

# Git Session

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**Patipol Saechan**  
Co-founder & editor at jusTECH.co



# Today's Topics

- Introduce to Git
- Basic Git
- Demonstration

# Introduce to Git



**HW3**



**HW3**



**HW3 Final**



**HW3**



**HW3 Final**



**HW3 Final Final**

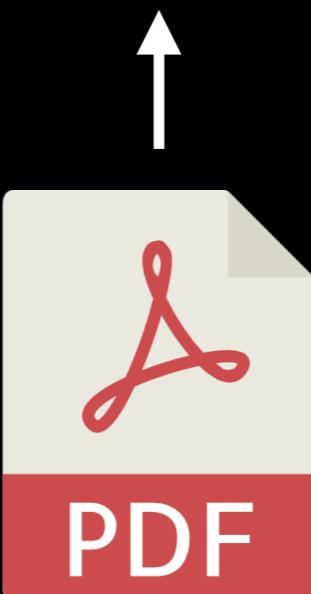
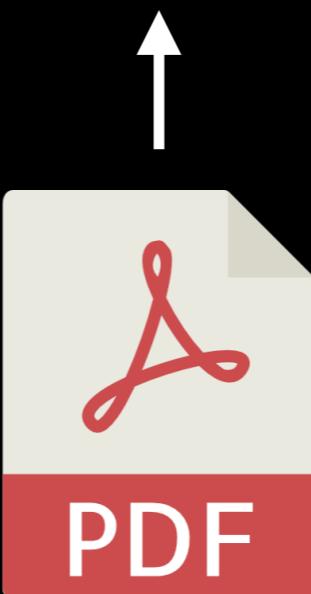
## HW3

- Hello World  
+ Hello, World 🌎

My name is Ponny

+ Don't forget to like

+ jusTECH.co on FaceBook



+ Hello World  
+ My name is Patipol

Hello World  
- My name is Patipol  
+ My name is Ponny

# Git History

May 2000



**BITKEEPER**  
Scalable Version Control

jusTECH.co



May 2000

April 2005

BitMover announced to stop providing a version  
of BitKeeper free of charge to the community



# Linus Torvalds

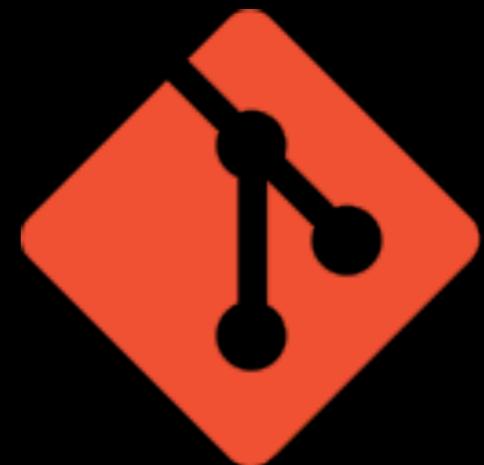


May 2000

April 2005

BitMover announced to stop providing a version  
of BitKeeper free of charge to the community

December 2005





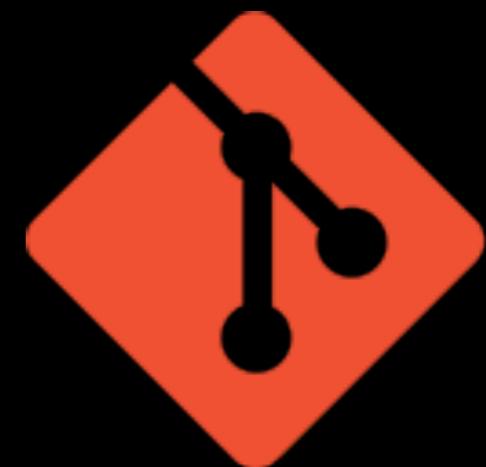
May 2000

April 2005

BitMover announced to stop providing a version  
of BitKeeper free of charge to the community

December 2005

April 2008





May 2000

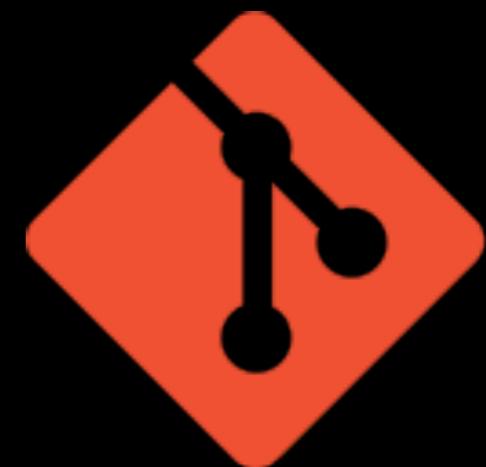
April 2005

BitMover announced to stop providing a version  
of BitKeeper free of charge to the community

December 2005



April 2008



October 2011



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**“Git is a distributed version-control system for tracking changes in source code during software development.”**

*wikipedia*

# Basic Git

Pull Request

Repository

Branch

Commit

Merge

gitignore

Clone

Conflict

Push

Pull

Init

# Repository

“Repository is the main directory of your project that contain file/files or directory/directories and must contain .git directory.”

*Patipol Saechan*

This is my website <http://ponny.me>

Manage topics

134 commits 1 branch 0 issues

Branch: master ▾ New pull request Create pull request

Ponny035 [Edit] Style

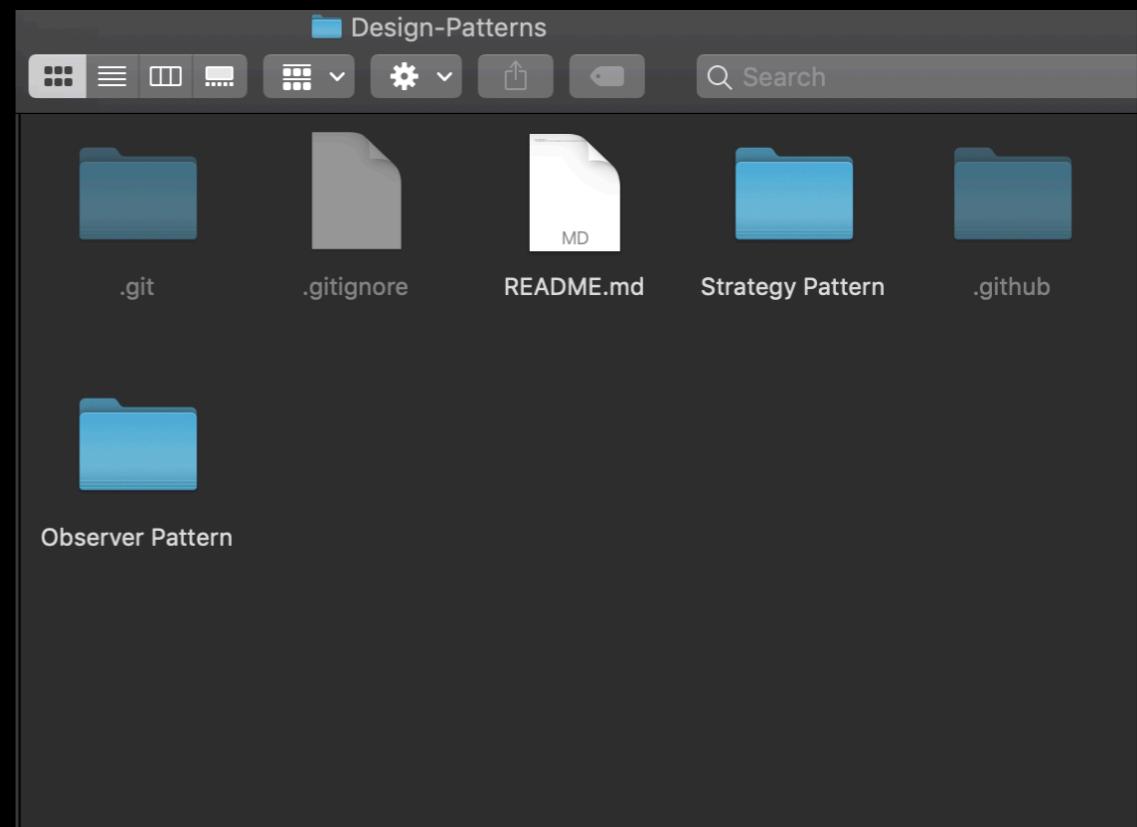
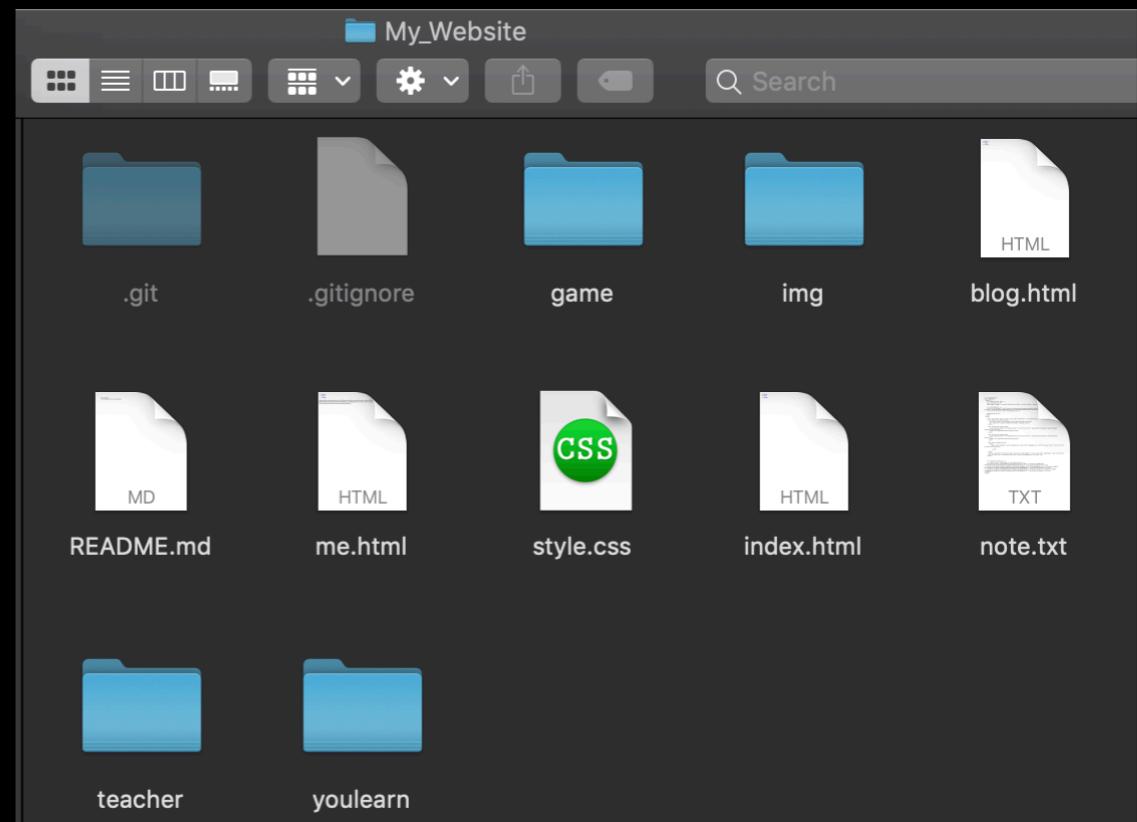
- game Delete .DS\_Store
- img Auto stash before merge of "master" and "origin/master"
- teacher [Edit] Style
- youlearn Update style.css
- .gitignore update .gitignore
- README.md Change Repo name
- blog.html [Update] bootstrap
- index.html [Add] youlearn
- me.html Auto stash before merge of "master" and "origin/master"
- note.txt update connection
- style.css Auto stash before merge of "master" and "origin/master"

README.md

# My\_Website

This repository for my website

© 2019 GitHub, Inc. Terms Privacy Security Status Help



Pull Request

Repository

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Merge

gitignore

Clone

Conflict

Push

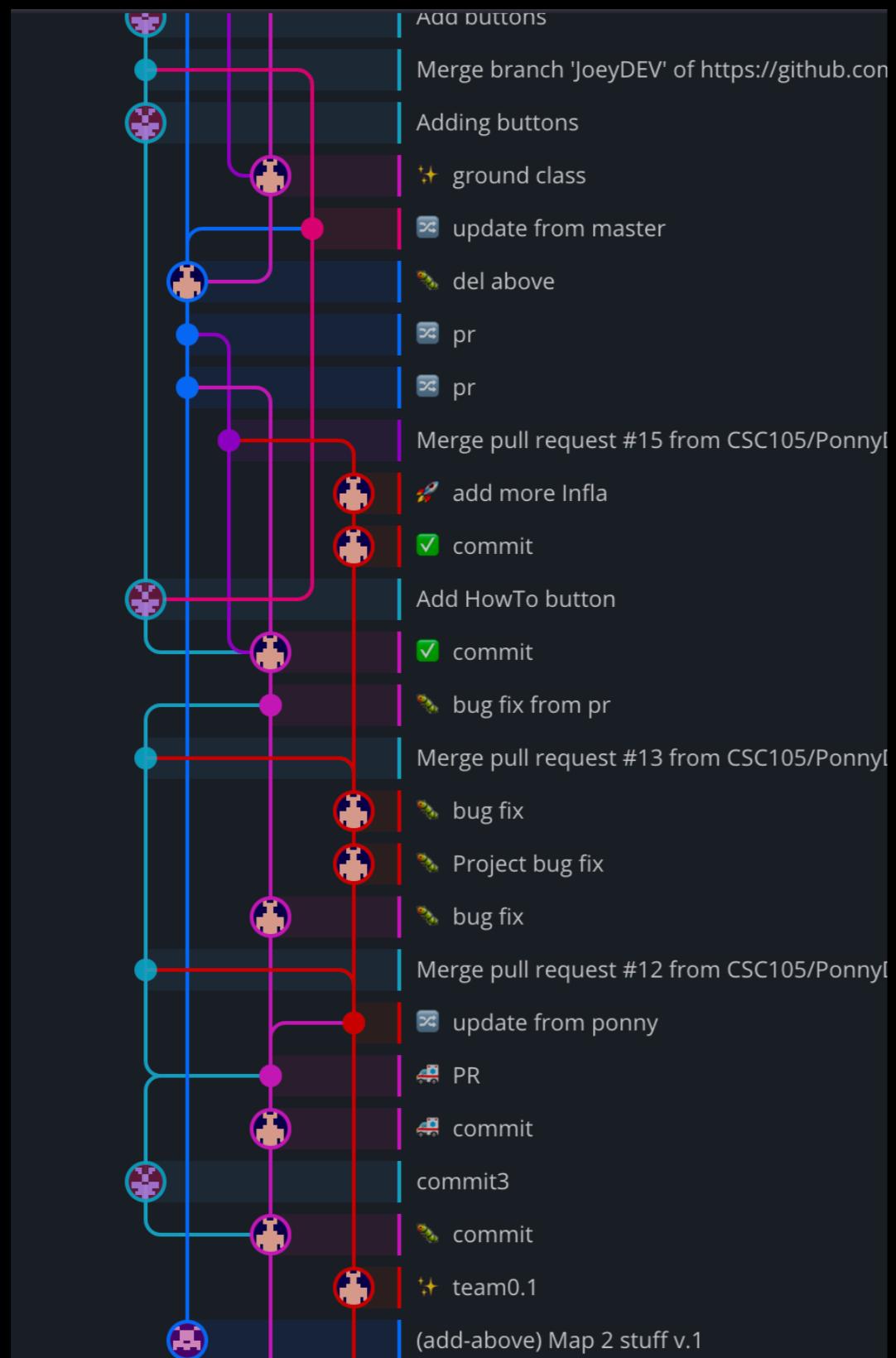
Pull

Init

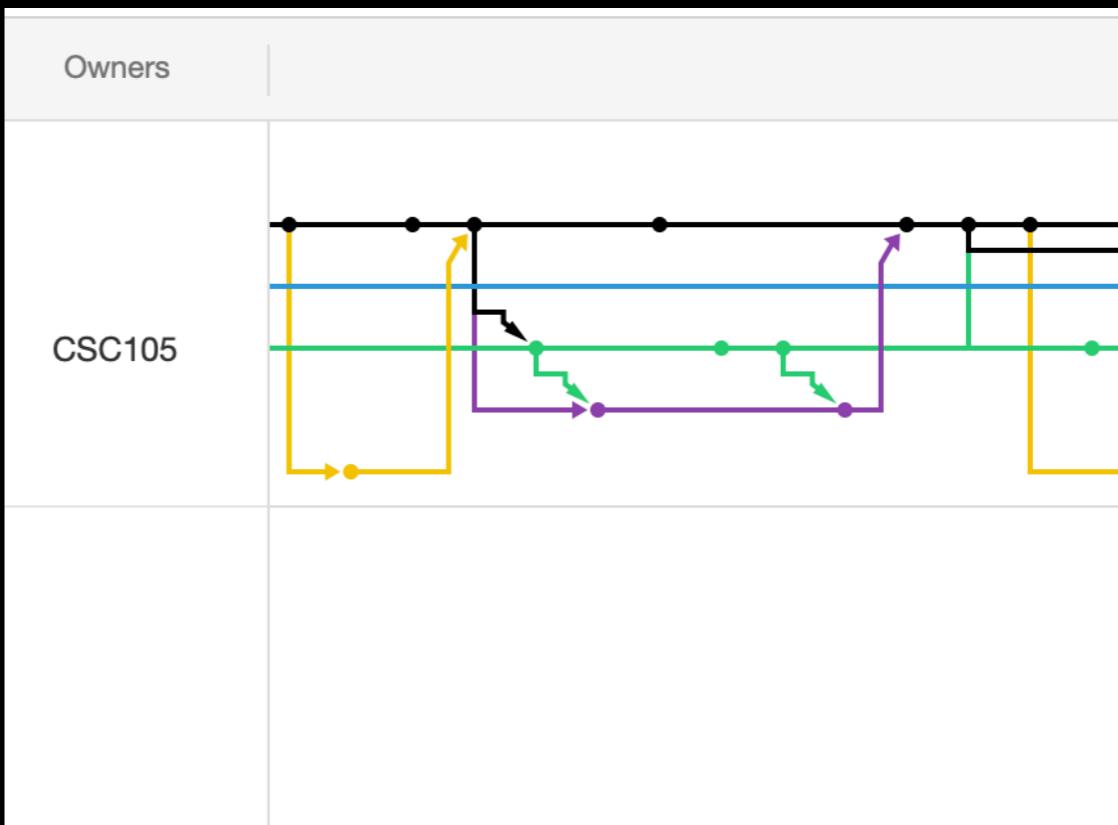
# Branch

**“A parallel repository in your project normally create when you develop new features.”**

*Patipol Saechan*



Default branch	
master	Updated last year by Ponny035
Your branches	
Driveja	Updated last year by Ponny035
JoeyDEV	Updated last year by Ponny035
PonnyDEV	Updated last year by Ponny035
Stale branches	
Driveja	Updated last year by Ponny035
JoeyDEV	Updated last year by Ponny035
PonnyDEV	Updated last year by Ponny035



Pull Request

Repository

Branch

Commit

Merge

gitignore

Clone

Conflict

Push

Pull

Init

# Init

**“Init is a git command that uses when we want to create a new repository.”**

*Patipol Saechan*

# Clone

**“Clone is a git command that uses when we want to duplicate one repository into a new repository.”**

*Patipol Saechan*

Pull Request

Repository

Branch

Commit

Merge

gitignore

Clone

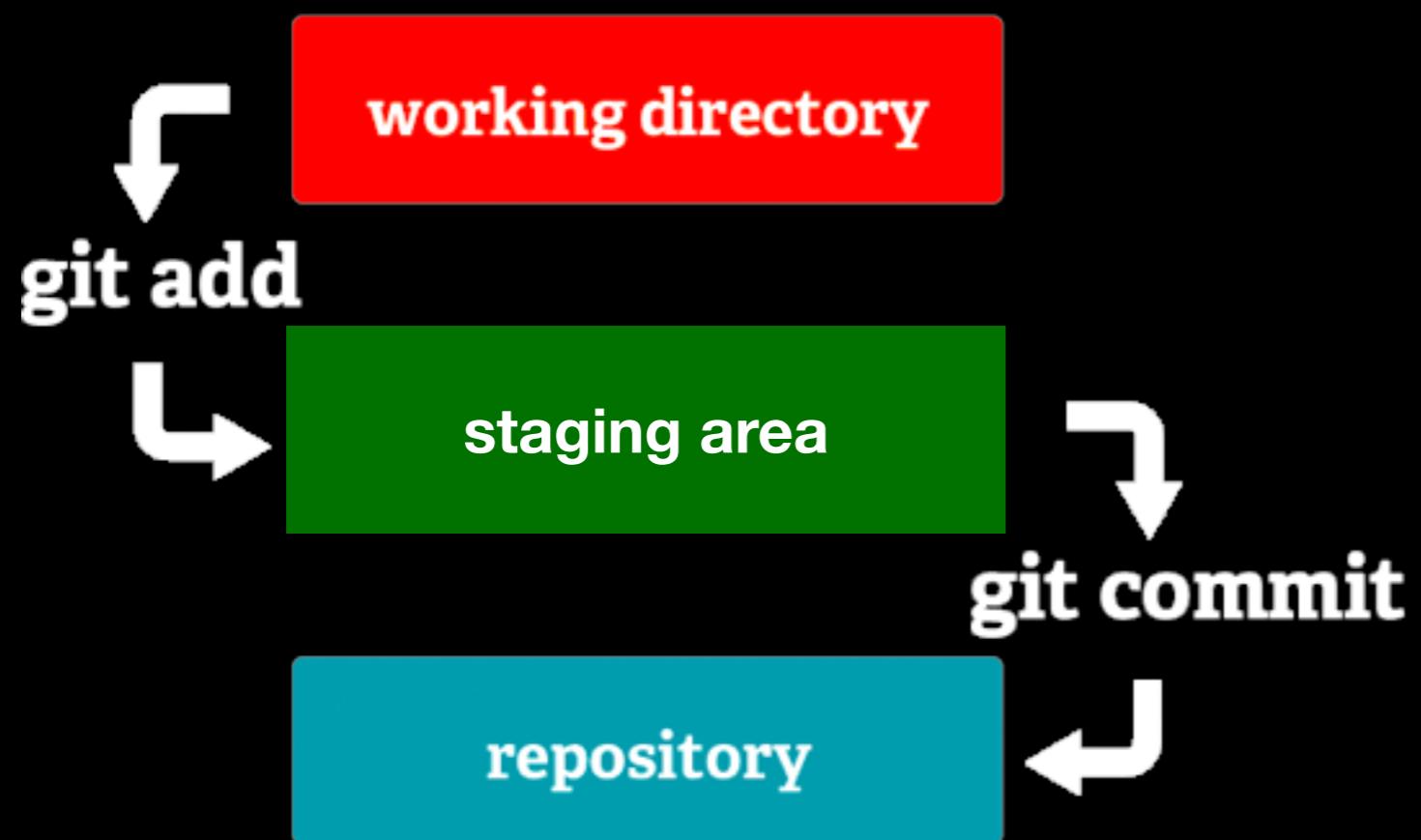
Conflict

Push

Pull

Init

# Commit



The screenshot shows a Git commit interface with the following details:

- 7 file changes in working directory [View changes](#)
- commit: c4bdf0
- [Update] Selection v.1 element of selection page
- Dive authored 3/26/2018 @ 2:32 PM parent: 7d40f5
- 7 added
- Scene/Selection/back.png
- Scene/Selec... /Expected Selection (finised look).jpg
- Scene/Selection/minus.png
- Scene/Selection/play.png
- Scene/Selection/plus.jpg
- Scene/Selection/plus.png
- Scene/Selection/selectionBG.jpg

# Commit

## Bad Commit messages

 **asDWRF**  
Patipol Saechan authored 1 month ago

 **sad**  
Patipol Saechan authored 1 month ago

 **test**  
Patipol Saechan authored 1 month ago

 **c**  
Patipol Saechan authored 1 month ago

 **dfghjkl**  
Patipol Saechan authored 1 month ago

 **f gj**  
Patipol Saechan authored 1 month ago

 **add debug code**  
Patipol Saechan authored 1 month ago

 **...**  
Patipol Saechan authored 1 month ago

 **test**  
Patipol Saechan authored 1 month ago

 **กท**  
Patipol Saechan authored 1 month ago

 **ทฟรສເຕີ້**

## Good Commit messages

 phoomparin committed on Jan 13

 **Use component instead of hooks because of React bug**  
 phoomparin committed on Jan 13

 **Add div wrapper**  
 phoomparin committed on Jan 13

 **Use wildcard for static route**  
 phoomparin committed on Jan 13

 **Annotate className to style-components to debug**  
 phoomparin committed on Jan 13

 **...**  
 phoomparin committed on Jan 13

 **Use svg files instead of inline svg**  
 phoomparin committed on Jan 13

 **Use component instead of hooks because useState bug**  
 phoomparin committed on Jan 13

 **Add contribution counters**  
 phoomparin committed on Jan 13

 **Add git garden landing page**  
 phoomparin committed on Jan 13

 **Fix React is not defined**  
 phoomparin committed on Jan 13

 **Remove spammy console.log messages**  
 phoomparin committed on Jan 13

Pull Request

Repository

Branch

Commit

Merge

gitignore

Clone

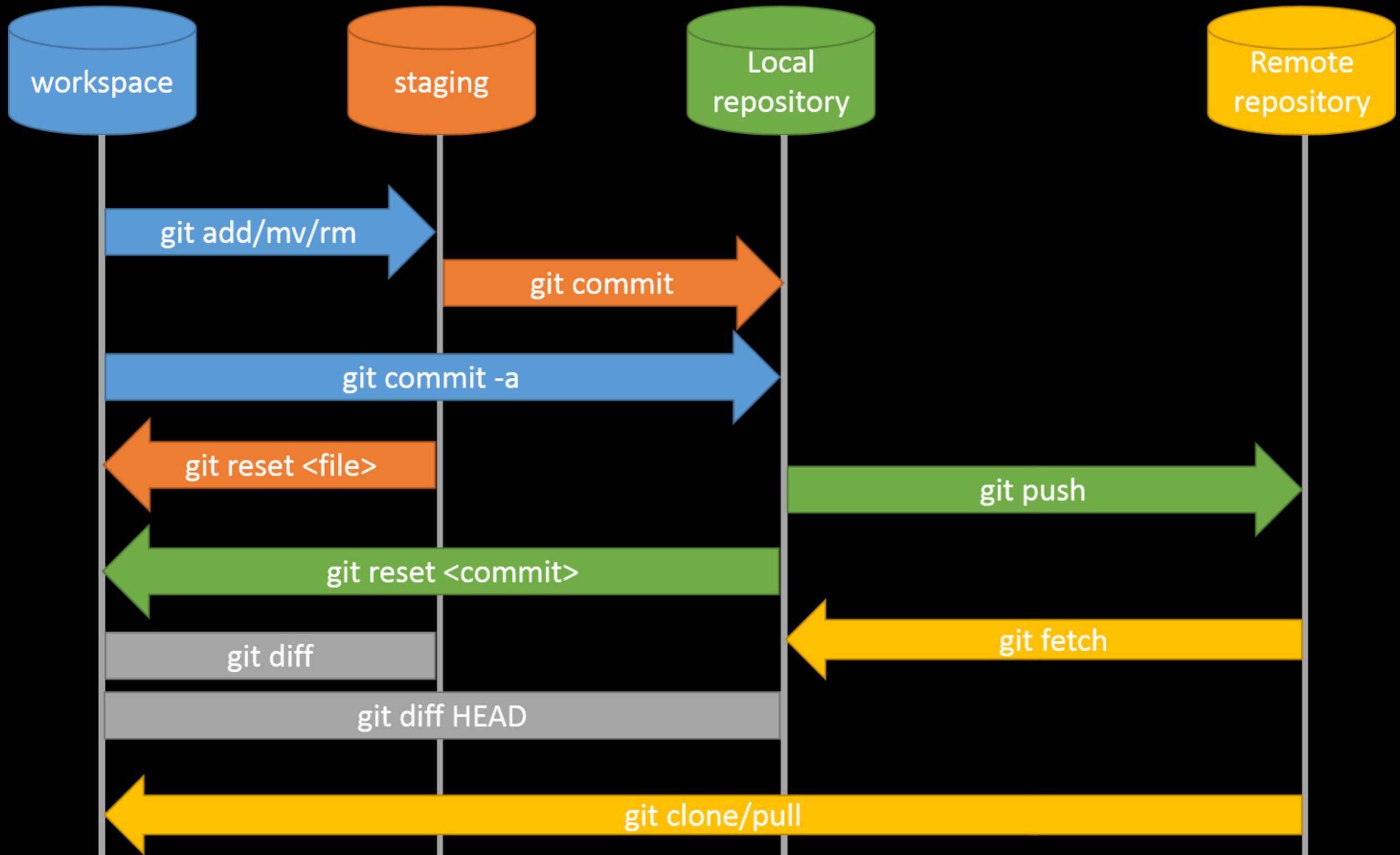
Conflict

Push

Pull

Init

# Pull/Push



# Pull Request

Repository

Branch

Commit

Merge

gitignore

Clone

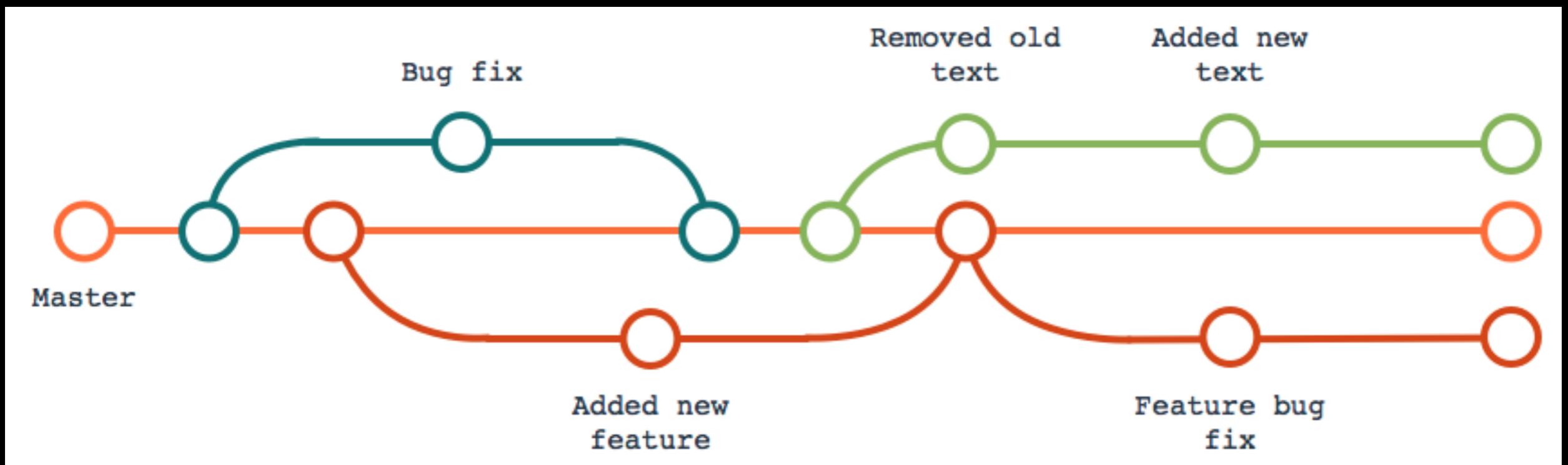
Conflict

Push

Pull

Init

# Merge



# Pull Request

# jusTECH.co

Ref: <https://github.com/Ponny035/Java/pull/3>

Pull Request

Repository

Branch

Commit

Merge

gitignore

Clone

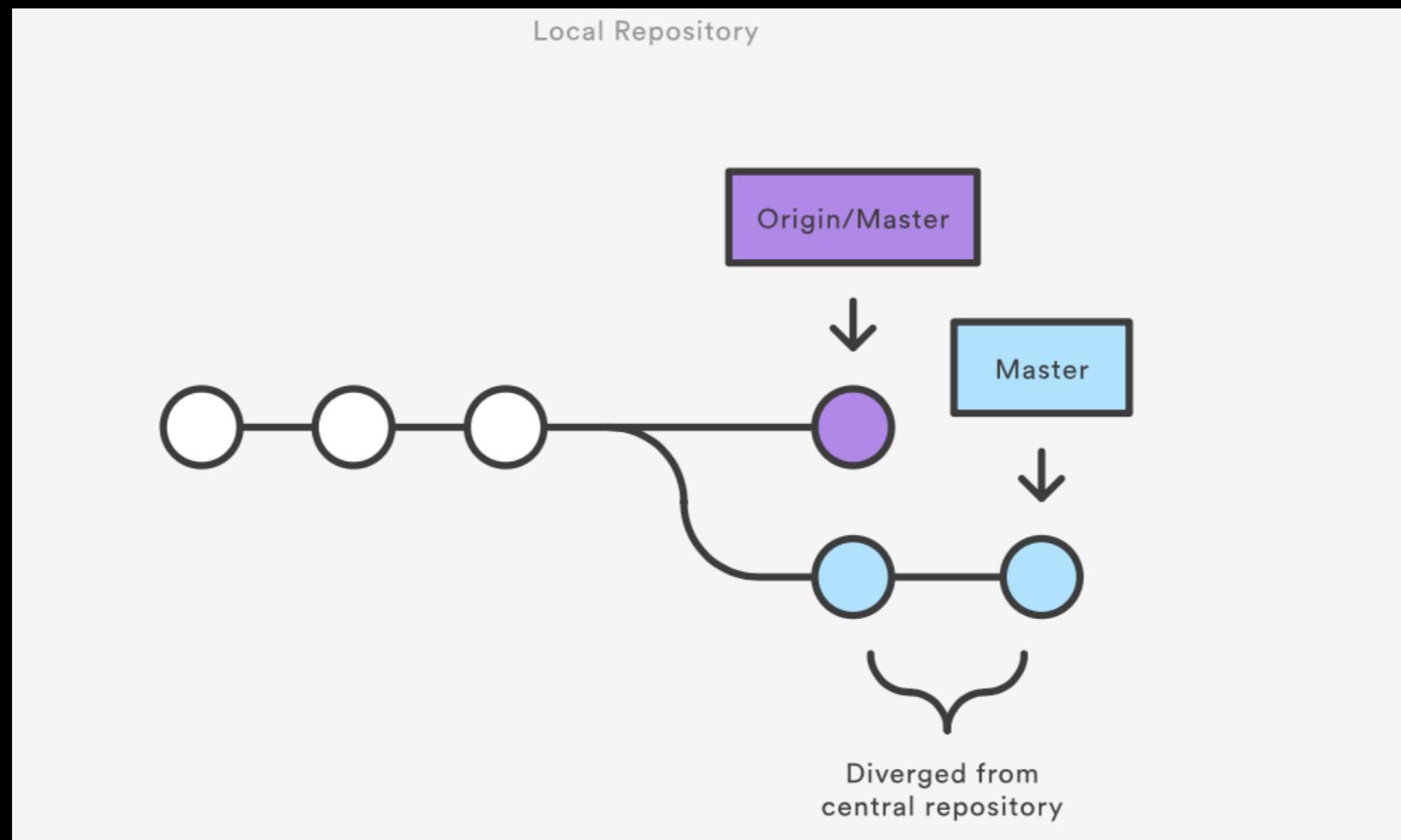
Conflict

Push

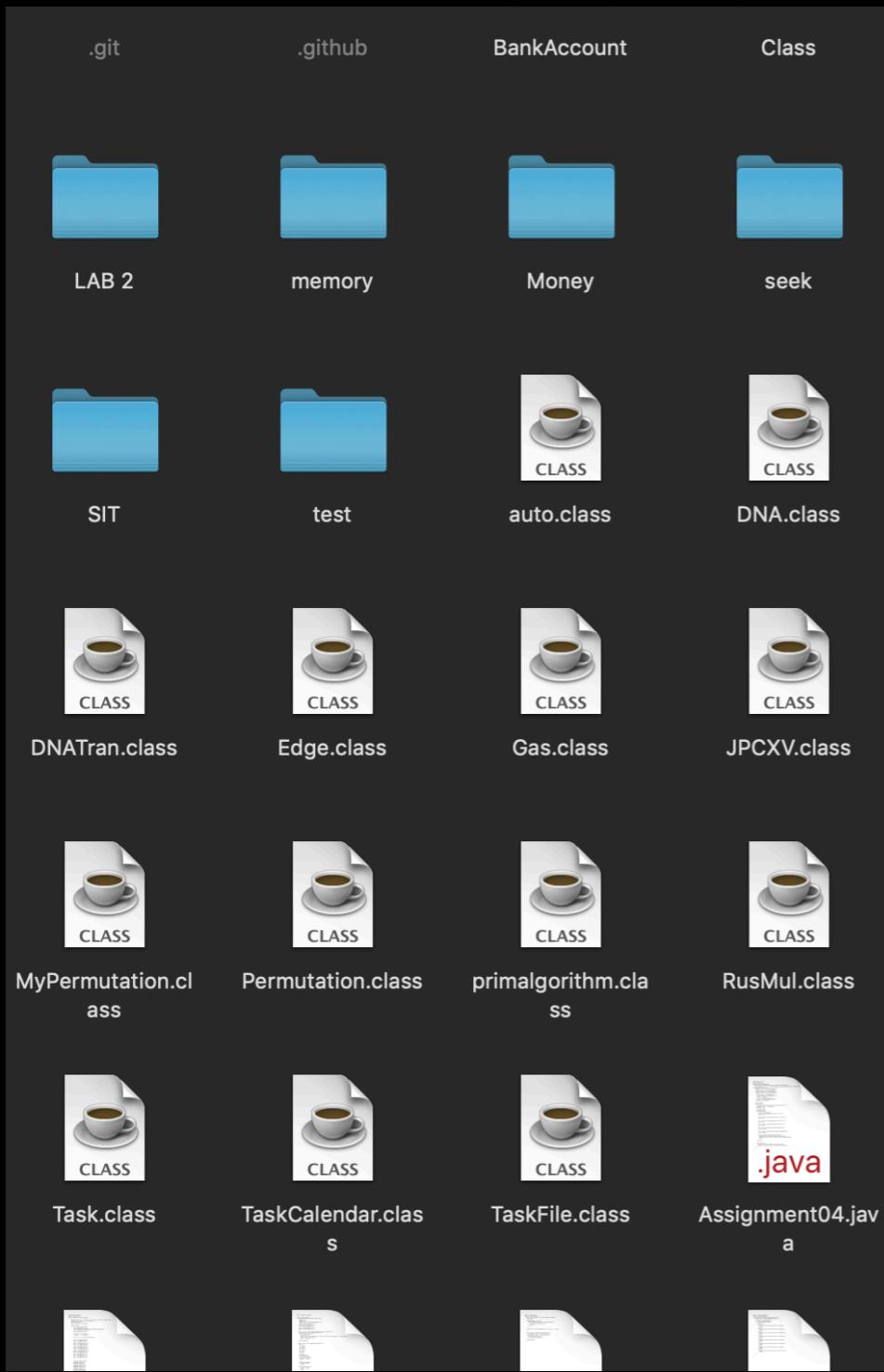
Pull

Init

# Conflict



# Gitignore



Branch: master ▾ [Java / .gitignore](#)

Ponny035 Update .gitignore

1 contributor

4 lines (3 sloc) | 26 Bytes

```
1 .DS_Store
2 *.class
3 *.java~
```

File	Action
Money	Delete .DS_Store
memory	[Update] memory management
test	Tutoring Algo
.gitignore	Update .gitignore
Assignment04.java	Update my code
BasicGUI.java	Update my code
CODE_OF_CONDUCT.md	Create CODE_OF_CONDUCT.md
CONTRIBUTING.md	Create CONTRIBUTING.md
Cal.java	Update my code
Change.java	[Clean Up] Repository
Circle.java	method java EX
CountOdd.java	Update my code
DDay.java	[Add] DayOfWeek
DNATran.java	[ADD] DNATran
DOW.txt	[Add] DayOfWeek
DayOfWeek.java	[Add] DayOfWeek
Dictionary.java	Update my code

# Demonstration

# Reference

- <https://www.atlassian.com/git/tutorials/comparing-workflows>
- <https://www.git-tower.com/blog/git-cheat-sheet/>
- <https://medium.com/@davedodea/git-commands-you-need-to-git-going-b98adc42182e>
- <https://en.wikipedia.org/wiki/BitKeeper>
- <https://en.wikipedia.org/wiki/Git>
- <https://en.wikipedia.org/wiki/GitLab>
- <https://en.wikipedia.org/wiki/GitHub>
- <https://www.newyorker.com/science/elements/after-years-of-abusive-e-mails-the-creator-of-linux-steps-aside>
- <https://softganz.com/paper/527>
- <https://www.hostinet.com/formacion/panel-alojamiento/cpanel-con-git-version-control-en-hostinet/>

# Thank You

jusTECH.co



My GitHub



อย่าลืมกดติดตาม jusTECH.co  
เพจ เทคโนโลยี เข้าใจง่าย ใกล้ตัวคุณ

<https://bit.ly/2LoP6ml>

<https://bit.ly/2ZMStrJ>