



0. fork :

Do it on github.

1. Clone (fork→local)

- Enter the folder you want to locate your local repo.
- Git Bash here

```
$git init
```

```
$git clone https://github.com/EdithYi/VisualGit_SE701_2019_2.git
```

cd project-folder:

```
$git remote add origin
```

```
https://github.com/EdithYi/VisualGit_SE701_2019_2.git
```

```
$git remote add upstream
```

```
https://github.com/kblineoe/VisualGit_SE701_2019_2.git
```

Or Rebase (Target→local)

```
git checkout master
```

```
git fetch upstream
```

```
git rebase upstream/master
```

If the rebase command results in conflicts, resolve them and then:

```
git rebase --continue
```

2. Update Fork master

```
git push origin master
```

or if that doesn't work...

```
git push --force-with-lease origin master
```

3. Branch (create a local branch)

```
$git checkout -b NewBranch
```

4. Push (create a branch on fork repo)

```
$git push origin NewBranch
```

5. Develop

```
$git checkout NewBranch
```

\$git add <filename1>	\$git add <filename3>	\$git add <filename5>
\$git add <filename2>	\$git add <filename4>	\$git add <filename6>
...
\$git commit -m "message1"	\$git commit -m "message 2"	\$git commit -m "message 3"

Commit Often, Rebase Often! (from Target Repo)

```
$git fetch upstream
```

```
$git rebase upstream/master
```

If the rebase command results in conflicts, solve these and then:

```
$git rebase --continue
```

Before Pushing to remote fork repo, combine all commits into one)

```
$git rebase -i
```

6. Push (Merge to the branch in Fork Repo)

Before push, run test and ng lint on NewBranch, making sure everything is OK.

```
$git checkout NewBranch
```

```
$git push origin NewBranch
```

or if that doesn't work...

```
git push --force-with-lease origin master
```

7. Pull request

Do it on Github, create a new "pull request" from NewBranch of Fork Repo

8. Merge with rebase

- Wait for someone else to review you code. If code is approved. Code reviewer will merge the code with rebase. (Do it on Github)
- If you want to review someone else's Pull request, create a new branch, pull it and test.

```
$git fetch upstream
```

```
pull/pullrequestnumber/head:NewPullRequestReviewBranch
```

```
$git checkout NewPullRequestReviewBranch
```

- It approved, navigate back to the pull request on Github, choose 'Approve' and submit your review. Choose the 'Rebase and merge' option by clicking on the dropdown arrow next to the 'Merge pull request' button.

9. Rebase

Now, the issue has been resolved, update local master.

```
$git checkout master  
$git pull upstream master
```

10. Delete local developing branch

```
$git checkout master  
$git branch -D NewBranch
```

11. Delete the developing branch on Fork Repo

Do it on Github