

Git / Github

Git/Github

- 2019.05.15 -
(2일차)

Git - 그림설명

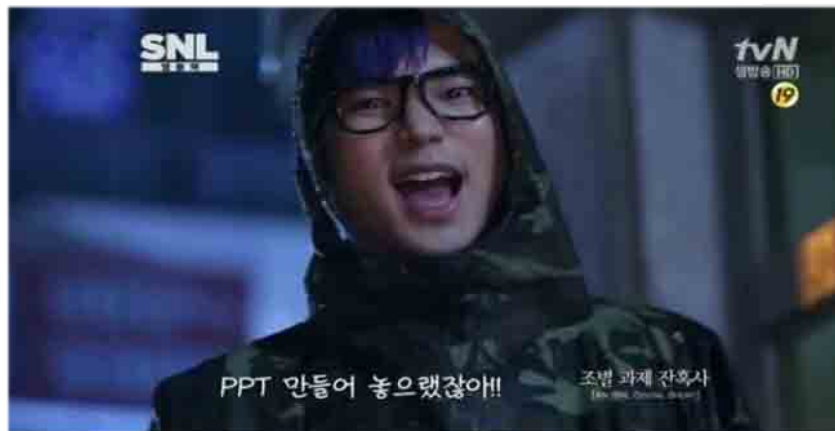
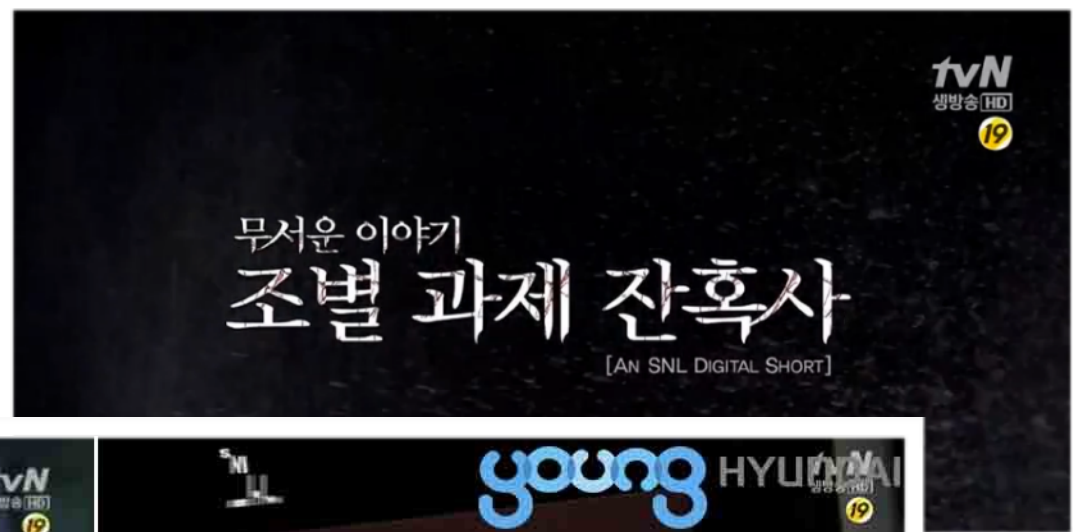


협업

- ▶ 우리는 태생적으로 협업을 싫어해요

협업

- ▶ 공산주의가 왜 망했는지 완벽한 예



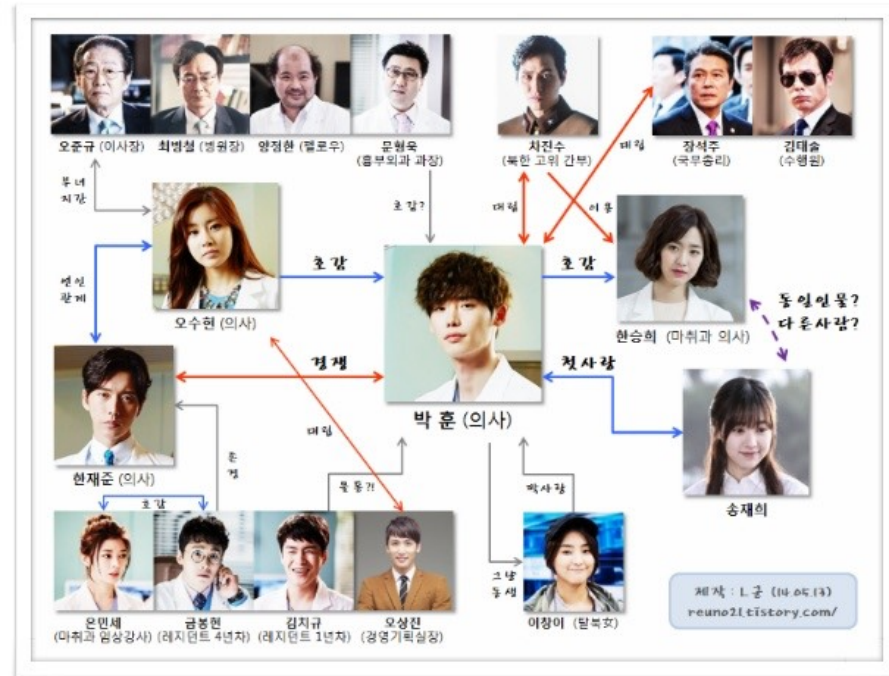
협업

▶ 커뮤니케이션 능력 아주 중요!!

▶ 커뮤니케이션을 잘하는 방법은
커뮤니케이션을 하지 않는 것이다

- 말 (X)
- 글 (O)
- 그림 (O)
- 드라마 주인공의 관계도는
그림으로 설명해야 한다

▶ 자신의 생각을
글과 그림으로 빠르게 표현 할 수 있어야 한다



협업

- ▶ 자신의 생각을
글과 그림으로 **빠르게** 표현 할 수 있어야 한다



Markdown

협업 - Markdown

▶ Markdown

- 마크업 언어의 일종
- 텍스트 문서의 양식을 편집하는 문법
- 확장자 : .md
- 2004년 처음 만들어짐

▶ Github 문서 == Markdown

- Github 뿐 아니라, 최근 유행하는 개발자 플랫폼은 Markdown
- Bitbucket
- Yobi (Naver)

Seeing is
Believing

협업 - Markdown

- ▶ Marxico

- <https://marxi.co/#notebook-tags>

- ▶ Haroopad - 추천!!

- <http://pad.haroopress.com>
 - Demo

헬업 - Markdown

▶ 문법

- <http://blog.kalkin7.com/2014/02/05/wordpress-markdown-quick-reference-for-koreans>
- <https://gist.github.com/ihoneymon/652be052a0727ad59601>

협업 - Markdown

▶ 실습 1

- <http://pad.haroopress.com/page.html?f=markdown>
 - 이 페이지를 똑같이 작성해 주세요

▶ 실습 2

- 계산기 Github 에 설명(README.md) 파일을 작성해주세요

Mockup Tool

Mockup Tool

Mockup Tool

▶ Prototype 디자인 도구

- 빠르게 그릴 수 있다
- 정확하게 그릴 수 있다

Seeing is
Believing

Quick Add: Search UI Library

All Big Buttons Common Containers Layout Markup Media Text iPhone

Item One

Ale

Alert text

[Home](#) > [Products](#)



Button

One

Two

FEB 2008						
S	M	T	W	T	F	S
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23

1

Accordion

Alert Box

Arrow / Line

Breadcrumbs

Browser Window

Button

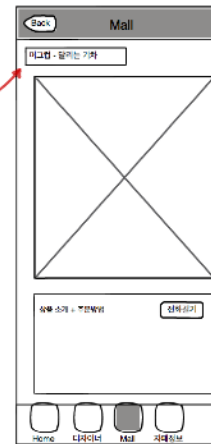
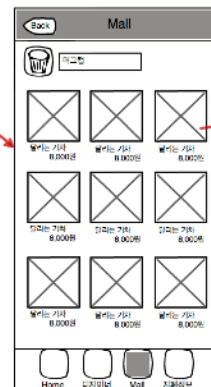
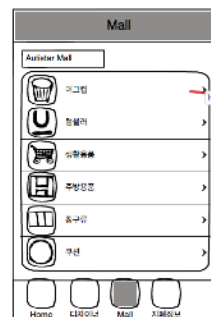
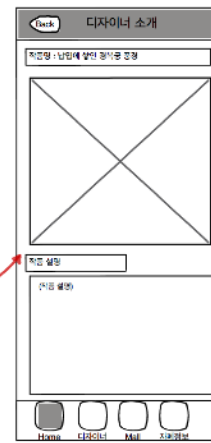
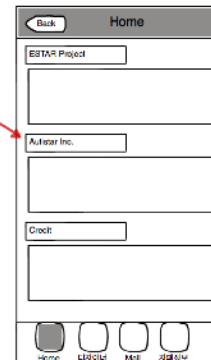
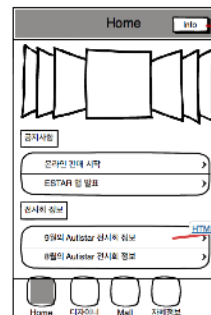
Button Bar / Tab B...

Calendar

Callout

Chart: Bar

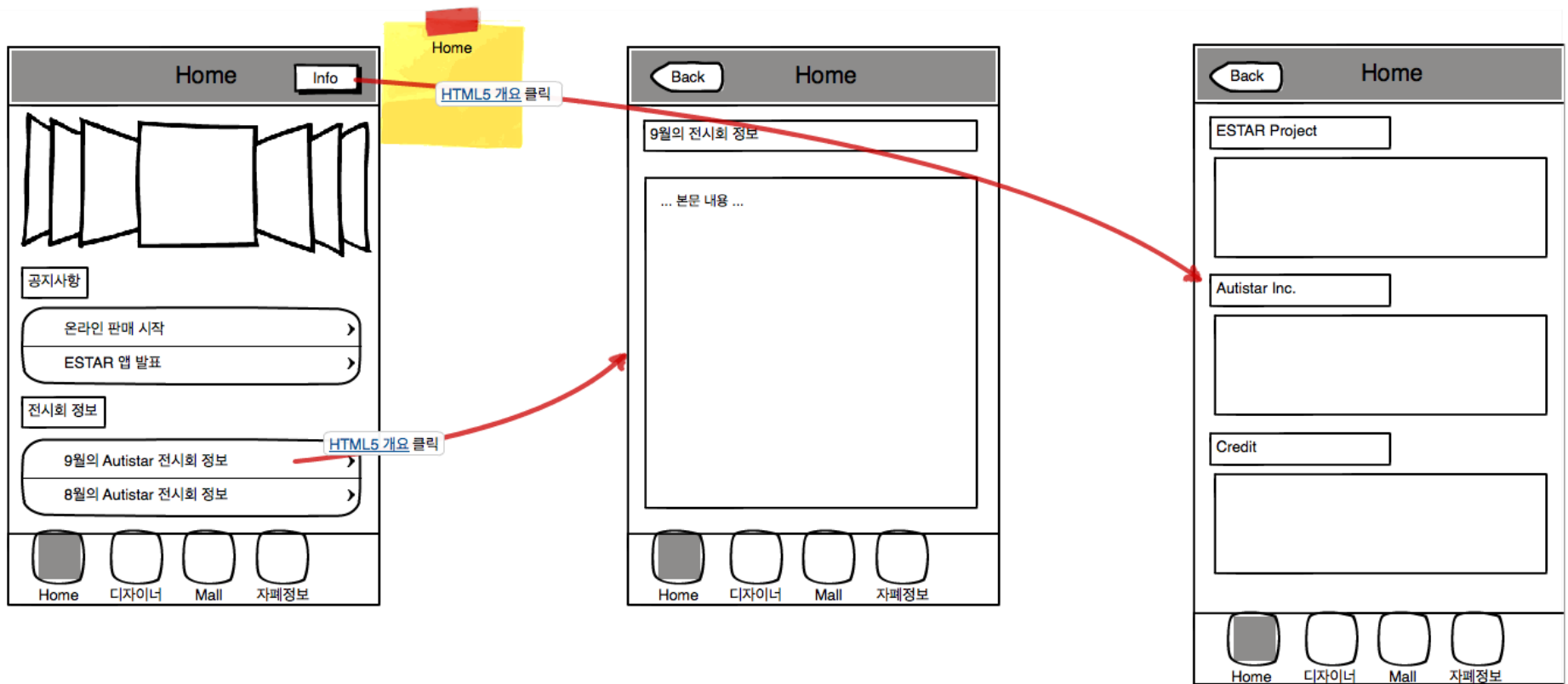
Mockup Tool



Mockup Tool

▶ 실습

- <https://balsamiq.com>





Project

▶ 프로젝트를 만드시고

- 적당한 프로젝트 Fork 하세요
- 권장 : <https://github.com/ColorlibHQ/AdminLTE>

▶ 조별로 서로서로 Pull Request 합니다

- Issue 생성
 - “제가 Login 페이지를 한글화 하려 합니다.”
 - “제가 회원가입 페이지를 한글화 하겠습니다.”
 - 권장 수정 : Login / Register / 404 Error / 500 Error
- Fork
- Commit / Push
- Pull Request
 - Issue 번호를 Commit Message 에 넣어주세요

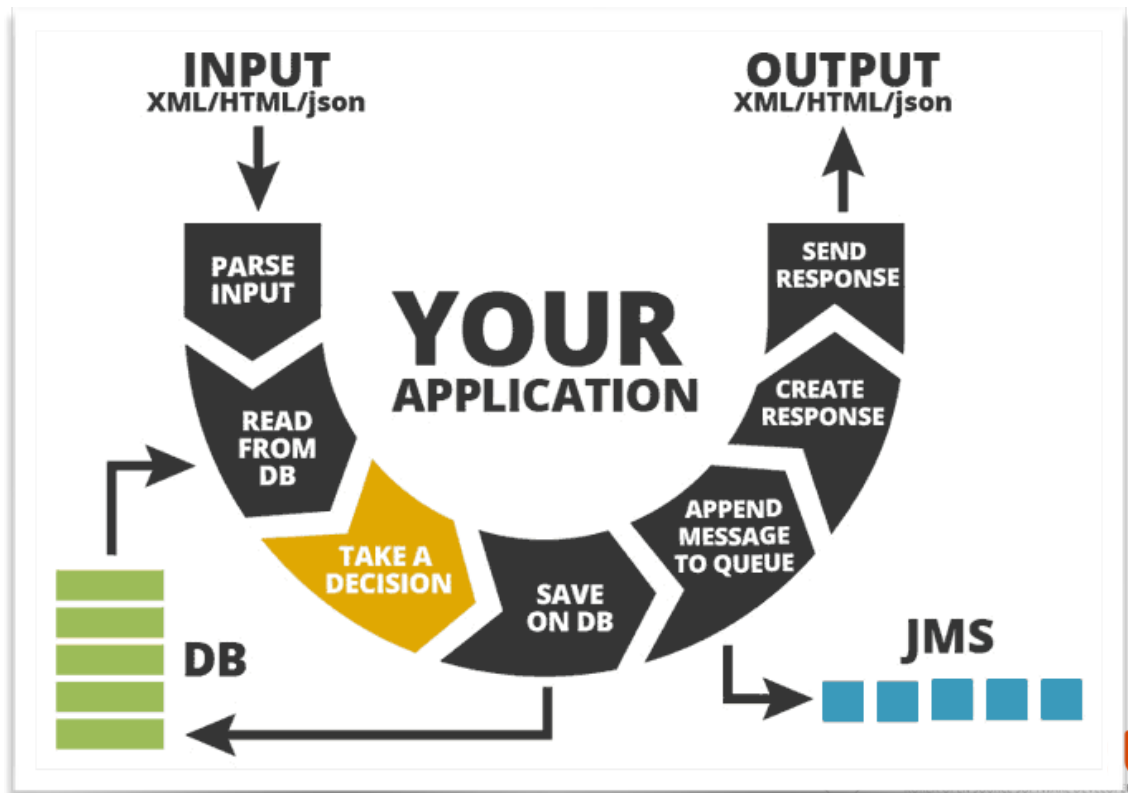
Unit Test

▸ 단위 테스트

- 코드 테스트를 통해 무결성 보장

▸ 꼭 해야 하는가?

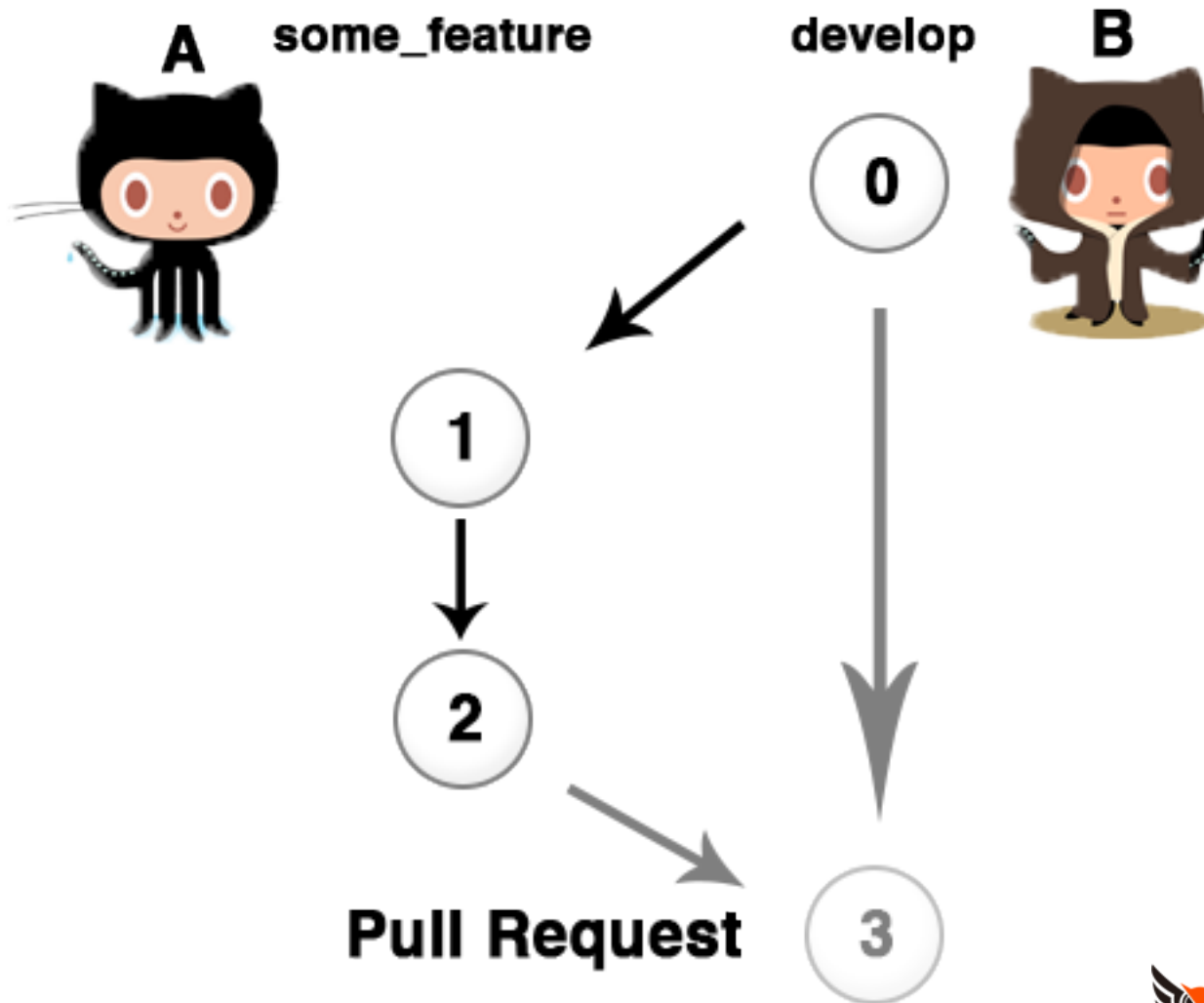
- 잘나가는 Open Source 프로젝트에는 반드시 적용되어 있다



Travis CI

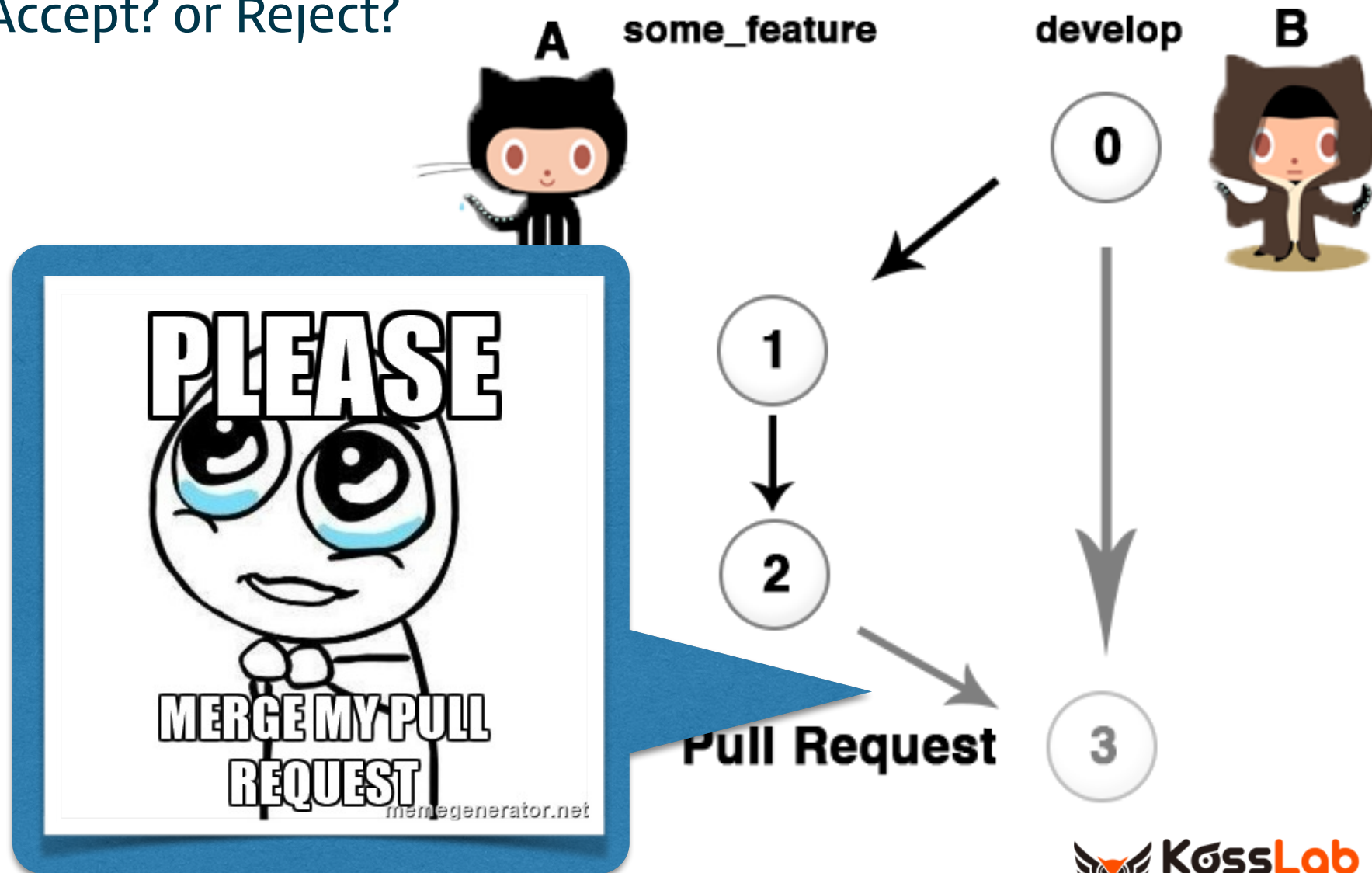
Pull Request

- ▶ Accept? or Reject?



Pull Request

- ▶ Accept? or Reject?



Pull Request

- ▶ Accept? or Reject?



Pull Request

- ▶ Accept? or Reject?

Unit

with **JUnit**



JUnit

▸ Unit test

Jenkins

search

JenkinsjUnit Example#14Test ResultsCustomerContactAddress

ENABLE AUTO REFRESH

[Back to Project](#)

[Status](#)

[Changes](#)

[Console Output](#)

[Edit Build Information](#)

[History](#)

[Test Result](#)

[Previous Build](#)

Test Result : Address

1 failures

4 tests
Took 0 ms.
 [add description](#)

All Tests

Test name	Duration	Status
Insert City	0 ms	Passed
Insert State	0 ms	Passed
Insert Street	0 ms	Passed
Zip	0 ms	Failed

Travis CI

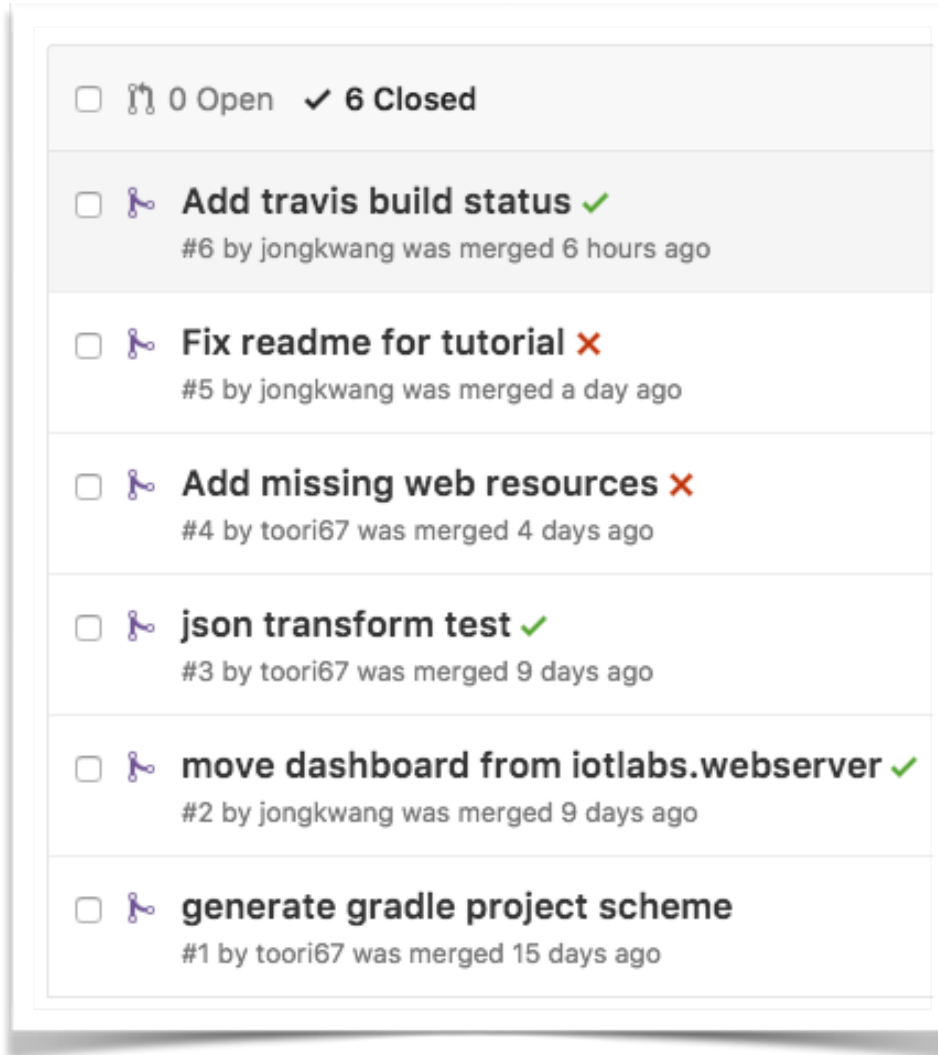
- ▶ Github 와 연동하여 지속적 통합(Continuous Integration)을 호스팅 하는 서비스
- ▶ 다양한 언어 지원
 - C, C++, Clojure, Erlang, Go, Groovy, Haskell, Java, JavaScript (Node.js), Objective-C, Perl, PHP, Python, Ruby, Scala



Travis CI

Travis CI

▶ Github 에 Test 결과가 표시된다



A screenshot of a GitHub pull request list. At the top, it shows a summary: 0 Open and 6 Closed pull requests. Below this, there are seven pull requests listed, each with a checkbox, a merge icon, a title, a status indicator (green checkmark or red X), and a description of the pull request number, author, and merge time.

Checkbox	Icon	Title	Status	Description
<input type="checkbox"/>		0 Open	✓	6 Closed
<input type="checkbox"/>		Add travis build status	✓	#6 by jongkwang was merged 6 hours ago
<input type="checkbox"/>		Fix readme for tutorial	✗	#5 by jongkwang was merged a day ago
<input type="checkbox"/>		Add missing web resources	✗	#4 by toori67 was merged 4 days ago
<input type="checkbox"/>		json transform test	✓	#3 by toori67 was merged 9 days ago
<input type="checkbox"/>		move dashboard from iotlabs.webserver	✓	#2 by jongkwang was merged 9 days ago
<input type="checkbox"/>		generate gradle project scheme		#1 by toori67 was merged 15 days ago


Travis CI

- ▶ Github 에 Test 결과가 표시된다

Add travis build status #6

Merged jongkwang merged 2 commits into `master` from `add-status-to-readme` 6 hours ago



Conversation 1 Commits 2 Files changed 1



jongkwang commented 6 hours ago IoT Labs member

No description provided.

jongkwang added some commits 6 hours ago

-  Add travis build status ✓ c6e007d
-  Add codecov status ✓ b0ae65f

Travis CI

- ▶ Docker 기반
- ▶ Test 용도의 Hosting 지원

▶

Open Source	Startup	Small Business	Premium
Free always	\$129 USD per month	\$249 USD per month	\$489 USD per month
<ul style="list-style-type: none">✓ Fair use✓ Unlimited build minutes✓ Unlimited repositories✓ Unlimited collaborators	<ul style="list-style-type: none">2 Concurrent jobs✓ Unlimited build minutes✓ Unlimited repositories✓ Unlimited collaborators	<ul style="list-style-type: none">5 Concurrent jobs✓ Unlimited build minutes✓ Unlimited repositories✓ Unlimited collaborators	<ul style="list-style-type: none">10 Concurrent jobs✓ Unlimited build minutes✓ Unlimited repositories✓ Unlimited collaborators
Get Started	Start Trial	Start Trial	Start Trial

Codecov

- ▶ Code Coverage 를 표시한다.
 - Patch before/after 비교를 해준다
 - Line count 로 명확히 표시한다
- ▶ 손쉬운 사용



Codecov

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 - Line count 로 명확히 표시한다
- ▶ 손쉬운 사용

The screenshot shows a GitHub pull request titled "Add missing web resources #4". It features a Codecov comment that provides a detailed coverage analysis. The comment includes a table comparing the current state (master) with the proposed changes (#4). The table shows that merging the changes will decrease coverage by 0.99%. The table lists metrics such as Files, Lines, Methods, Messages, Branches, Hits, Misses, and Partial coverage. The Misses row is highlighted in red, indicating a decrease in coverage. The comment also includes a link to the Codecov service and a timestamp of 4 days ago.

Add missing web resources #4

Merged toori67 merged 1 commit into `iot-labs:master` from `toori67:add-web-resources` 4 days ago

Conversation 1 | Commits 1 | Files changed 17

toori67 commented 4 days ago IoT Labs member

No description provided.

Add missing web resources a1da417

codecov-io commented 4 days ago

Current coverage is 43.28% (diff: 0.00%)

Merging #4 into master will decrease coverage by 0.99%

	master	#4	diff
Files	16	17	+1
Lines	131	134	+3
Methods	0	0	
Messages	0	0	
Branches	11	11	
Hits	58	58	
- Misses	70	73	+3
Partial	3	3	

Powered by [Codecov](#). Last update 8dd5f77...a1da417

toori67 merged commit e83f0e5 into `iot-labs:master` 4 days ago View details Revert

1 of 3 checks passed

toori67 deleted the `toori67:add-web-resources` branch 4 days ago

Demo

Unit

with **J**Unit



Travis CI



Open Source 프로젝트 참여

Open Source Project 참여

▶ 첫발 내딛기

- 오타와 코드 정리부터 시작하세요.
 - 오타 : 한글 맞춤법 검사기 이용
 - 코드
 - > 사용하지 않는 변수 찾기
 - > 과도한 Stack 메모리 사용 억제
- Copyright 를 노력보세요
- Issue 도 큰 기여입니다

Open Source Project 참여

▶ 공개소프트웨어 개발자대회

- http://project.oss.kr/award/history.do?contest_seq=10

▶ 공개소프트웨어 개발자랩

- <https://kossilab.kr>
 - Menu : 글로벌 오픈프론티어 소개

▶ IoT Labs

- <https://github.com/iot-labs/dashboard>
- <https://github.com/iot-labs/communication>

Pull Request
1개 이상

First PR

- ▶ 해결할 첫 이슈를 찾아봅시다
 - label:first-timers-only is:open
 - <https://goo.gl/9YLpkQ>
 - label:"good first issue" is:open
 - <https://goo.gl/hA28pc>

Q/A

Git / Github

감사합니다