# Git的一些基础操作

## 创建本地分支并提交至远程

本地创建一个新的分支test\_branch

Allen@Allen-PC MINGW64 /d/CodeForC++/TempMeta/FSM (master)

$ git branch test\_branch

切换到新分支

Allen@Allen-PC MINGW64 /d/CodeForC++/TempMeta/FSM (master)

$ git checkout test\_branch

Switched to branch 'test\_branch'

在新分支里加了Readme.txt文件add并commit

Allen@Allen-PC MINGW64 /d/CodeForC++/TempMeta/FSM (test\_branch)

$ git add Readme.txt

Allen@Allen-PC MINGW64 /d/CodeForC++/TempMeta/FSM (test\_branch)

$ git commit -m "Add Readme"

[test\_branch 7b47c6c] Add Readme

1 file changed, 3 insertions(+)

create mode 100644 Readme.txt

Allen@Allen-PC MINGW64 /d/CodeForC++/TempMeta/FSM (test\_branch)

$ git status

On branch test\_branch

nothing to commit, working tree clean

切回主分支

Allen@Allen-PC MINGW64 /d/CodeForC++/TempMeta/FSM (test\_branch)

$ git checkout master

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

Switched to branch 'master'

Allen@Allen-PC MINGW64 /d/CodeForC++/TempMeta/FSM (master)

$ git branch

\* master

test\_branch

将本地新增的分支提交到远程服务器

Allen@Allen-PC MINGW64 /d/CodeForC++/TempMeta/FSM (master)

$ git push test\_branch

fatal: 'test\_branch' does not appear to be a git repository

fatal: Could not read from remote repository.

Please make sure you have the correct access rights

and the repository exists.

Allen@Allen-PC MINGW64 /d/CodeForC++/TempMeta/FSM (master)

$ git push origin test\_branch

Counting objects: 3, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 381 bytes | 0 bytes/s, done.

Total 3 (delta 1), reused 0 (delta 0)

remote: Resolving deltas: 100% (1/1), completed with 1 local object.

To https://github.com/AllenWang0217/UseDSLToImplementASimpleFSM.git

\* [new branch] test\_branch -> test\_branch

Allen@Allen-PC MINGW64 /d/CodeForC++/TempMeta/FSM (master)

$ git checkout test\_branch

Switched to branch 'test\_branch'

将提交的代码push到test\_brancn分支

Allen@Allen-PC MINGW64 /d/CodeForC++/TempMeta/FSM (test\_branch)

$ git push

fatal: The current branch test\_branch has no upstream branch.

To push the current branch and set the remote as upstream, use

git push --set-upstream origin test\_branch

Allen@Allen-PC MINGW64 /d/CodeForC++/TempMeta/FSM (test\_branch)

$ git push --set-upstream origin test\_branch

Branch test\_branch set up to track remote branch test\_branch from origin.

Everything up-to-date

## cherry-pick

在master分支cherry-pick，test\_branch分支中的Add Readme。cherry-pick之后master分支也commit了同样一个修改。

Allen@Allen-PC MINGW64 /d/CodeForC++/TempMeta/FSM (master)

$ git cherry-pick 7b47c6ccc661819315345b726fa4f6ed5bf903bd

[master af660af] Add Readme

Date: Wed Jun 7 23:08:34 2017 +0800

1 file changed, 3 insertions(+)

create mode 100644 Readme.txt

还需要pull才能到远程仓库

Allen@Allen-PC MINGW64 /d/CodeForC++/TempMeta/FSM (master)

$ git push

Counting objects: 3, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (3/3), done.

Writing objects: 100% (3/3), 389 bytes | 0 bytes/s, done.

Total 3 (delta 1), reused 0 (delta 0)

remote: Resolving deltas: 100% (1/1), completed with 1 local object.

To https://github.com/AllenWang0217/UseDSLToImplementASimpleFSM.git

4411ffd..af660af master -> master