



# Github 开放式协作

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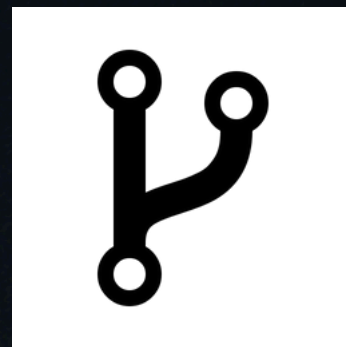
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讨论与交流



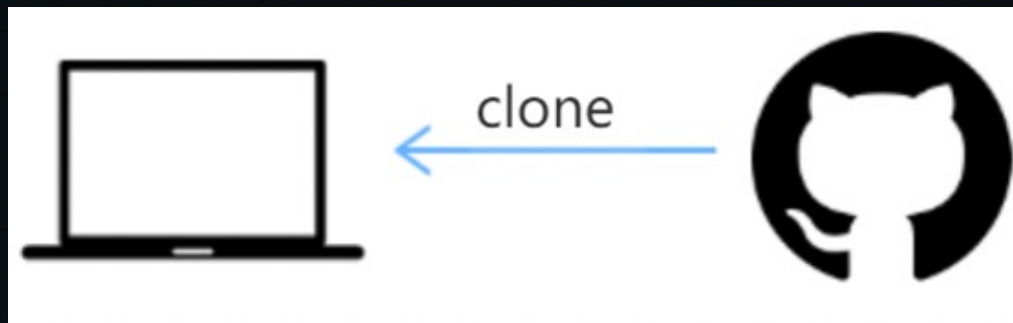
# 开源协作模式

# 01 / 如何理解Fork？



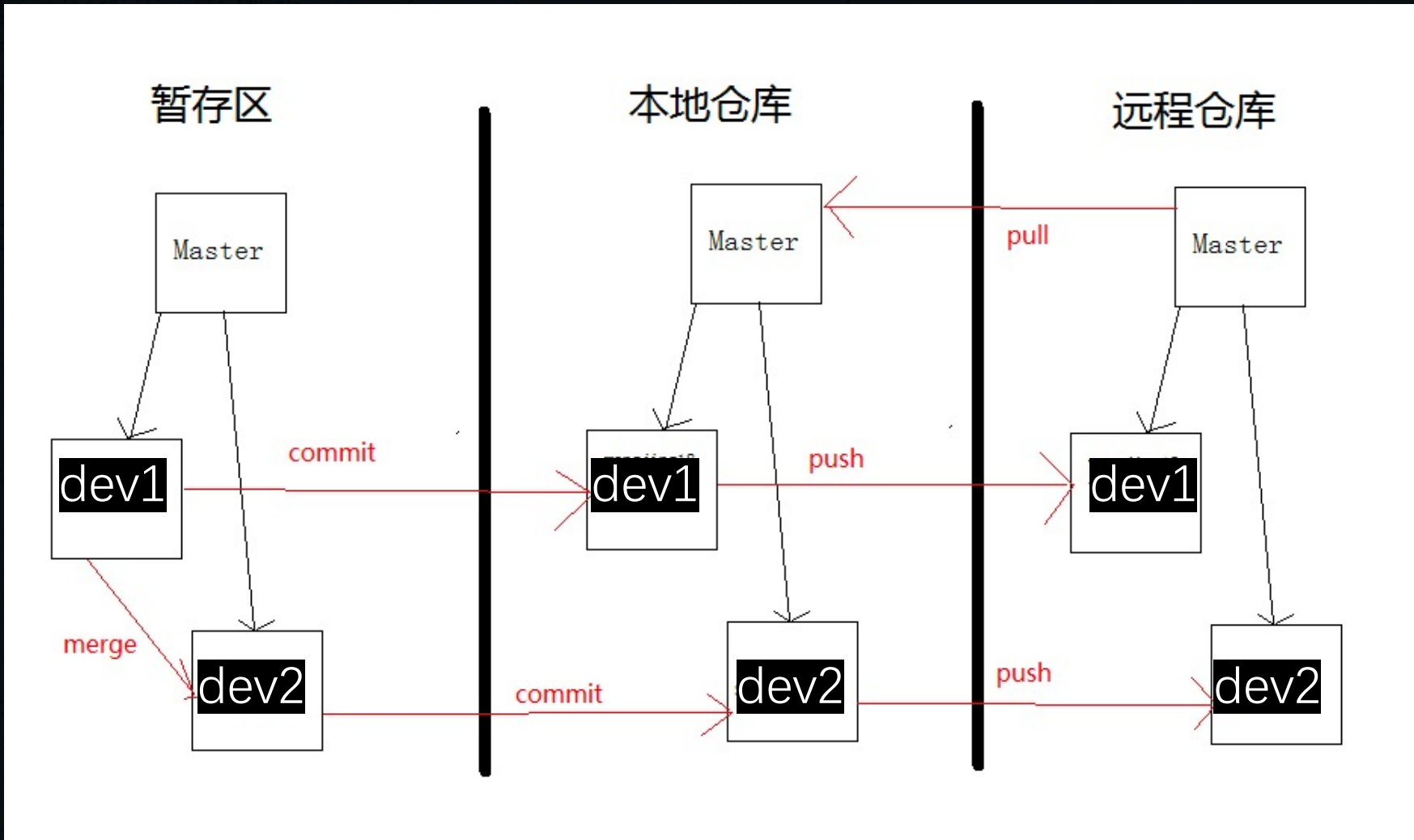
- Fork
  - 本义为 叉子（名词），比较自然的引申成 分叉（动词）
  - Git/GitHub 用右边的图 来表达 Fork：分叉、克隆 出一个（仓库的）新拷贝
  - Linux中的fork()函数

# 01 / 如何理解Clone ?



- Clone
  - 本义为 克隆（动词），也即完全复制出一个仓库的副本
  - clone是一种服务端到客户端的git操作
  - 而fork是一种服务端到服务端的github操作

# 01 / Commit, Pull, Push ?



# 01

## 如何理解Pull Request ?

The most popular HTML, CSS, and JavaScript framework for developing responsive, mobile first projects on the web.  
<http://getbootstrap.com> — Edit

11,638 commits   16 branches   36 releases   662 contributors

Your recently pushed branches:

**test-pr** (less than a minute ago) 点击发送 pr Compare & pull request

刚才修改的分支

Branch: test-pr New pull request New file Find file HTTPS https://github.com/beepo Download ZIP

- Pull Request
  - 首先它是一个request，它请求别人来pull你的改动
  - 错误的理解：请求别人允许自己来pull别人的改动
  - PR包含了两个分支间的状态 (commit) 差异信息

# 01

## 如何理解Pull Request ?

### Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).

base fork: twbs/bootstrap base: master ... head fork: beepony/bootstrap compare: test-pr

✓ Able to merge. These branches can be automatically merged.

Please review the [guidelines for contributing](#) to this repository.



test-pr

pull request 的标题

Write

Preview

Styling with Markdown is supported

Leave a comment

添加注释

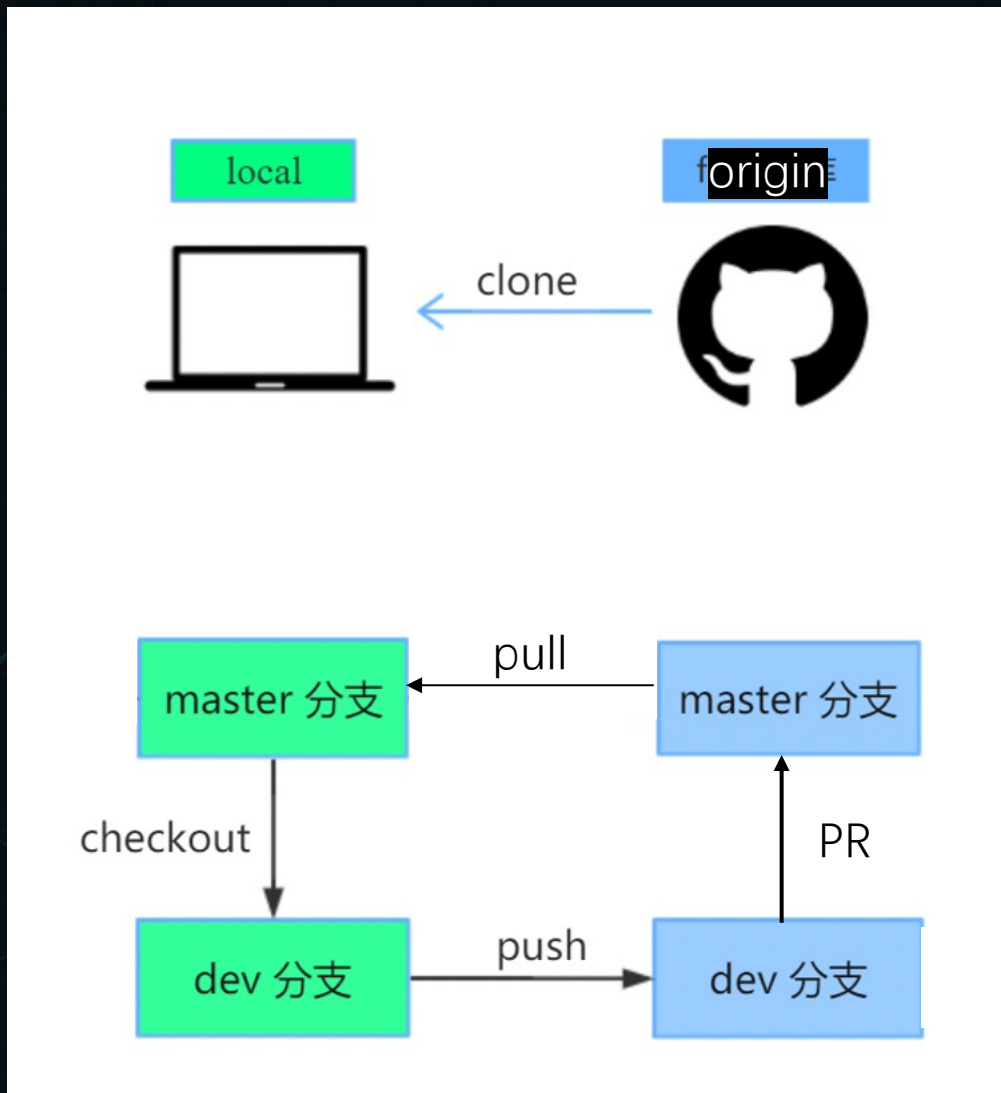
Attach files by dragging & dropping, [selecting them](#), or pasting from the clipboard.

点击创建即可

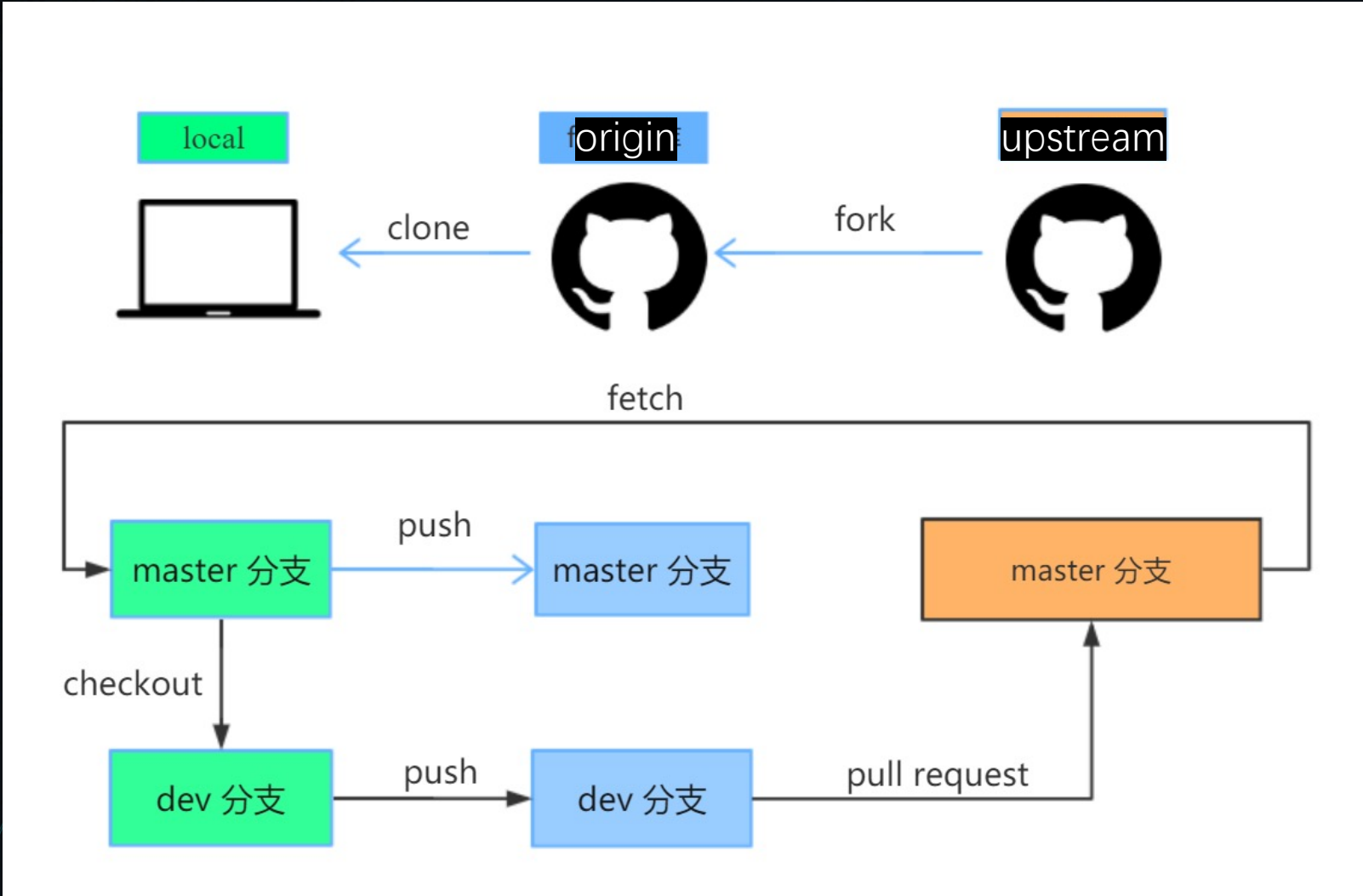
Create pull request



# 01 / 协作模式1



# 01 / 协作模式2





## 动手实践

# 02 / 动手实践

- **Upstream:** <https://github.com/X-lab2017/OSSDevGov2021>

The screenshot shows the GitHub repository page for `X-lab2017 / OSSDevGov2021`. The repository has 8 watchers, 17 stars, and 4 forks. The main branch is selected, and there is 1 branch and 0 tags. A recent merge pull request #9 from `xiaoya-Esther/patch-3` is shown, along with a commit for `README.md` updated 6 days ago.

**About**  
Open Source Software Development and Community Governance (开源软件开发与社区治理)

**Releases**  
No releases published

**Packages**  
No packages published

**Contributors** 2

- `will-ww` Will Wang
- `xiaoya-Esther` Xiaoya

**README.md**

## OSSDevGov2021

Open Source Software Development and Community Governance (开源软件开发与社区治理)

### 1、课程简介

开源软件开发是人类在互联网发展进程中探索出的一种面向全球的大规模软件协作开发生产模式，当下备受瞩目。开源软件开发的模式涉及到开发者、开源项目、开源社区、开源基金会等多个方面。本课程围绕开源协作过程中的核心要素，包括开源软件历史，开源软件开发过程，开源软件开发背后的协作原理，开发过程中的典型模式，了解开源软件开发过程中的管理方法与设计思维方法论，并通过实际的开源项目，带领大家实际参与到这场全球化的软件开发运动中。在此基础上，课程进一步关注开源项目基础之上的社区治理，过各种数字化的手段，形成一个健康、可持续发展的开源社区。

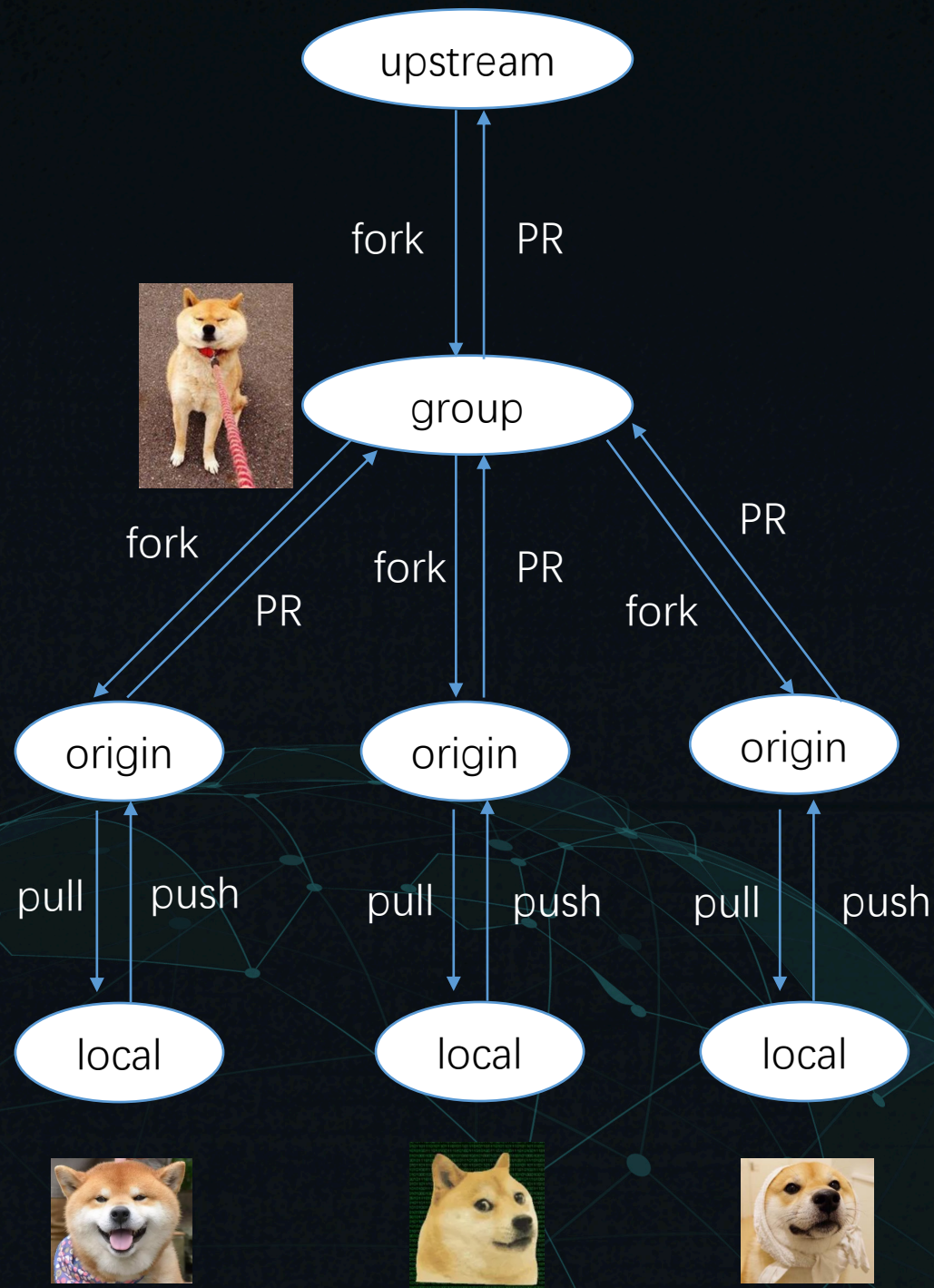
# 02

## 动手实践

### 流程

#### 完成任务的步骤

- 开发环境: Git & VSCode(optional)
- 注册小组/个人的github账号
- 将上游仓库fork到小组账号下，成为一个下游仓库
- 采用模式1/模式2对这个下游仓库协作开发
- 满分100分的情况下：
  - 翻译质量50%，明显机翻情况将会严重扣分
  - 协作过程50%，最终的PR中必须包含所有组员的commit信息
  - Review加分，给其他组别的PR每提出一个修改建议 +5分
  - 组长加分，最终提交PR到课程仓库者 +5分






## 错误示例










# 03

## PR内容不规范

### Update README.md #26

 Closed 1054096100 wants to merge 1 commit into `X-lab2017:master` from `cross-species:feature/1054096100-PRbranch-temp-1`

 Conversation 7  Commits 1  Checks 1  Files changed 1

 1054096100 commented 7 days ago  




请问这里的逻辑是否需要重新调整一下?  
个人感觉这里的academic主题的删除是为了commit的时候不会出现冲突, 所以应该在server运行后, commit之前执行。



#### What is the purpose of the change

- Closes #

#### Brief change log


- Your changes.





  Update README.md 




 Verified  d23fabd

# 03 / 没有关联issue

## Feature/add chen Yue's personal info #22

 Merged menbotics merged 2 commits into `X-lab2017:master` from `kanesang1:feature/add-personal-info` 8 days ago

 Conversation **2**  Commits **2**  Checks **1**  Files changed **2**


 kanesang1 commented 9 days ago  





**What is the purpose of the change**

- Closes #

**Brief change log**

- Add personal info.

 kanesang1 added 2 commits 10 days ago

  feat:add personal info (#6)   de1109d



# 03

## Commit信息有误

leerfanyu commented 6 days ago • edited -

Related #6

### What is the purpose of the change

- 添加了范语的个人资料

### Brief change log

- 修改了姓名、头像、爱好、教育背景，以及访问地址等信息。

menbotics bot added the kind/feature label 6 days ago

CLAassistant commented 6 days ago • edited -

CLA signed

All committers have signed the CLA.

leofang327 self-requested a review 6 days ago

leofang327 commented 6 days ago Collaborator

两个问题：

1. PR的标题与内容完全没有反映出你想向上游提交的变动，可以参考已经被合并的PR来修改
2. 请挂上本项目的CLA

# 03

## 规范的PR

### feat: add info of yangming #12

Merged

menbotics merged 1 commit into `X-lab2017:master` from `kongzhongsanbu:feature/add-yangming-info` 11 days ago

Conversation 1

Commits 1

Checks 1

Files changed 2



kongzhongsanbu commented 11 days ago



Related #6

#### What is the purpose of the change

- 添加杨鸣的个人资料

#### Brief change log

- 添加了姓名、兴趣爱好、教育背景及其他。其中加入了我尝试使用hugo搭建的博客的链接。

feat: add info of yangming

✓ 9601ed3



讨论



# 04

## 讨论

讨论与交流

- 参考资料

- 贡献指南：<https://github.com/X-lab2017/OSSDevGov2021/blob/main/CONTRIBUTING.zh-CN.md>
- GitHub指南：<https://guides.github.com/>
- 《Pro Git》：<https://git-scm.com/book/zh/v2>



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# THANK YOU

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方孝君