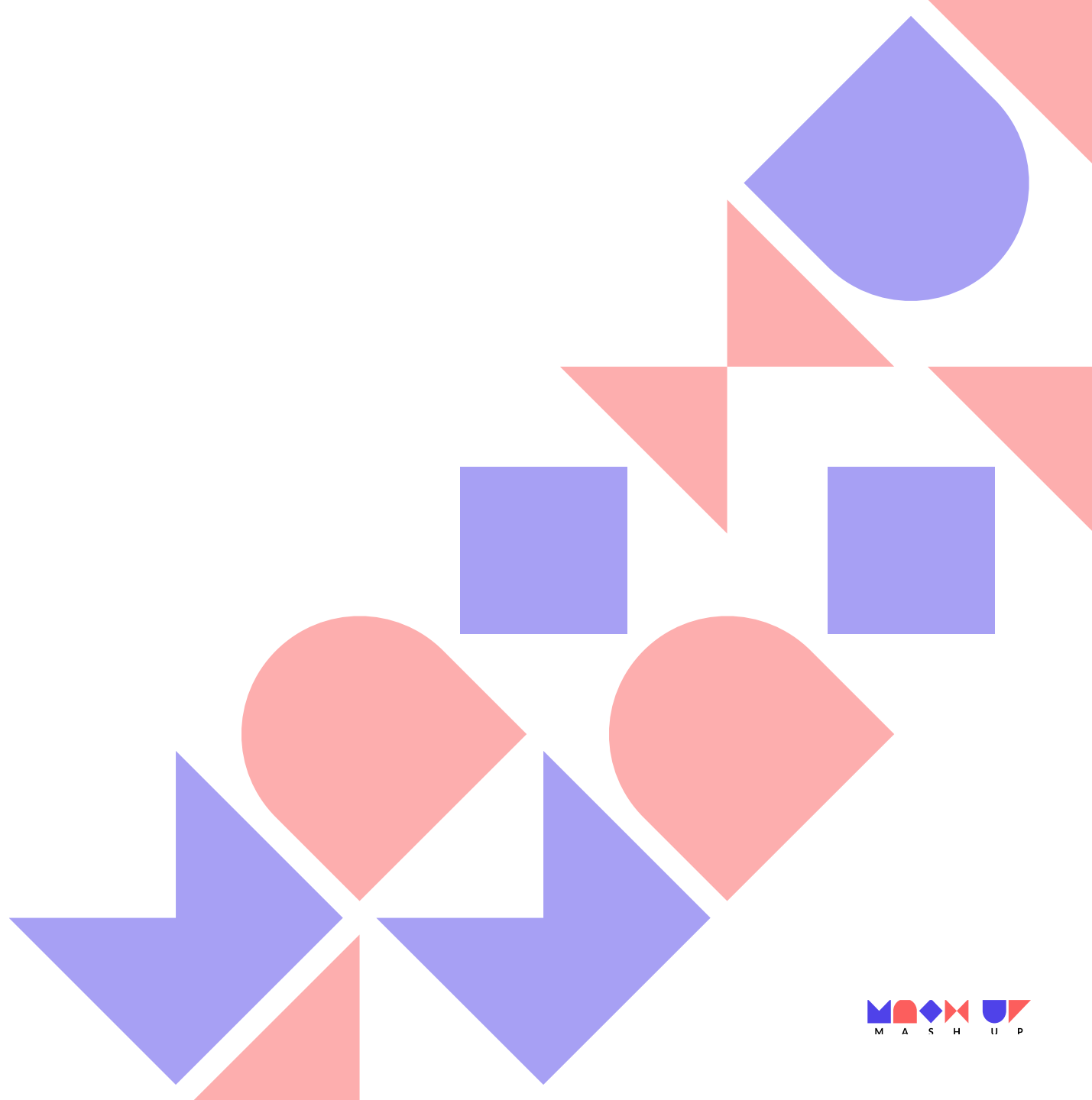


Back-End STUDY

GitHub & Slack

2018. 10. 20

백엔드팀 이동준



CONTENTS

01 GitHub

- Git
- Git vs SVN
- GitHub

02 Slack

- Slack
- Hook
- Slack & GitHub

03 실습

- Hook
- PR
- Rebase

01

GitHub

- Git
- SVN vs Git
- GitHub



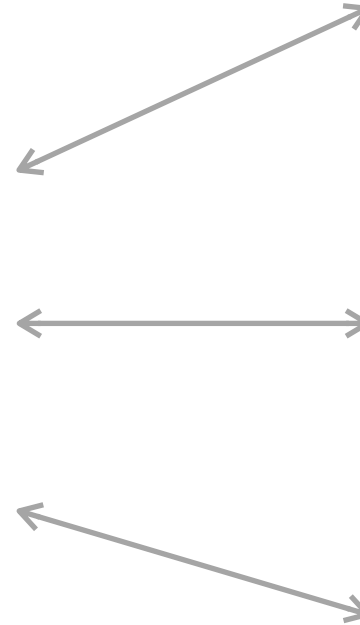
소스 현상 관리

리눅스 토르발즈

리눅스 커널



Local Repository

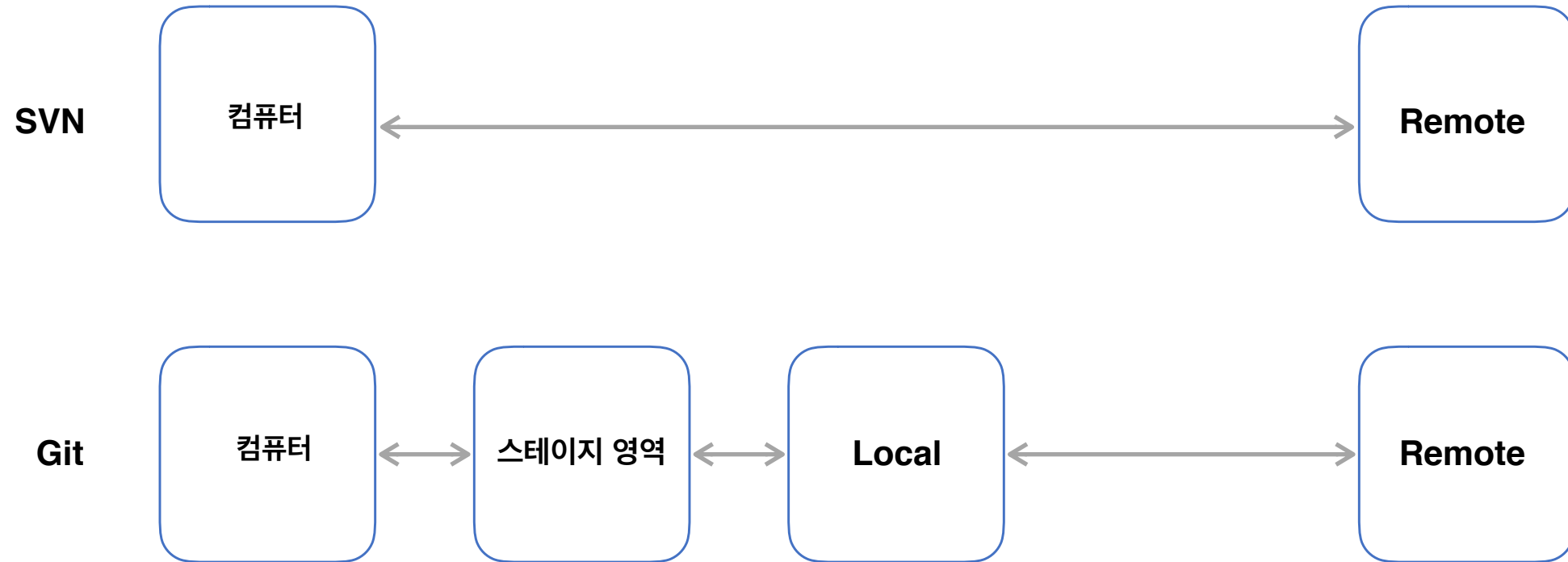


Remote Repository



vs





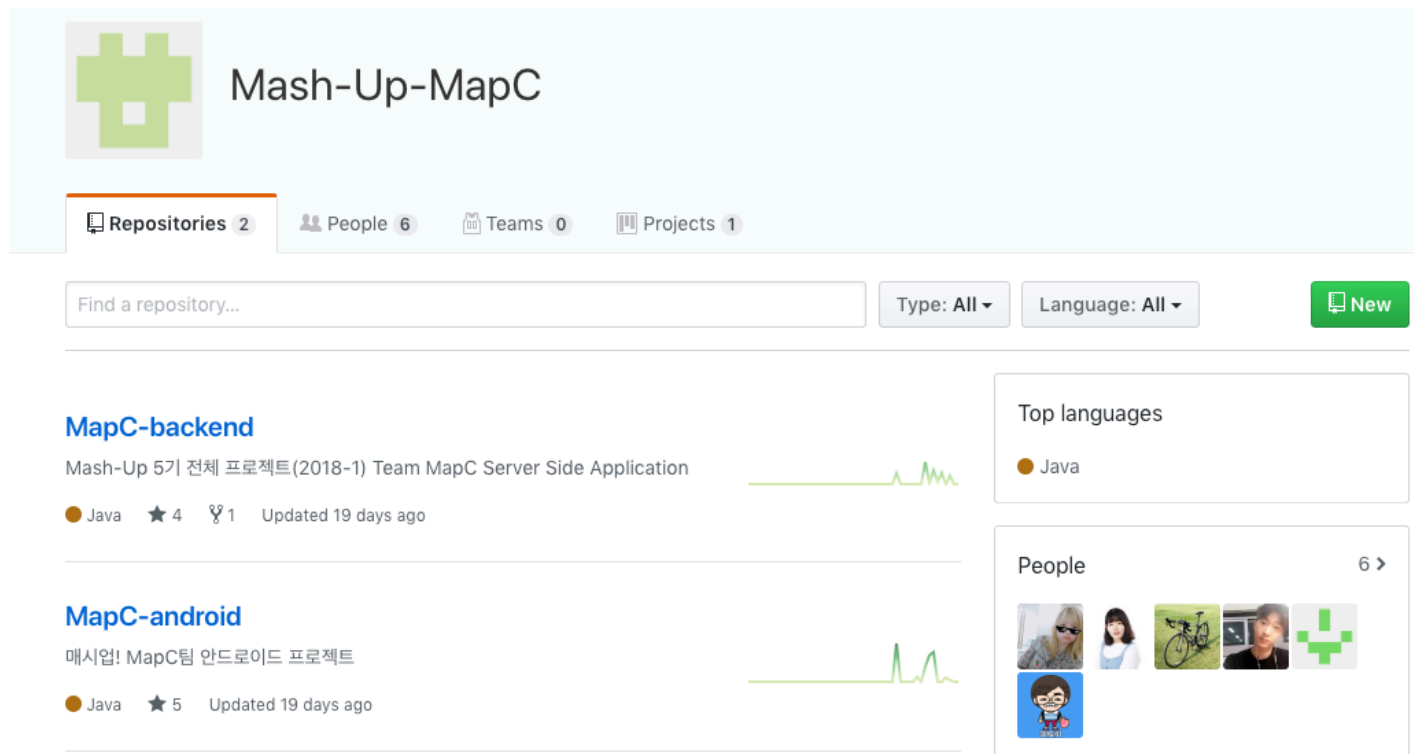
스냅샷

브랜치

SVN vs GIT

<https://www.slideshare.net/einsub/svn-git-17386752>

어렵다? 귀찮다?



The screenshot shows the GitHub profile for 'Mash-Up-MapC'. The profile header includes a green cross logo and the name 'Mash-Up-MapC'. Below this, there are tabs for 'Repositories' (2), 'People' (6), 'Teams' (0), and 'Projects' (1). A search bar with the placeholder 'Find a repository...' is present, along with filters for 'Type: All' and 'Language: All', and a green 'New' button. The repository list shows two items: 'MapC-backend' and 'MapC-android'. 'MapC-backend' is described as 'Mash-Up 5기 전체 프로젝트(2018-1) Team MapC Server Side Application' and is written in Java with 4 stars and 1 fork. 'MapC-android' is described as '매시업! MapC팀 안드로이드 프로젝트' and is also in Java with 5 stars. To the right, there are sections for 'Top languages' (showing Java) and 'People' (showing 6 members with their avatars).

<input type="checkbox"/>	21 Open	21 Closed	Author	Labels	Projects	Milestones	Assignee	Sort
<input type="checkbox"/>	관광지 정보 더보기 API 구현하기	api documentation enhancement	#56 opened on 17 Sep by korea8378	8 of 9	1			1
<input type="checkbox"/>	즐길거리 조회 API (Pagination)	api documentation	#51 opened on 7 Sep by KiWooyoung	9 of 18				
<input type="checkbox"/>	가이드 데이터 조회 API (NOT IN 즐길거리)	api documentation	#50 opened on 7 Sep by KiWooyoung	9 of 18				
<input type="checkbox"/>	가이드 유효성 검사 API	api documentation	#49 opened on 7 Sep by KiWooyoung	9 of 18				
<input type="checkbox"/>	TourAPI 를 활용하여 데이터 수집	task	#47 opened on 1 Sep by KiWooyoung	0 of 1	v 1.0.0			
<input type="checkbox"/>	다국어 지원	task	#42 opened on 25 Aug by opklm102	0 of 10	v 1.0.0			
<input type="checkbox"/>	Backend architecture 문서화하기	documentation	#40 opened on 23 Aug by opklm102	8 of 10	v 1.0.0			
<input type="checkbox"/>	Backend architecture 구성하기	Epic task	#39 opened on 23 Aug by opklm102	2 of 9				2
<input type="checkbox"/>	CI/CD 구축	task	#38 opened on 22 Aug by KiWooyoung	5 of 10	v 1.0.0			2
<input type="checkbox"/>	개발 진행을 위한 code base의 사전 작업하기	enhancement task	#35 opened on 19 Aug by opklm102	7 of 12	v 1.0.0			

Issue기반으로 진행

branch 전략

- git flow를 따른다

branch naming

- issue number-issue name
- ex) 16-defining-development-rules

commit message

- [#issue number] [behavior(upper case)] message
- ex. [#16] [FIX] 개발 규칙 오타 수정

개발 프로세스

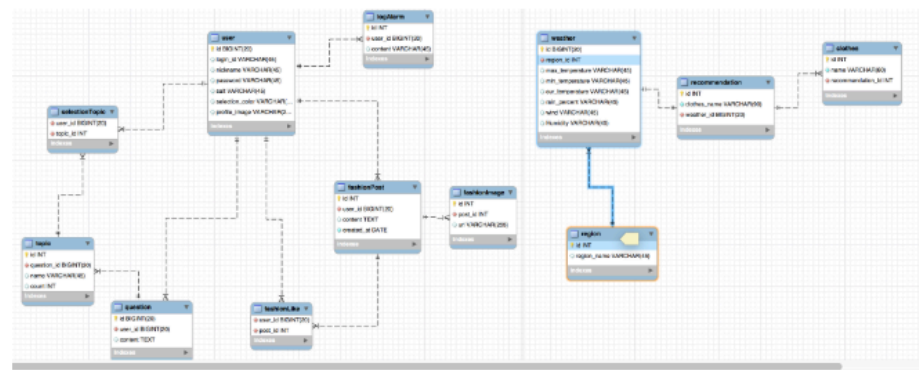
1. issue 생성
2. issue 기반 branch 생성
3. issue와 관련된 feature 개발 완료
 - 개인별 repo or branch에서는 commit 각자 스타일에 맞춰
4. merge commit 생성시(PR) commit message rule에 맞춰서 squash merge를 위해 commit history 단장
5. PR이 주요 branch로 merge되기 위한 조건
 - 최소 1명의 review의 approve
 - CI로 인한 build success
 - test case 작성 - optional
6. merge 후 feature branch 제거
7. issue close

개발 규칙 정하기

DB Table을 모델링

- DB Table을 모델링한다

초안



완료 조건

- comment로 ERD 초안이 공유된다
- 공유된 초안으로 리뷰를 진행한다

디비 모델링



korea8378 commented on 17 Sep • edited ▼

Member

관광지 정보 더보기 API 구현하기

Request

HTTP Method	URI
GET	/courses/:course_id/:page

• Header

Name	Value	Description
Accept	application/json	Accept contents

• parameter

Name	Type	Description
course_id	Long	
page	int	

• example

```
$ curl -X GET -H "Accept: application/json" http://url/courses/:course_id/:page
```



opklnm102 commented on 22 Aug • edited ▼

Member



디자인 1-3에 부분적 빨간 글씨 표현 관련해서 논의한 결과 메모

처리 방안

- 빨간색부분만 따로 데이터를 내려준다
- html태그로 내려서 처리한다
 - 이방식이 더 좋다고 생각(by @JSpiner)



JSpiner commented on 22 Aug

Member



html태그로 내려서 처리한다

- 빨간색 표기 이외에도 굵게, 색깔입히기, 기울임, 이미지 등등 다양한 방안을 추가 고려할 수 있을것같아요.



korea8378 commented on 25 Aug • edited ▼

Member



@JSpiner html태그로 내리면 문자열에 태그를 포함시켜서 내리면 되나요? 블라블라...이런식으로요?

Issue template

규칙을 정하자

개발 규칙

커밋 메시지

<https://udacity.github.io/git-styleguide/>

[Code](#) [Issues 21](#) [Pull requests 0](#) [ZenHub](#) [Projects 0](#) [Wiki](#) [Insights](#)

Label issues and pull requests for new contributors

Now, GitHub will help potential first-time contributors discover issues labeled with **help wanted** or **good first issue**

[Dismiss](#)

Filters

Labels Milestones

New pull request

Clear current search query, filters, and sorts

☐ 0 Open ☒ 15 Closed

Author Labels Projects Milestones Reviews Assignee Sort

☐ [Feature/is56 get view more touristspot](#) **api** **needs review**

#57 by korea8378 was merged 19 days ago • Review required 5 of 5

☐ [Feature/is25 api get detail course](#) **api** **needs review**

#55 by korea8378 was merged 19 days ago • Review required 5 of 5

☐ [\[#24\]\[ADD\] Get-courses-api](#) **api** **needs review**

#54 by korea8378 was merged 19 days ago • Approved 5 of 5

☐ [Feature/is 49 guide validate api + is50](#)

#53 by KiWooyoung was merged on 7 Sep • Review required

opklnm102 requested changes on 1 Sep


[View changes](#)

src/main/java/kr/co/mashup/mapc/controller/CourseController.java

Outdated

Hide outdated

```
68 + public CourseController() {
69 + }
70 +
71 + @ApiOperation(value = "코스 상세보기", notes = "코스 상세보기 한다")
```

 **opklnm102** on 1 Sep

Member

+ 😊 ...

API 문서를 읽는다고 생각해보면
코스 상세보기라고 해놓으면
-> 코스 상세보기 생성?
-> 코스 상세보기 조회?
-> 코스 상세보기 삭제?

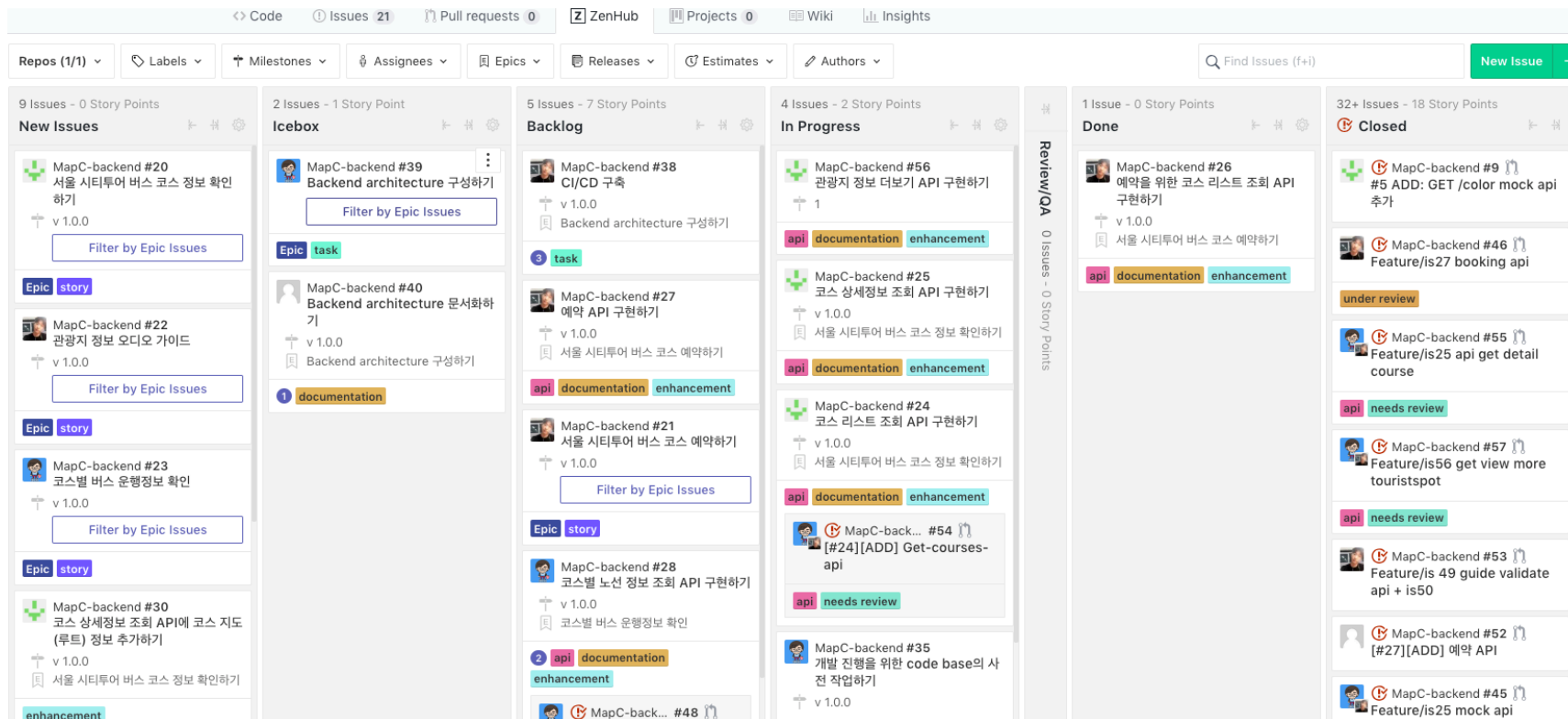
코스 상세보기 한다
-> 코스 상세보기를 뭐하는건지? 살짝 애매한듯한데..

PR(Pull Request)

<https://wayhome25.github.io/git/2017/07/08/git-first-pull-request-story/>

<https://www.popit.kr/github%EB%A1%9C-%ED%94%84%EB%A1%9C%EC%A0%9D%ED%8A%B8-%EA%B4%80%EB%A6%AC%ED%95%98%EA%B8%B0-part1-%EC%9D%B4%EC%8A%88-%EB%B0%9C%EA%B8%89-%EB%B6%80%ED%84%B0-%EC%BD%94%EB%93%9C%EB%A6%AC%EB%B7%B0%EA%B9%8C/>

PR(Pull Request)



ZenHub(kanban board)

API Endpoint 정리

KiWooyoung edited this page 19 days ago · 8 revisions

1. CourseRoute API (Bus)

버스노선도 조회

Get - BASEURL/courses/route

- Content-Type : application/json

```
- Request
- Response

[
  {
    "title": "A코스",
    "sub_title": "도심, 고궁코스",
    "main_color": "#fd7674",
    "options": [
      "광화문 ↔ 세종문화회관\n배차간격 20분~40분"
    ],
    "stations": [
      {
        "stations_number": 1,
        "station_name": "광화문(기점)",
        "station_location": {
          "lat": 37.576141,
          "lng": 126.976869
        }
      },
      {
        "stations_number": 2,
        "station_name": "덕수궁",
        "station_location": {
          "lat": 37.566068,
          "lng": 126.975168
        }
      }
    ]
  }
]
```

개발 규칙

Dong Hee Kim edited this page on 18 Aug · 19 revisions

Coding conventions

- commit 전 항상 IDE의 Reformat, Optimize imports 기능 사용

Git

branch 전략

- git flow를 따른다
- [git-flow cheatsheet](#)

branch naming

- is<issue number>-issue name
- ex) 이슈가 개발 규칙 정하기라면 -> is16-defining-development-rules

commit message

- [#<issue number>] [behavior(upper case)] message
 - ex) [#16] [FIX] 개발 규칙 오타 수정
- 현재 시제 사용
 - ex) Add feature not Added feature
- 첫줄은 72문자 이하로 제한
- 첫줄 이후 자유롭게 기술

commit message에 issue number를 붙이는 이유?

어떤 commit이 해당 issue로 인해 진행되고 있음을 tracking하기 위해서

Wiki

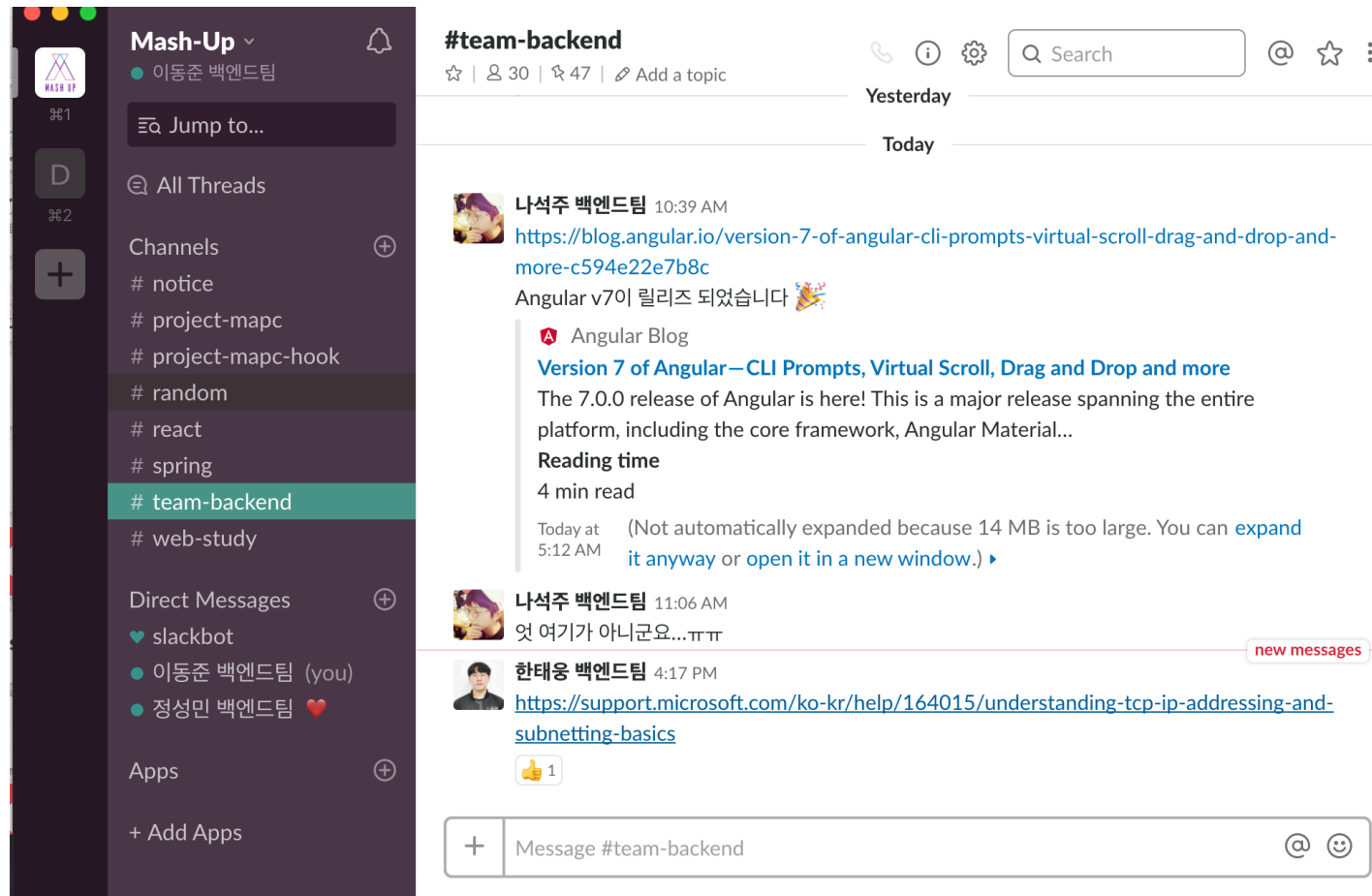
Hook

02

Slack

- Slack
- Hook
- Slack & GitHub





Mash- up

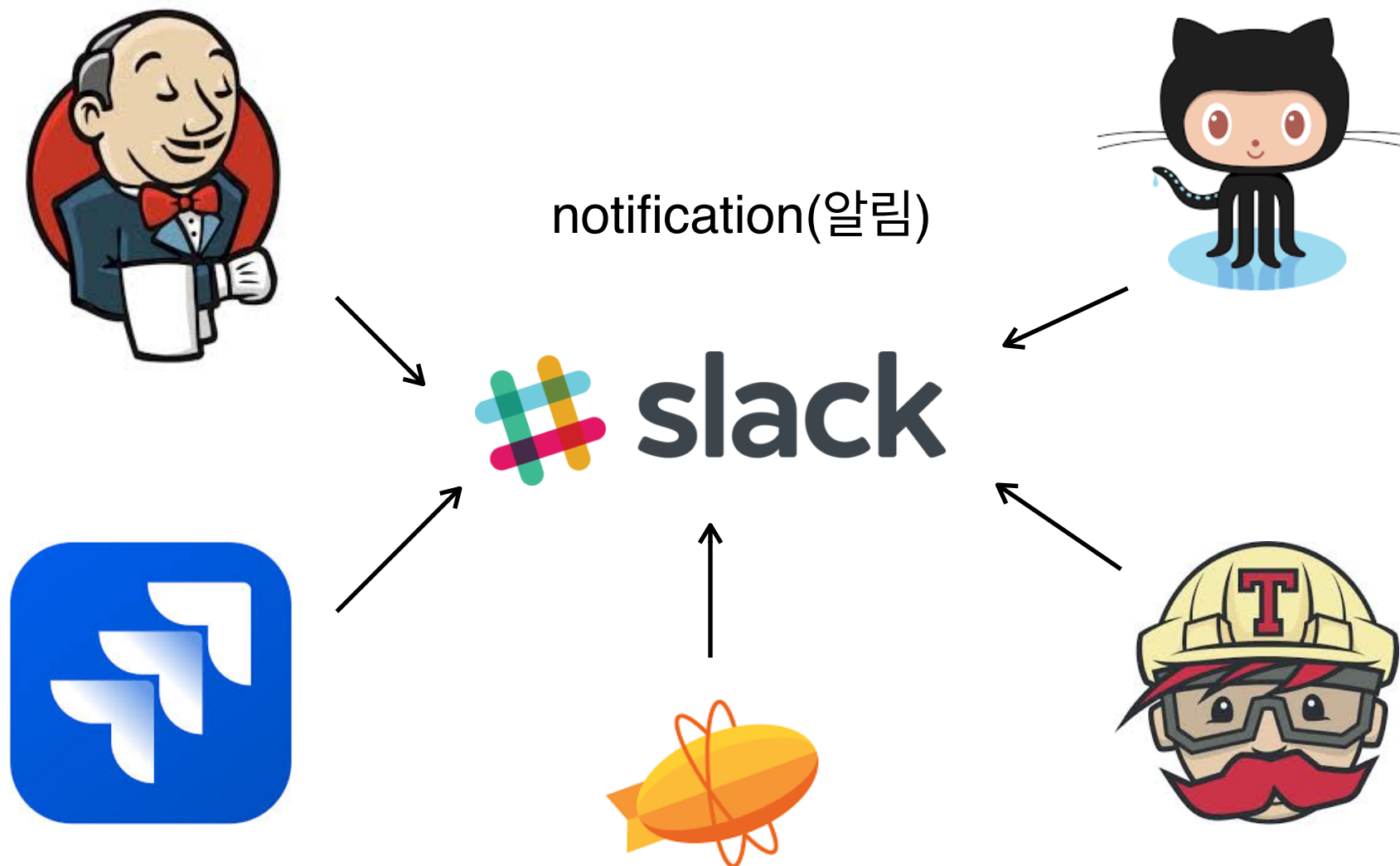
https://medium.com/@justin_jin/%EC%8A%AC%EB%9E%99%EC%9D%B4-%EC%B9%B4%EC%B9%B4%EC%98%A4%ED%86%A1%EB%B3%B4%EB%8B%A4-%EC%A2%8B%EC%9D%80-%EC%9D%B4%EC%9C%A0-d7153f0b2af7

<https://ppss.kr/archives/62444>

참고

HOOK

갈고리, 걸이



Slack - Hook



- Channels (+)
- # notice
- # project-mapc
- # project-mapc-hook
- # random
- # react
- # spring
- # web-study
- # team-backend

Zeplin APP 2:15 AM
Splash is updated! 🏃 Open in [App](#) • [Web](#)

(29 kB) ▾

elop
urses-api
ail-course-api

트래비스봇 APP 9:57 PM

Build [#145 \(51bc48c\)](#) of Mash-Up-MapC/MapC-android@feature/guide by jeongahri failed in 2 min 17 sec

Build [#144 \(322d891\)](#) of Mash-Up-MapC/MapC-android@feature/guide by JEONG AH SHIN passed in 4 min 22 sec

57 PM Build [#146 \(06b4867\)](#) of Mash-Up-MapC/MapC-android@develop in PR [#38](#) by jeongahri failed in 2 min 25 sec

Slack hook

Slack - Hook



Add apps to your workspace



Giphy
An online library of animated GIFs

Install



Google Drive
Get notifications about Google Drive files within Slack

Install



Trello
Collaborate on Trello projects without leaving Slack.

Install



Dropbox
Cloud file storage and syncing

Install



Twitter
Bring tweets into Slack.

Install



Simple Poll
Create native and simple polls in Slack.

Install



Google Calendar
A shared calendar for your team.

Install



Google+ Hangouts
Bring your conversations to life with free video calls.

Install



To-do
Simple and powerful to-do list and task manager by Workast

Install

많은 app

- ☐ Just the push event.
 - ☐ Send me **everything**.
 - ☒ Let me select individual events.
- | | |
|--|---|
| <input type="checkbox"/> Check runs
Check run is created, requested, rerequested, or completed. | <input type="checkbox"/> Check suites
Check suite is requested, rerequested, or completed. |
| <input type="checkbox"/> Commit comments
Commit or diff commented on. | <input type="checkbox"/> Branch or tag creation
Branch or tag created. |
| <input type="checkbox"/> Branch or tag deletion
Branch or tag deleted. | <input type="checkbox"/> Deployments
Repository deployed. |
| <input type="checkbox"/> Deployment statuses
Deployment status updated from the API. | <input type="checkbox"/> Forks
Repository forked. |
| <input type="checkbox"/> Wiki
Wiki page updated. | <input checked="" type="checkbox"/> Issue comments
Issue comment created, edited, or deleted. |
| <input checked="" type="checkbox"/> Issues
Issue opened, edited, closed, reopened, assigned, unassigned, labeled, unlabeled, milestone, or demilestoned. | <input type="checkbox"/> Labels
Label created, edited or deleted. |
- | | |
|---|---|
| <input type="checkbox"/> Collaborator add, remove, or changed
Collaborator added to, removed from, or has changed permissions for a repository. | <input type="checkbox"/> Milestones
Milestone created, closed, opened, edited, or deleted. |
| <input type="checkbox"/> Page builds
Pages site built. | <input type="checkbox"/> Projects
Project created, updated, or deleted. |
| <input type="checkbox"/> Project cards
Project card created, updated, or deleted. | <input type="checkbox"/> Project columns
Project column created, updated, moved or deleted. |
| <input type="checkbox"/> Visibility changes
Repository changes from private to public. | <input checked="" type="checkbox"/> Pull requests
Pull request opened, closed, reopened, edited, assigned, unassigned, review requested, review request removed, labeled, unlabeled, or synchronized. |
| <input checked="" type="checkbox"/> Pull request reviews
Pull request review submitted, edited, or dismissed. | <input checked="" type="checkbox"/> Pull request review comments
Pull request diff comment created, edited, or deleted. |
| <input checked="" type="checkbox"/> Pushes
Git push to a repository. | <input type="checkbox"/> Releases
Release published in a repository. |
| <input type="checkbox"/> Repositories
Repository created, deleted, archived, unarchived, publicized, or privatized. | <input type="checkbox"/> Repository imports
Repository import succeeded, failed, or cancelled. |

Github hook

Slack - Slack & GitHub



All Threads

Channels

general

random

spring-study

spring-study-talk

Direct Messages

slackbot

이동준 (you)

서동현

+ Invite People

Apps

GitHub

~/git/Spring-Study develop*

Wednesday, October 10th

- [] issue 제목은 유의미한가?
- [] issue 내용은 issue 내용만 확인하고도 모르는 사람도 파악할 수 있을 정도로 기술되었는가? (무엇을, 언제, 어디서...)
- [] reference가 있다면 추가했는가?

Show more

github APP 9:51 PM

[DH-DJ-SPRING/Spring-Study] New comment by korea8378 on issue #3: 모작 프로젝트 기능 분석하기 (assigned to sdh2398, korea8378)

@sdh2398 @korea8378 회원관리 모델링, CRUD(추후 OAuth2.0으로 전환)

Saturday, October 13th

github APP 1:25 PM

[Spring-Study:develop] 1 new commit by korea8378:

1b397c1 test - korea8378

Today

github APP 8:07 PM

[Spring-Study:develop] 1 new commit by korea8378:

4d480b9 add : Add test slack hook - korea8378

+ Message #spring-study

@

Github hook

03

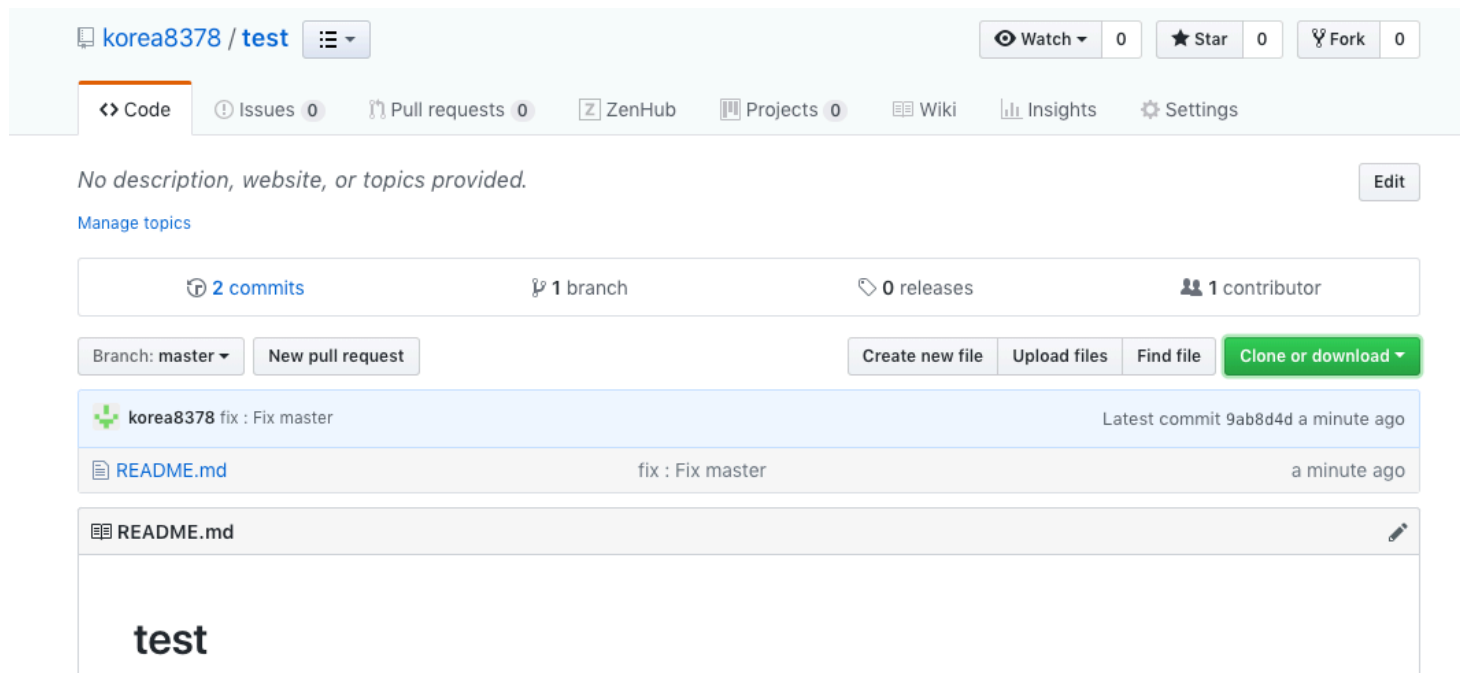
실습

- Hook & PR
- Rebase

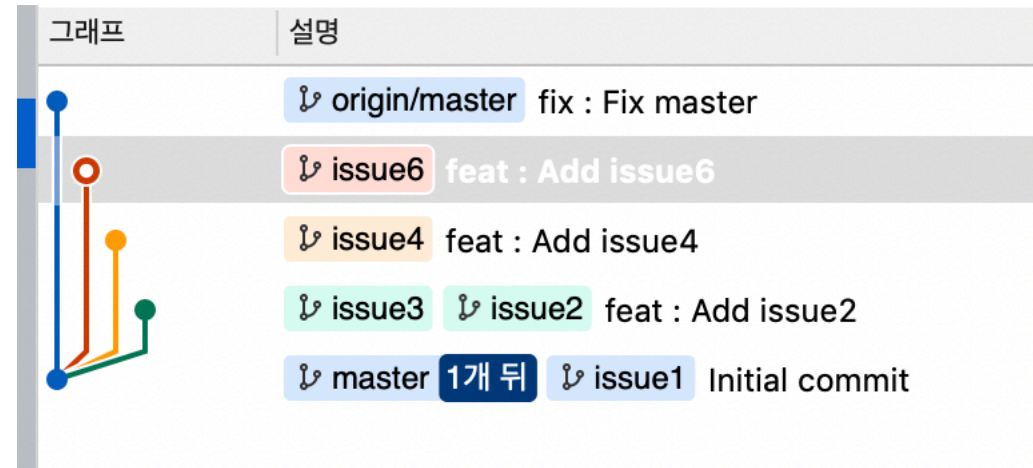
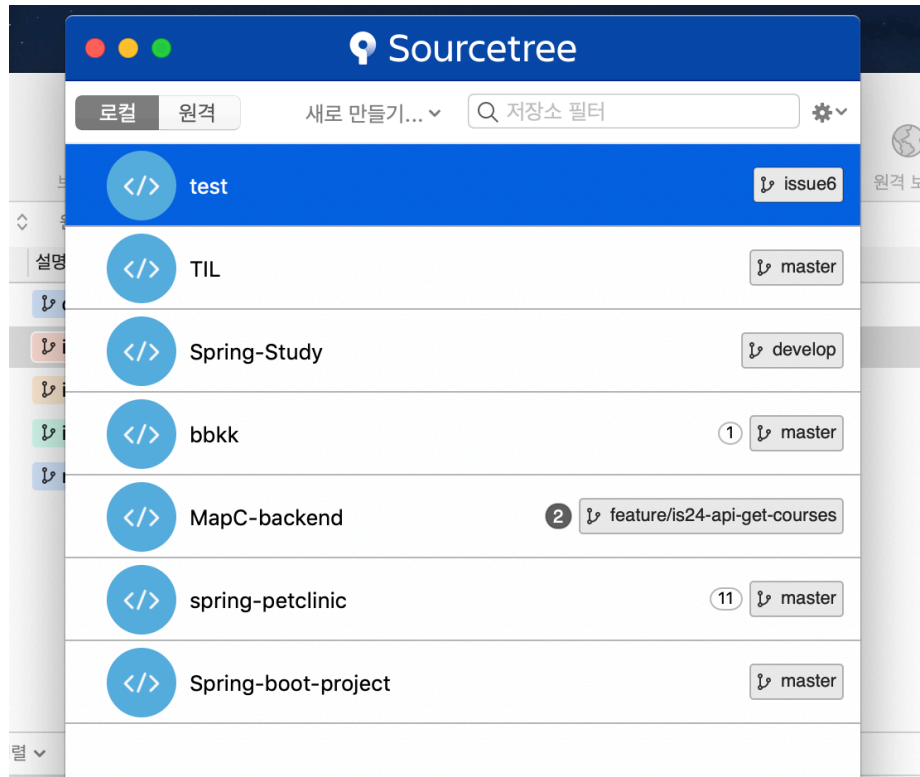
1. 짝궁과 같이 Mash-UP-BACKEND-6th에 Repository를 만든다.
(아무렇게나 만드세요)
2. GitHub - Slack Hook 연결을 해본다(채널명:)
3. Branch를 만들어서 [read.me](#) 파일에 앞으로 자신의 각오를 적고 PR을 해본다.
(짝궁을 리뷰어로 해주세요)
4. Slack에 hook이 오는지 확인 해보세요

Git -flow

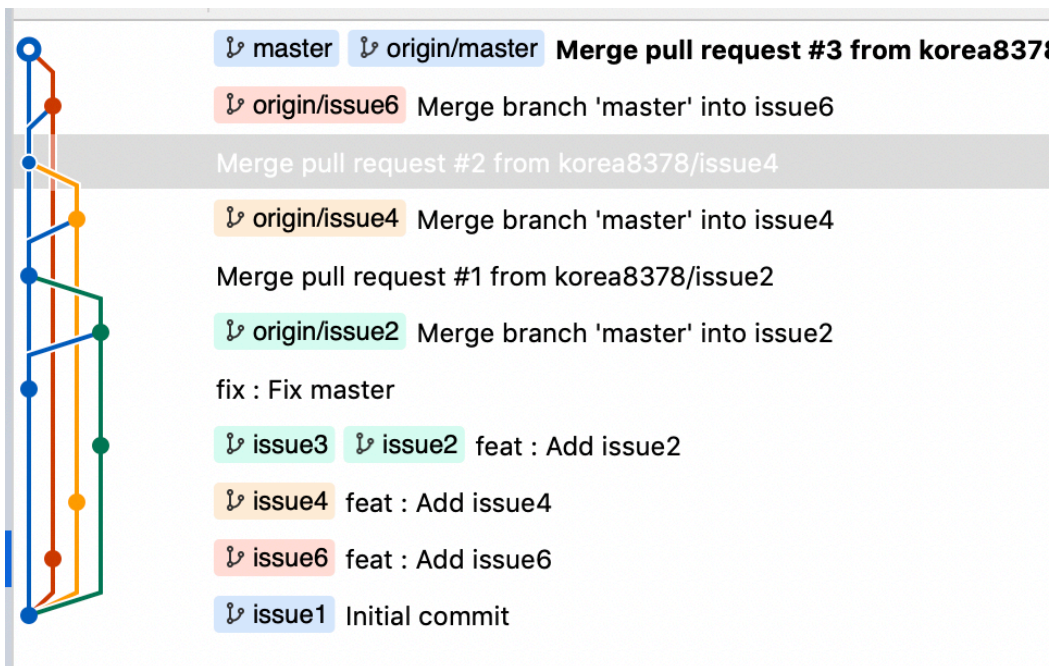
<http://woowabros.github.io/experience/2017/10/30/baemin-mobile-git-branch-strategy.html>



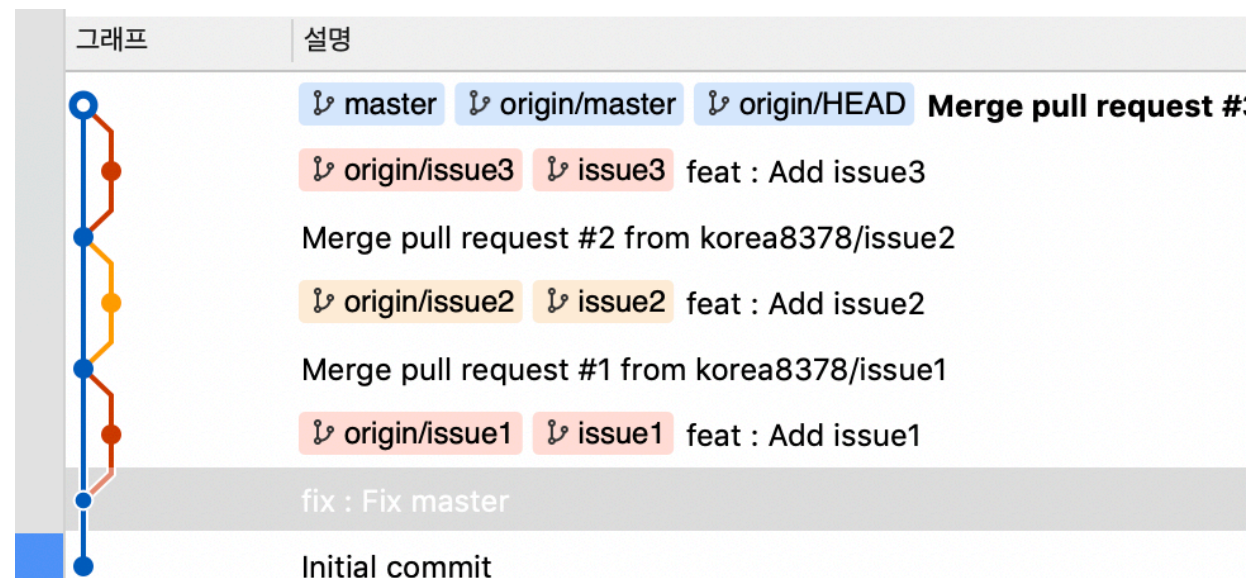
Rebase 후 Merge



GUI 툴



그냥 merge



Rebase 후 merge

https://backlog.com/git-tutorial/kr/stepup/stepup2_8.html

<http://theeye.pe.kr/archives/1980>

<http://woowabros.github.io/experience/2017/10/30/baemin-mobile-git-branch-strategy.html>

Slack 활성화를 시키고 싶습니다.

여러분의 생각을 말해주세요~~~

THANKS FOR WATCHING

감사합니다

2018.10.20

백엔드팀 이동준