github 分支管理

1，创建本地分支

```
b41802@b41802-PC MINGW64 /d/b418/github (master)
$ git branch dev
```
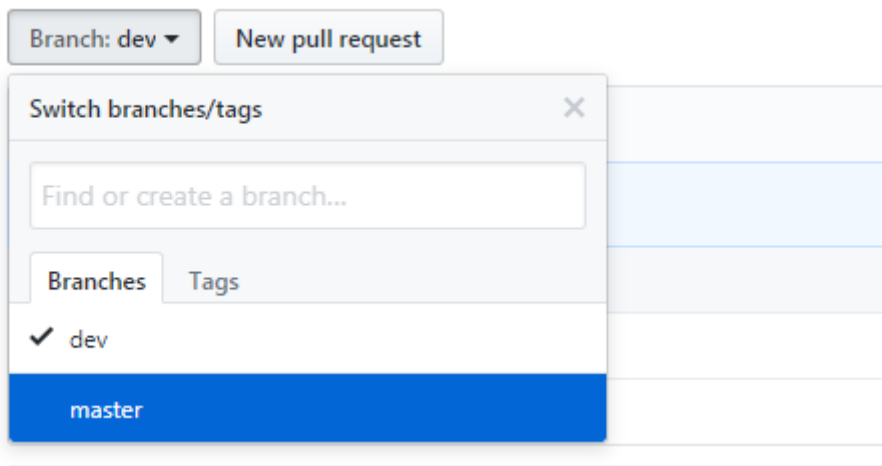
2，切换到新的分支

```
b41802@b41802-PC MINGW64 /d/b418/github (master)
$ git checkout dev
Switched to branch 'dev'
```

3，将新分支push到github

```
b41802@b41802-PC MINGW64 /d/b418/github (dev)
$ git push origin dev
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 336 bytes | 336.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'dev' on GitHub by visiting:
remote:      https://github.com/dearjohns/john/pull/new/dev
remote:
To github.com:dearjohns/john.git
 * [new branch]      dev -> dev
```

Branch: dev ▾   New pull request

Switch branches/tags   ✕

Find or create a branch...

Branches   Tags

✔ dev

master

4,提交当前分支信息

```
 [new branch]      dev -> dev

b41802@b41802-PC MINGW64 /d/b418/github (dev)
$ cat 11.txt
1433456789
b41802@b41802-PC MINGW64 /d/b418/github (dev)
$ git add 11.txt

b41802@b41802-PC MINGW64 /d/b418/github (dev)
$ git commit -m"dev-first"
```

5，切回master分支

切换回master分支后，再查看一个11.txt文件，刚才添加的内容不见了！因为那个提交是在dev分支上，而master分支此刻的提交点并没有变。

```
b41802@b41802-PC MINGW64 /d/b418/github (dev)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

b41802@b41802-PC MINGW64 /d/b418/github (master)
$ cat 11.txt
cat: 11.txt: No such file or directory
```

6，合并dev分支

```
b41802@b41802-PC MINGW64 /d/b418/github (master)
$ git merge dev
Updating 87ae228..f1db15d
Fast-forward
 11.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 11.txt

b41802@b41802-PC MINGW64 /d/b418/github (master)
$ cat 11.txt
1433456789
```

7，删除分支

```
b41802@b41802-PC MINGW64 /d/b418/github (master)
$ git push origin :dev
To github.com:dearjohns/john.git
 - [deleted]         dev
```

解决分支冲突

1，创建并使用分支，添加并提交到本地仓库

```
b41802@b41802-PC MINGW64 /d/b418/github (master)
$ git checkout -b f
Switched to a new branch 'f'

b41802@b41802-PC MINGW64 /d/b418/github (f)
$ tail -n3 11.txt
1433456789
qwe
b41802@b41802-PC MINGW64 /d/b418/github (f)
$ git add 11.txt

b41802@b41802-PC MINGW64 /d/b418/github (f)
$ git commit -m"ff"
[f 55e9d33] ff
 1 file changed, 2 insertions(+), 1 deletion(-)
```

2，切回到master且新增提交

```
b41802@b41802-PC MINGW64 /d/b418/github (f)
$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

b41802@b41802-PC MINGW64 /d/b418/github (master)
$ tail -n3 11.txt
1433456789
ooo
b41802@b41802-PC MINGW64 /d/b418/github (master)
$ git add 11.txt

b41802@b41802-PC MINGW64 /d/b418/github (master)
$ git commit -m"mf"
[master 7a4e81b] mf
 1 file changed, 2 insertions(+), 1 deletion(-)
```

3，合并分支，发现冲突.查看冲突文件

```
b41802@b41802-PC MINGW64 /d/b418/github (master)
$ git merge f
Auto-merging 11.txt
CONFLICT (content): Merge conflict in 11.txt
Automatic merge failed; fix conflicts and then commit the result.

b41802@b41802-PC MINGW64 /d/b418/github (master|MERGING)
$ git status
warning: unable to access '.gitignore': Permission denied
On branch master
Your branch is ahead of 'origin/master' by 2 commits.
  (use "git push" to publish your local commits)

You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Unmerged paths:
  (use "git add <file>..." to mark resolution)

        both modified:   11.txt

no changes added to commit (use "git add" and/or "git commit -a")
```

4，查看冲突内容并修改提交

```
b41802@b41802-PC MINGW64 /d/b418/github (master|MERGING)
$ cat 11.txt
1433456789
<<<<<<< HEAD
ooo
=======
qwe
>>>>>>> f

b41802@b41802-PC MINGW64 /d/b418/github (master|MERGING)
$ cat 11.txt
zZ1433456789
qwe
b41802@b41802-PC MINGW64 /d/b418/github (master|MERGING)
$ git add 11.txt

b41802@b41802-PC MINGW64 /d/b418/github (master|MERGING)
$ git commit -m"mt"
```

详细步骤解释参考http://www.cnblogs.com/juncaoit/p/9349374.html

http://www.cnblogs.com/zhanglianghhh/p/9739301.html

https://blog.csdn.net/taowuhua0505/article/details/80499540