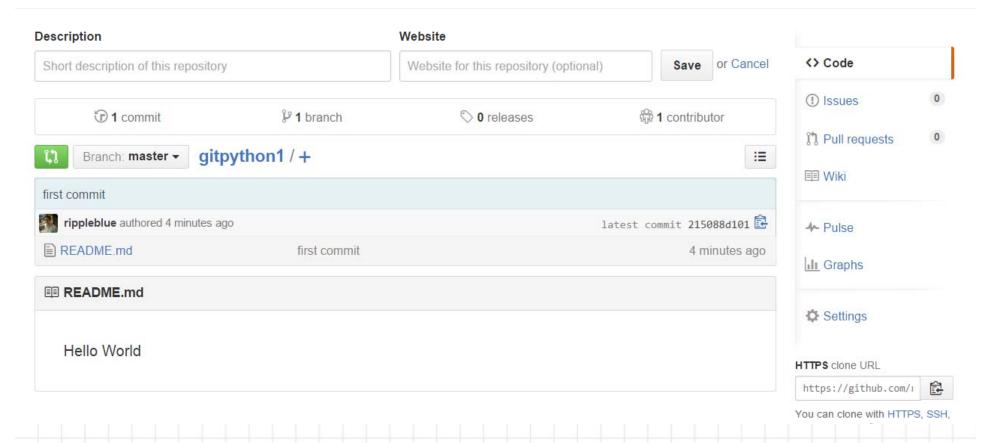
```
echo # gitpython1 >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/rippleblue/gitpython1.git
git push -u origin master
```

空的必須加



成功畫面





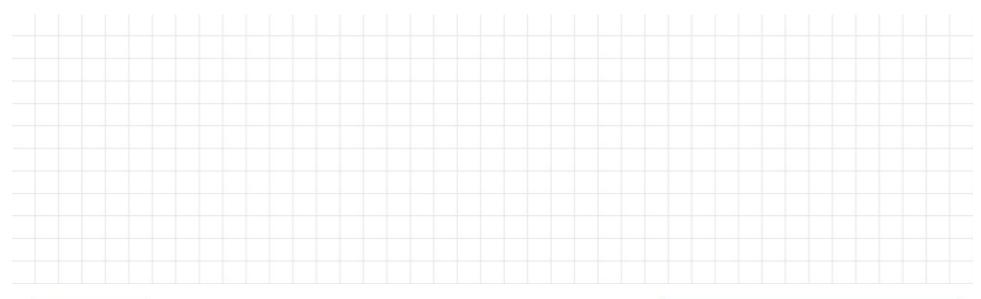


¥ Fork 0

★ Star 0

O Unwatch ▼









You've been added to the codefortomorrow organization!

Here are some quick tips for a first-time organization member.

• Use the switch context button in the upper left corner of this page to switch between your personal context (rippleblue) and organizations you are a member of.



X

· After you switch contexts you'll see an organization-focused dashboard that lists out organization repositories and activities.



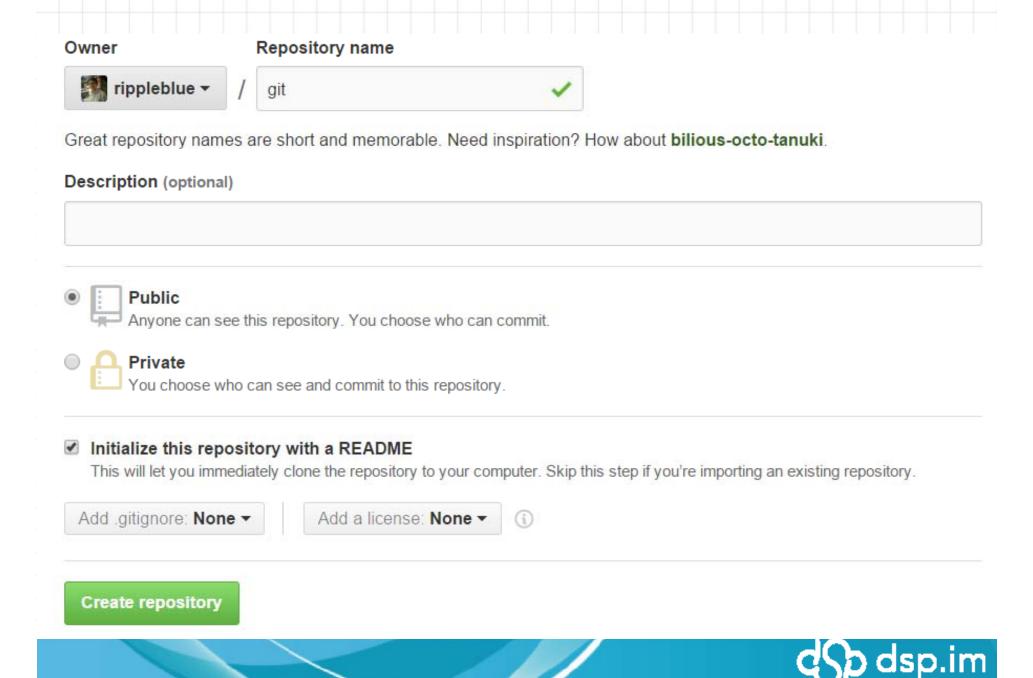
((e)) Easier feeds for GitHub Pages If you publish a blog using GitHub page

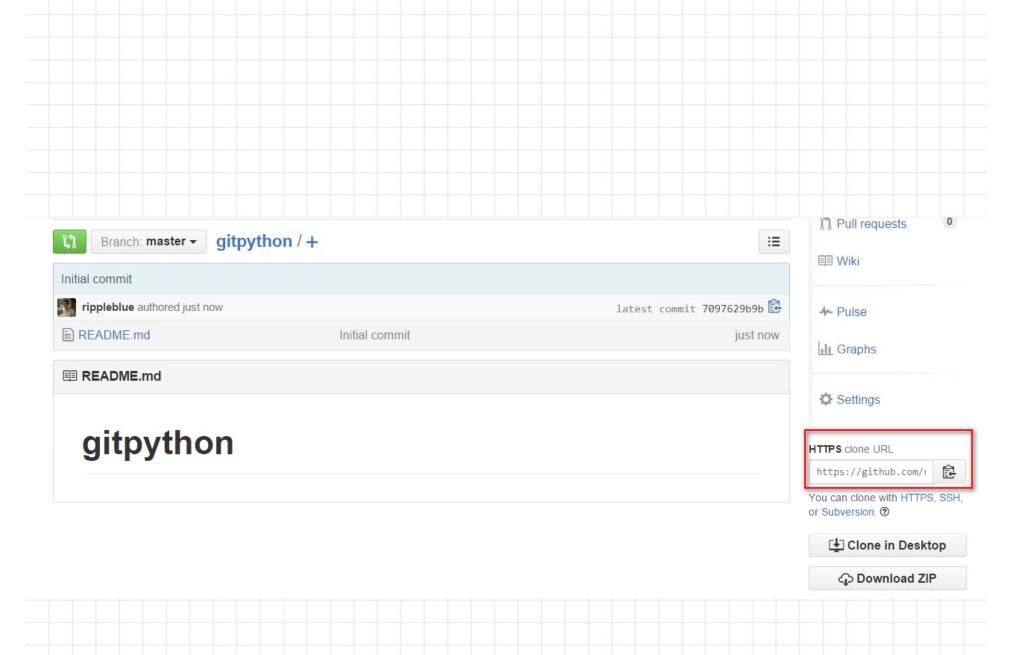
If you publish a blog using GitHub pages, it's now easier for others to subscribe to updates with the Jekyll feed plugin.

View 76 new broadcasts











Non-empty Repository

- git clone https://github.com/rippleblue/pythontest2.git
- cd gitpyton
- 自行新增檔案至資料夾
- git add.
- git commit –m "11.txt"
- git push origin master
- git log



Non-empty Repository

- 再新增檔案至資料夾
- git add .
- git commit –m "new commit"
- git push



新檔案上傳

- 再新增檔案至資料夾
- git add.
- git commit –m "new commit"
- git push

```
[master +1 \sim 0 -0 ]]> git add . [master +1 \sim 0 -0]> git add.
```

[master
$$\pm 1$$
 ~ 0 -0]:



DELETE FILES

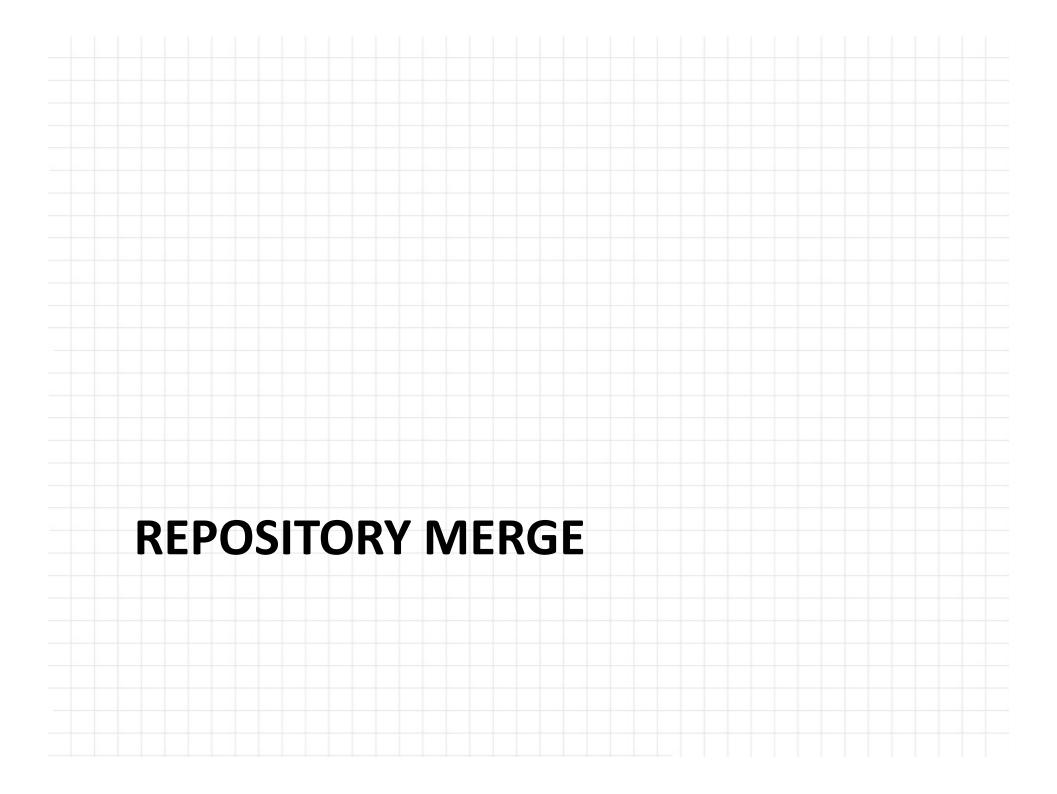
Error?

```
LastWriteTime
                                            Length Name
Mode
             2015/9/26 下午 10:35
                                                  5 README.md
::\Users\rippleblue2002\Documents\GitHub\Rtest [master +0 ~0 ~1]> git add .
warning: You ran 'git add' with neither '-A (--all)' or '--ignore-removal',
whose behaviour will change in Git 2.0 with respect to paths you removed.
Paths like '1.txt' that are
removed from your working tree are ignored with this version of Git.
 'git add --ignore-removal <pathspec>', which is the current default, ignores paths you removed from your working tree.
 'git add --all <pathspec>' will let you also record the removals.
Run 'git status' to check the paths you removed from your working tree.
:\Users\rippleblue2002\Documents\GitHub\Rtest [master +0 ~0 ~1]> git commit -m "Delete 1.txt"
On branch master
Your branch is up-to-date with 'origin/master'.
Changes not staged for commit:
no changes added to commit
```



Delete files







- gitpython_empty
 - 照舊再做一次



git remote add origin
 https://github.com/rippleblue/gitpython_emp
 ty.git

- git add.
- git branch new1
- git branch
- git checkout new1





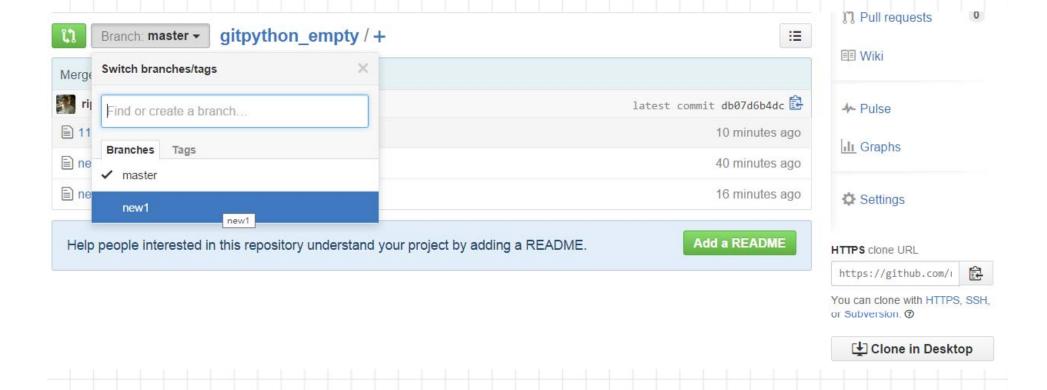
- git add.
- git commit –m "new1 branch"
- git push
- git push origin new1



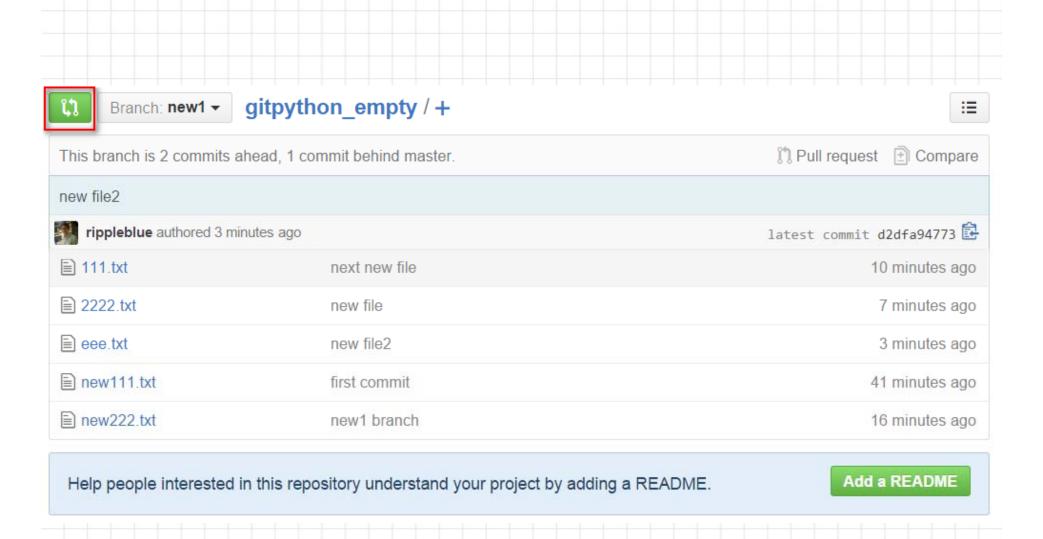
- git checkout master
- git merge new1
- git push



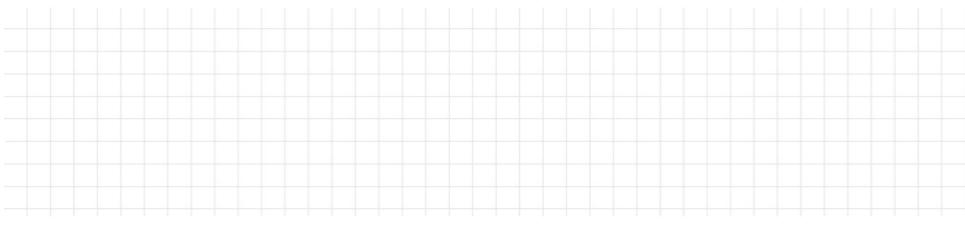


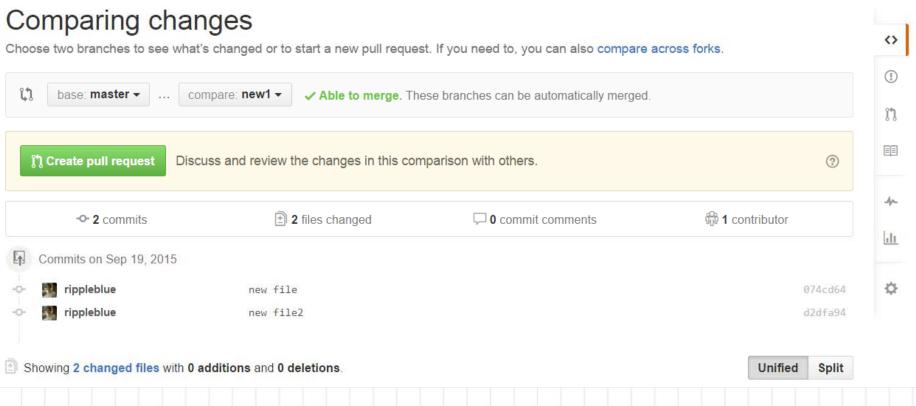














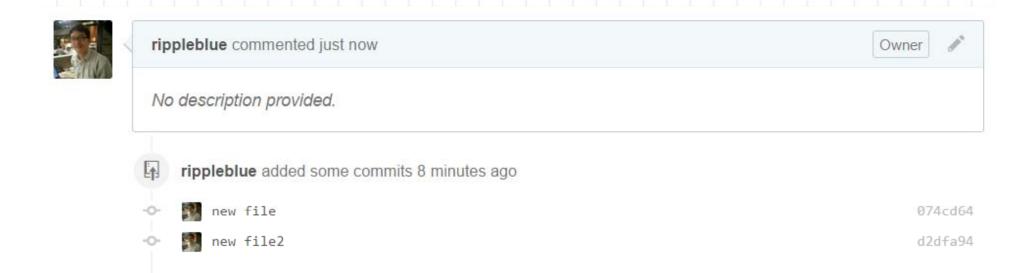




New1 new file1		
Write	Preview	Markdown supported
Leave a	a comment	
Attach is	mages by dragging & dropping, selecting them, or	pasting from the cliphoard

Create pull request





Add more commits by pushing to the new1 branch on rippleblue/gitpython_empty.







Create and delete branches

Create

```
C:\Users\rippleblue2002\Documents\GitHub\Rtest [master]; git branch
* master
C:\Users\rippleblue2002\Documents\GitHub\Rtest [master]; git branch v1
C:\Users\rippleblue2002\Documents\GitHub\Rtest [master]; git branch
* master
    v1
C:\Users\rippleblue2002\Documents\GitHub\Rtest [master];
```

Delete

```
C:\Users\rippleblue2002\Documents\GitHub\Rtest [master]> git branch -d v1
Deleted branch v1 (was 5f5b362).
<del>C:\Users\</del>rippleblue2002\Documents\GitHub\Rtest [master]> git branch
* master
C:\Users\rippleblue2002\Documents\GitHub\Rtest [master]>
```

• git branch -D new-branch # 強制刪除 new-branch



Switching branches

```
C:\Users\rippleblue2002\Documents\GitHub\Rtest [master]> git branch vl
C:\Users\rippleblue2002\Documents\GitHub\Rtest [master]> git branch
* master
    v1
C:\Users\rippleblue2002\Documents\GitHub\Rtest [master]> git checkout v1
Switched to branch 'v1'
C:\Users\rippleblue2002\Documents\GitHub\Rtest [v1]> git branch
    master
    v v1
C:\Users\rippleblue2002\Documents\GitHub\Rtest [v1]>
```





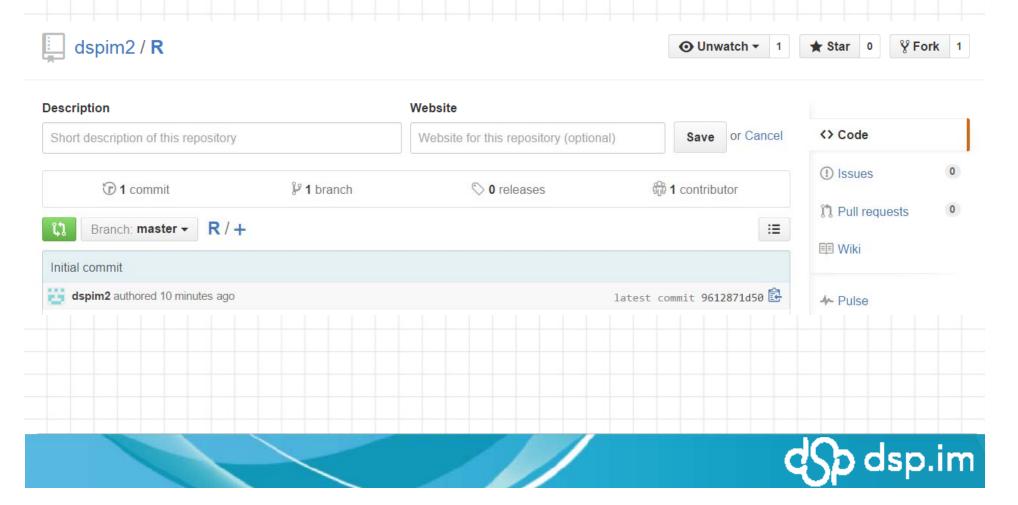
Exercise

- Try to create non-empty and Empty repository
- Try to commit to repository
- Try to push files to repository
- Try to delete files from repository
- How to upload your files to teacher repository?



How to upload your files to teacher repository?

• 提交檔案到老師的Repository



先Fork到本機

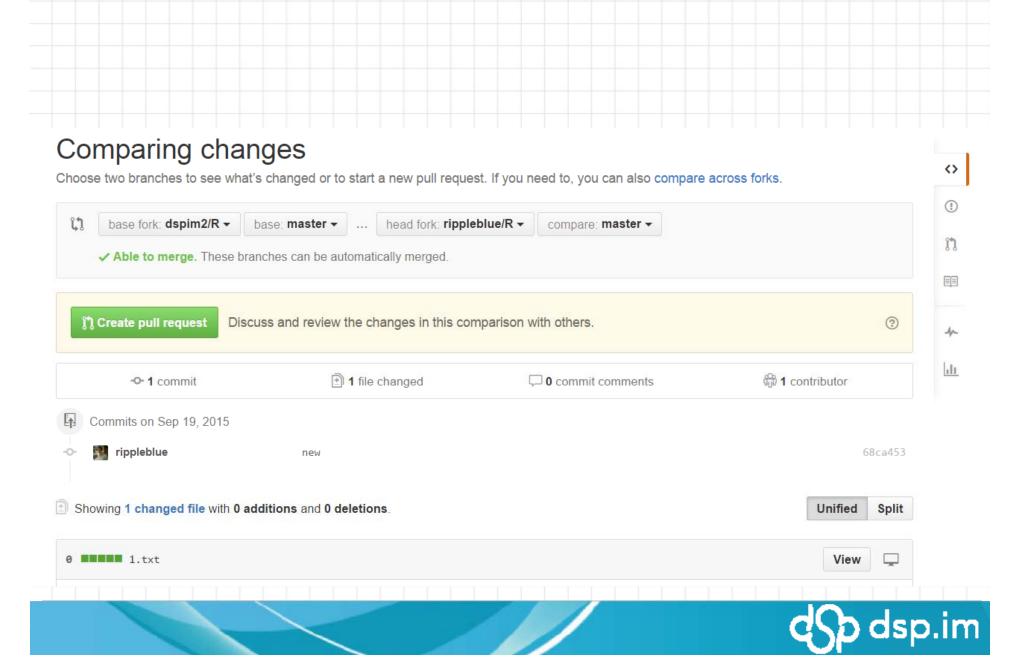
- git clone https://github.com/rippleblue/R.git
- 新增檔案
- Git add .
- Git commit –m "something new"
- Git push



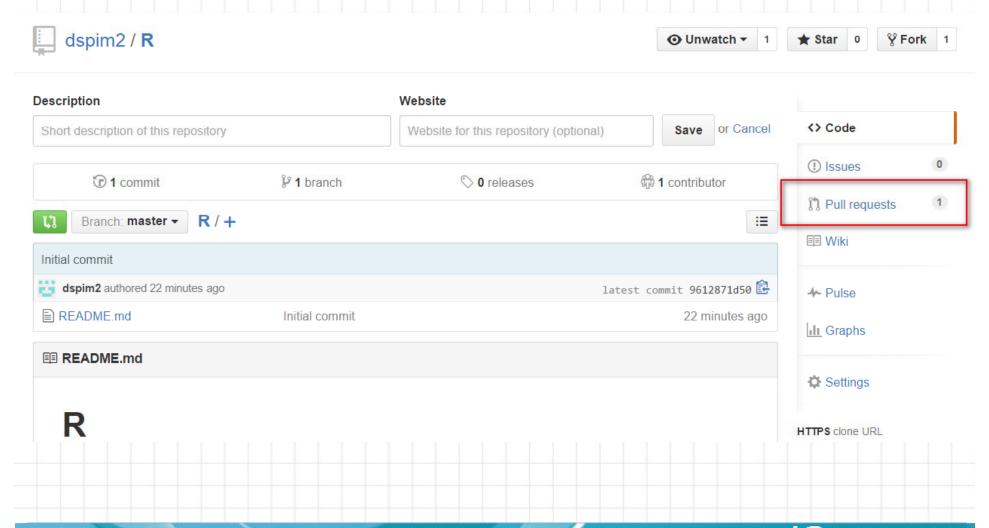
Create pull request



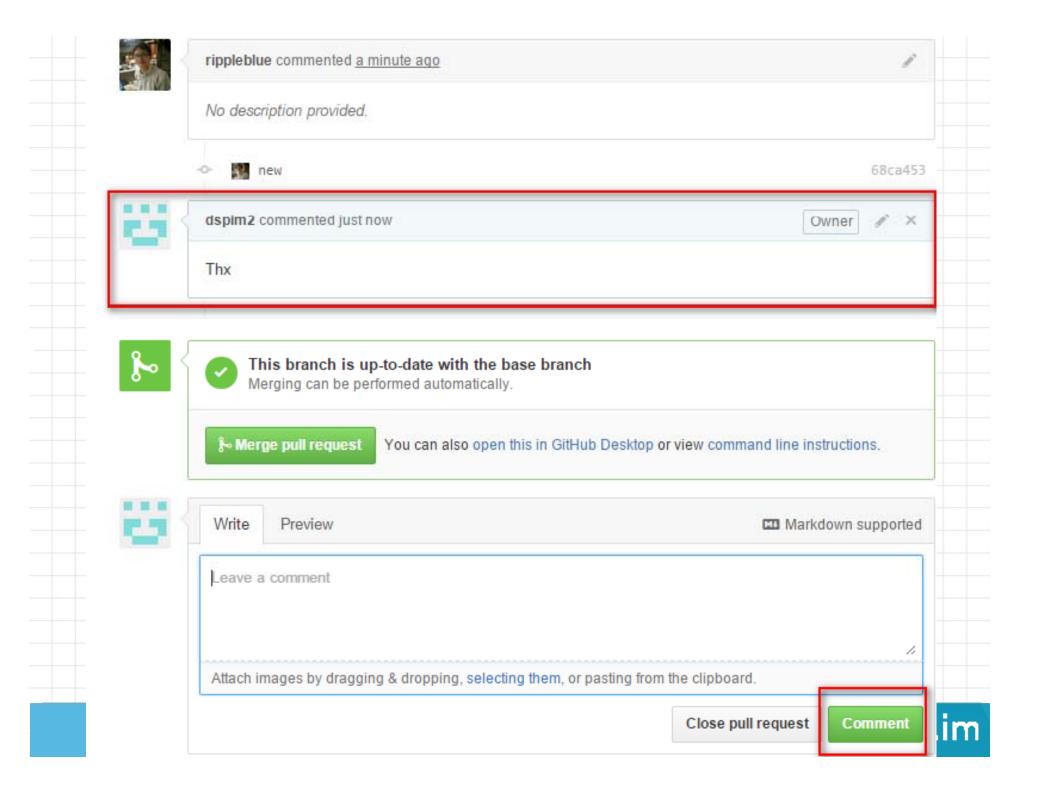




收到Pull requests的Repository











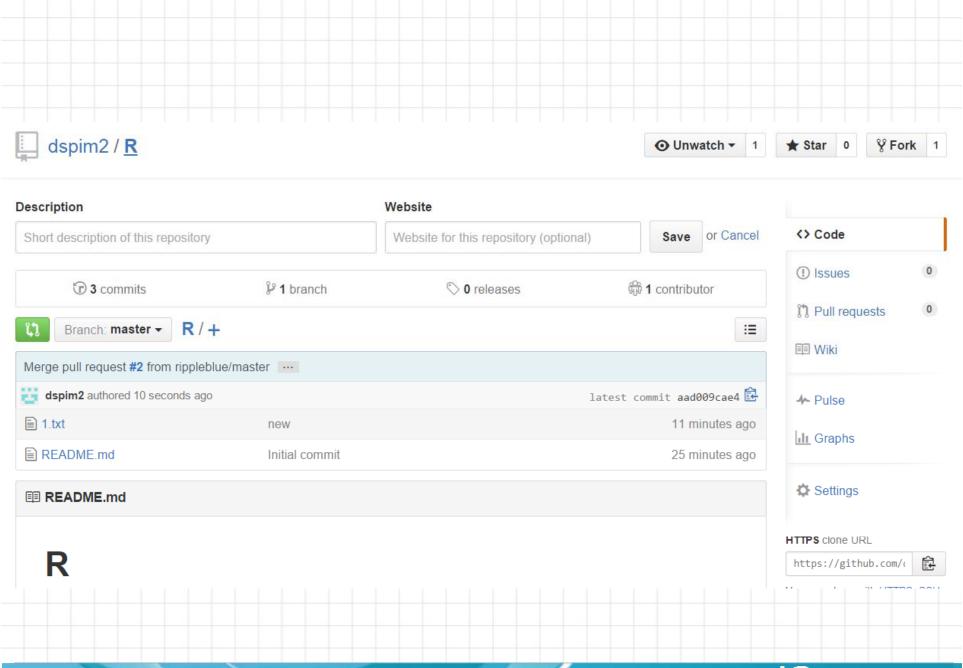
Merge pull request #2 from rippleblue/master

Something new2

冷 Confirm merge

Cancel









Git reset 還原

- 檔案經過Branch上傳
- 將v1進行Merge

```
C:\Users\rippleblue2002\Documents\GitHub\Rtest [v1]> git checkout master

Switched to branch 'master'

Your branch is up-to-date with 'origin/master'.

C:\Users\rippleblue2002\Documents\GitHub\Rtest [master]> git merge v1

Updating 5f5b362..816b591

Fast-forward

2.txt | 0

33.txt | 0

2 files changed, 0 insertions(+), 0 deletions(-)

create mode 100644 2.txt

create mode 100644 33.txt
```



```
C:\Users\rippleblue2002\Documents\GitHub\Rtest [master]> dir
     目錄: C:\Users\rippleblue2002\Documents\GitHub\Rtest
                      LastWriteTime
                                          Length Name
Mode
          2015/9/26 下午 11:15
2015/9/26 下午 11:15
2015/9/26 下午 11:15
2015/9/26 下午 10:35
                                             0 1.txt
                                              0 2.txt
                                              0 3.txt
                                               5 README.md
C:\Users\rippleblue2002\Documents\GitHub\Rtest [master]>                     git revert HEAD
[master f0a4e46] Revert "new"
 3 files changed, 0 insertions(+), 0 deletions(-)
 delete mode 100644 1.txt
 delete mode 100644 2.txt
 delete mode 100644 3.txt
C:\Users\rippleblue2002\Documents\GitHub\Rtest [master]> git push
Counting objects: 3, done.
Delta compréssion using up to 4 threads.
Compressing objects: 100% (1/1), done.
Writing objects: 100% (2/2), 254 bytes | 0 bytes/s, done.
Total 2 (delta 0), reused 0 (delta 0)
To https://github.com/rippleblue/Rtest.git
   a942f8f..f0a4e46 master -> master
C:\Users\rippleblue2002\Documents\GitHub\Rtest [master]> dir
     目錄: C:\Users\rippleblue2002\Documents\GitHub\Rtest
Mode
                     LastWriteTime
                                         Length Name
       2015/9/26 下午 10:35
                                          5 README.md
C:\Users\rippleblue2002\Documents\GitHub\Rtest [master]>
```

- git show HEAD^ (前一版本)
- git show HEAD^^ (前前一版本)
- git show HEAD~4 (前前前前一版本)

```
C:\Users\rippleblue2002\Documents\GitHub\Rtest [master]> git show HEAD^^^^^^
commit 929669b3419a4dd12562a3368d7e67fcd1d34d46
Author: jerry <jerry@mail.ntust.edu.tw>
        Sat Sep 26 22:37:16 2015 +0800
Date:
    txt2
diff --git a/2.txt b/2.txt
deleted file mode 100644
index e69de29..0000000
[1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 2.txt
C:\Users\rippleblue2002\Documents\GitHub\Rtest [master]> git push
Counting objects: 4, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 312 bytes | 0 bytes/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/rippleblue/Rtest.git
   f0a4e46..50ba30b master -> master
C:\Users\rippleblue2002\Documents\GitHub\Rtest [master]>
```



- git show filename #檢查狀態
- git diff filename #列出差異
- git stash #放入暫存區

