

GitHub로 프로젝트 운영하기



시스템소프트웨어 연구실
이건희

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- 깃허브란?
- Repository 활용하기
- branches, releases
- 깃허브 프로젝트 문서화

깃허브란?

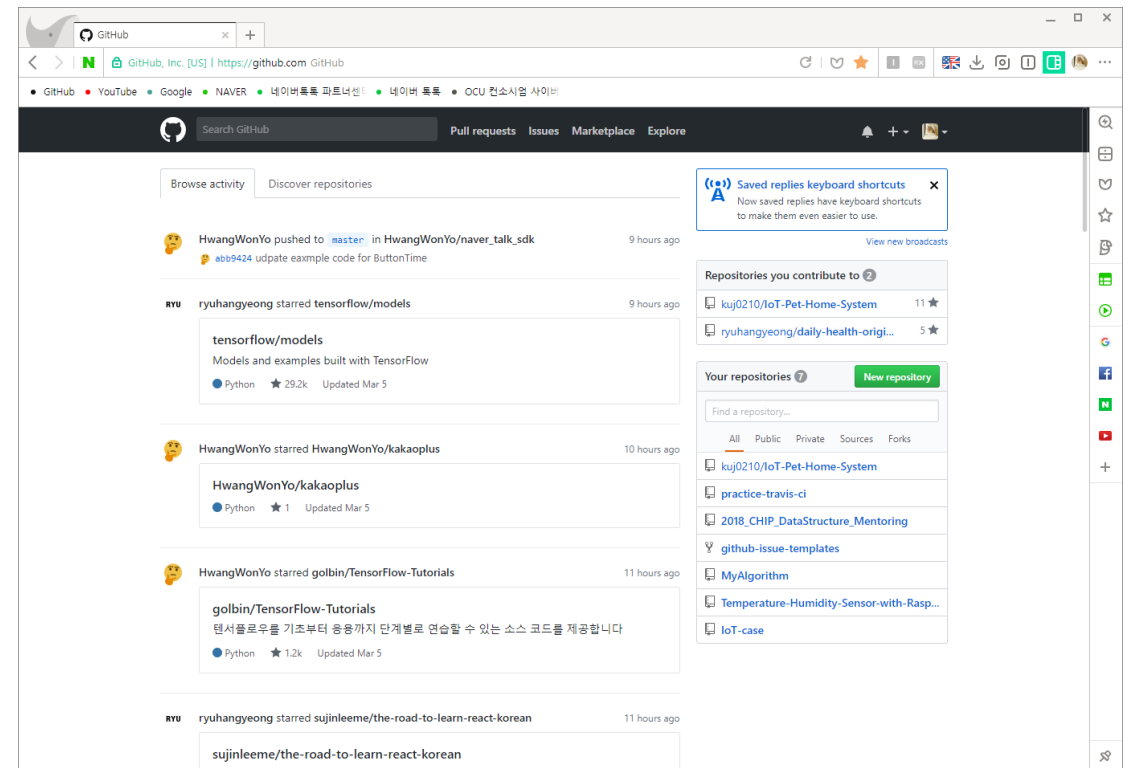
- 깃(Git)을 사용하는 프로젝트를 지원하는 웹호스팅 서비스
- 다른 사람들과의 협업을 매우 용이하게 해줌

```
MINGW64:/c/Users/user/IoT-Pet-Home-System
user@j MINGW64 ~ (master)
$ cd IoT-Pet-Home-System/

user@j MINGW64 ~/IoT-Pet-Home-System (master)
$ ls
_config.yml      ISSUE_TEMPLATE.md  README.md  version/
CODE_OF_CONDUCT.md  LICENSE            src/
IoT-Pet-Home-System/  PULL_REQUEST_TEMPLATE.md  test/

user@j MINGW64 ~/IoT-Pet-Home-System (master)
$ git --version
git version 2.15.0.windows.1

user@j MINGW64 ~/IoT-Pet-Home-System (master)
$ |
```

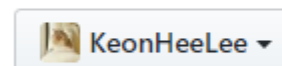


Repository 활용하기

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner



Repository name

/

Great repository names are short and memorable. Need inspiration? How about **furry-octo-broccoli**.

Description (optional)



Public

Anyone can see this repository. You choose who can commit.



Private

You choose who can see and commit to this repository.



Initialize this repository with a README

This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: None ▾

Add a license: None ▾



Create repository

[Code](#)[Issues](#) 0[Pull requests](#) 0[Projects](#) 0[Wiki](#)[Insights](#)[Settings](#)[Options](#)[Collaborators](#)[Branches](#)[Webhooks](#)[Integrations & services](#)[Deploy keys](#)

Collaborators

[Push access to the repository](#)

This repository doesn't have any collaborators yet. Use the form below to add a collaborator.

Search by username, full name or email address


You'll only be able to find a GitHub user by their email address if they've chosen to list it publicly. Otherwise, use their username instead.

[Add collaborator](#)



kuj0210/IoT-Pet-Home-Sys

GitHub, Inc. [US] | https://github.com kuj0210/IoT-Pet-Home-System: IoT Pet Home System

GitHub YouTube Google NAVER 네이버톡톡 파트너센E 네이버 톡톡 OCU 컨소시엄 사이버

 This repository Search

Pull requestsIssuesMarketplaceExplore

 + 

kuj0210 / IoT-Pet-Home-System

Unwatch1Unstar11Fork1


<> CodeIssues5Pull requests0Projects0WikiInsights

IoT Pet Home System

chatbotraspberry-pi-3python3gpio


270 commits5 branches2 releases4 contributorsGPL-3.0

Branch: masterNew pull requestCreate new fileUpload filesFind fileClone or download

 KeonHeeLee Merge pull request #69 from kuj0210/v1.0.2 Latest commit d4e0ad4 39 minutes ago

.README	renamed: README/Client&Server_Structure.png -> .README/Client&Server...	8 hours ago
main	v1.0.2 update	40 minutes ago
test	add test code	8 days ago
version	Delete v1.1.zip	8 days ago
.gitattributes	Initial commit	2 months ago
CODE_OF_CONDUCT.md	Create CODE_OF_CONDUCT.md	9 days ago
ISSUE_TEMPLATE.md	Create ISSUE_TEMPLATE.md	8 days ago
LICENSE	Merge branch 'master' into add-license-1	9 hours ago
PULL_REQUEST_TEMPLATE.md	Create PULL_REQUEST_TEMPLATE.md	8 days ago
README.md	Update README.md	8 hours ago
_config.yml	Set theme jekyll-theme-slate	5 days ago

README.md



Issue , Pull requests

- Issue 카테고리는 왜 사용하는가요?

- 버그를 기록하거나 요구사항을 전달하려고 사용

- Pull requests 카테고리는 왜 사용하는가요?

- 현재 진행중인 작업이 무엇인지 알게해줌.
 - 수정사항을 Merge 시킬 때 사용.

Issue 예시

<> Code

Issues 5

Pull requests 0

Projects 0

Wiki

Insights

Filters ▾

is:issue is:open

Labels

Milestones

New issue

☐ 5 Open ✓ 58 Closed

Author ▾


Labels ▾

Projects ▾

Milestones ▾


Assignee ▾


Sort ▾


☐  spanish translation

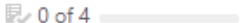

#70 opened 43 minutes ago by UlisesTJ


1


☐  Add travis-ci and set this label in our project. doing enhancement


#63 opened 4 days ago by KeonHeeLee  Document

☐  need to update "Read me" doing


#62 opened 5 days ago by kuj0210  0 of 4  Document


 3

☐  issue of camera function for analysing pet's action


#52 opened 12 days ago by kuj0210  Add analysis of p...

2

☐  Understanding the behavior of the pet [H/W issue] doing

#43 opened on 3 Feb by kuj0210  Add analysis of p...


2

 ProTip! Mix and match filters to narrow down what you're looking for.

Issue 예시

Add travis-ci and set this label in our project. #63

Open KeonHeeLee opened this issue 4 days ago · 0 comments



KeonHeeLee commented 4 days ago

Collaborator

Expected Behavior

1. The reliability of our project will be enhanced.
2. The label "build passing" can be applied.

The two reasons are to use the travis-city system. Therefore, we will raise the issue.

KeonHeeLee added enhancement doing labels 4 days ago

KeonHeeLee added this to the **Document** milestone 4 days ago

Write

Preview

AA ▾ B i “ < > ↺ ☰ ☷ ☹ ↶ @ 📌

Leave a comment

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

Styling with Markdown is supported

Close issue

Comment

Assignees

No one—assign yourself

Labels

doing
enhancement

Projects

None yet

Milestone


Document

Notifications

Unsubscribe

You're receiving notifications because you authored the thread.


1 participant



Lock conversation


Pull requests 예시


[Code](#) [Issues 5](#) [Pull requests 0](#) [Projects 0](#) [Wiki](#) [Insights](#)

Filters  is:pr is:closed



Labels Milestones


New pull request



 Clear current search query, filters, and sorts


☐  0 Open ☒ 7 Closed



Author ▾ Labels ▾ Projects ▾ Milestones ▾ Reviews ▾ Assignee ▾ Sort ▾



☐  **v1.0.2 update**  **DONE** **modify**


#69 by KeonHeeLee was merged an hour ago 


☐  **v1.0.2 update**  **DONE** **modify**


#68 by KeonHeeLee was merged an hour ago 



☐  **modify LICENSE**  **DONE** **enhancement** **modify**


#67 by KeonHeeLee was merged 9 hours ago  Document 


☐  **Add CODE_OF_CONDUCT.md to IoT-Pet-Home-System.**


#60 by bbvch13531 was merged 9 days ago  1

☐  **Server update :: 2018.02.24** **DONE** **bug** **modify** **system**


#58 by KeonHeeLee was merged 10 days ago  In progress of rel... 

☐  **Update server** **DONE** **modify**

#49 by KeonHeeLee was merged 21 days ago 

☐  **Create LICENSE**

#35 by KeonHeeLee was closed on 15 Jan

 ProTip! Adding `no:label` will show everything without a label.

Pull requests 예시


Add CODE_OF_CONDUCT.md to IoT-Pet-Home-System.

Edit

#60

Merged KeonHeeLee merged 1 commit into `kuj0210:master` from `bbvch13531:master` 9 days ago

Conversation 1 Commits 1 Files changed 1 +46 -0



bbvch13531 commented 9 days ago

Contributor

+ 😊 ✎ !



Type

- Doc


Description

- Add CODE_OF_CONDUCT to IoT-Pet-Home-System. Code of conduct clarifies an organization's mission, values and principles.

Fixes #56

  Create CODE_OF_CONDUCT.md

Verified 0a855fd




KeonHeeLee commented 9 days ago


Collaborator

+ 😊 ✎ ✕

I don't think that you add 'CODE_OF_CONDUCT'. Thank you to help us about management of project!!
I can add other 'community profile checklist' by your tip :)

 KeonHeeLee merged commit 65ca756 into `kuj0210:master` 9 days ago

Revert

 KeonHeeLee referenced this pull request 9 days ago

Document and Managing project issue. #59

Closed

4 of 5 tasks complete

Reviewers

No reviews—request one

Assignees

No one—assign yourself

Labels

None yet

Projects

None yet

Milestone



No milestone

Notifications

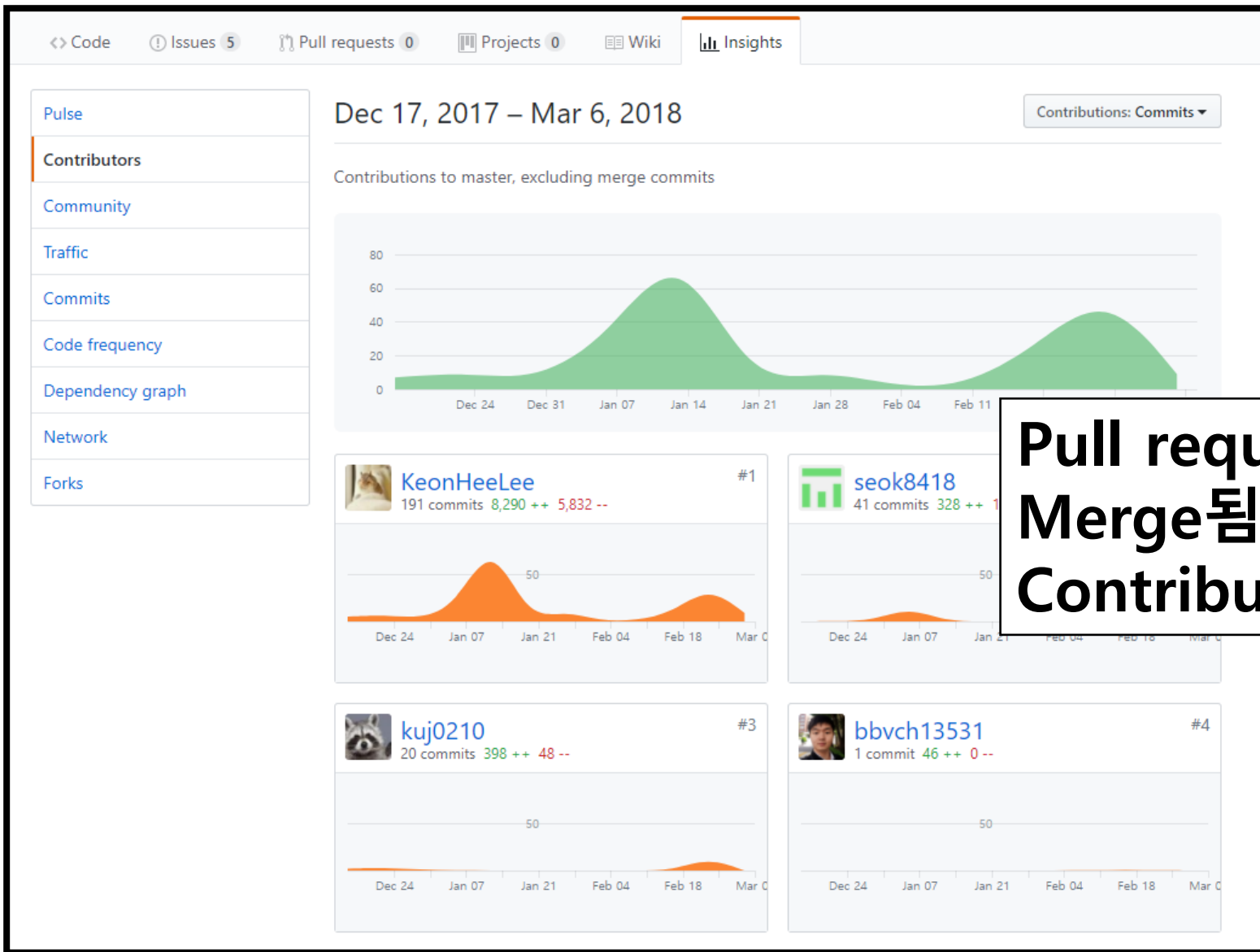
Unsubscribe

You're receiving notifications because you modified the open/close state.

2 participants

Lock conversation



Pull requests로 넣은 수정사항이
Merge됨에 따라
Contributor가 될 수 있습니다!

Milestone 예시

Labels

Milestones

New milestone

🚩 4 Open ✓ 1 Closed

Sort ▼

Relocate source code

No due date ⌚ Last updated about 1 hour ago

We must relocate our source code. Because our source code structure is not goot at contributing. Therefore I want to relocate in more detail than current source code.

100% complete

0 open

1 closed

[Edit](#) [Close](#) [Delete](#)

Add natual language function

No due date ⌚ Last updated about 6 hours ago

100% complete

0 open

3 closed

[Edit](#) [Close](#) [Delete](#)

Document

No due date ⌚ Last updated about 10 hours ago

33% complete

2 open

1 closed

[Edit](#) [Close](#) [Delete](#)

Add analysis of pet's behavior patterns

No due date ⌚ Last updated 4 days ago

We have a pi-camera moudule on RaspberryPi, but its function is onl...(more)

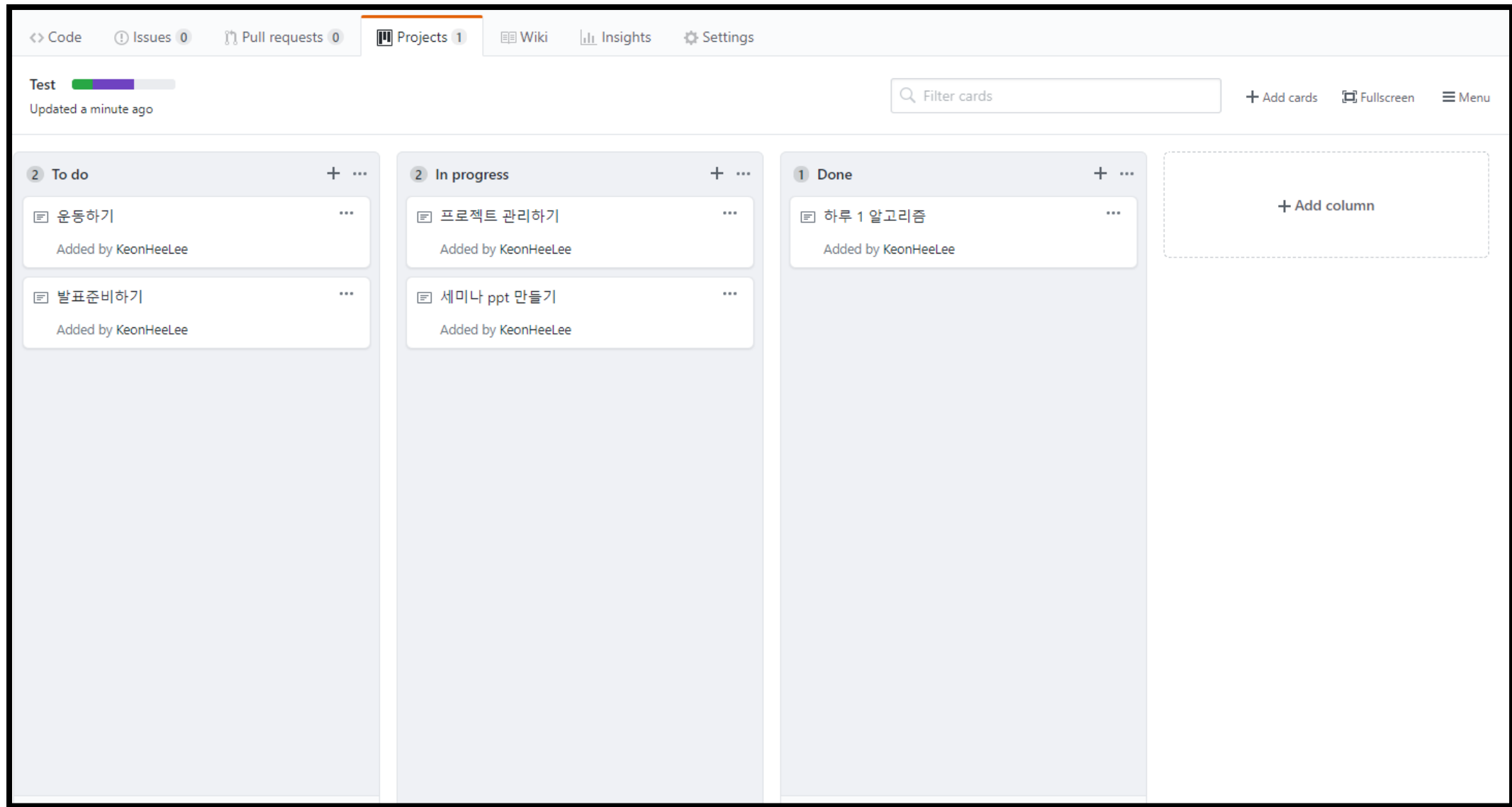
0% complete

2 open

0 closed

[Edit](#) [Close](#) [Delete](#)

Project 예시



Wiki 예시

[Code](#) [Issues 5](#) [Pull requests 0](#) [Projects 0](#) [Wiki](#) [Insights](#)

naver d2 fest 결승 ppt 초안

woojin edited this page 9 days ago · 2 revisions

[Edit](#) [New Page](#)

[ppt초안](#)

ppt초안입니다. 병원이랑 보험처리때문에 아마 바빠서 가능하면 발표할내용 최대한 채워서 보내주면 정정하겠음


- 서버쪽 담당했던 건희가 발표하기로 했었으니깐 기술관련 내용 적을 때 발표하기 편하게(서버쪽내용 위주로)
- 리드미 등 자료를 작성할 때 만드는 이미지 or 자료들은 재활용을 신경써서 작성


▼ Pages 2

[Home](#)
[naver d2 fest 결승 ppt 초안](#)

+ Add a custom sidebar

Clone this wiki locally

<https://github.com/kuj0210/> 

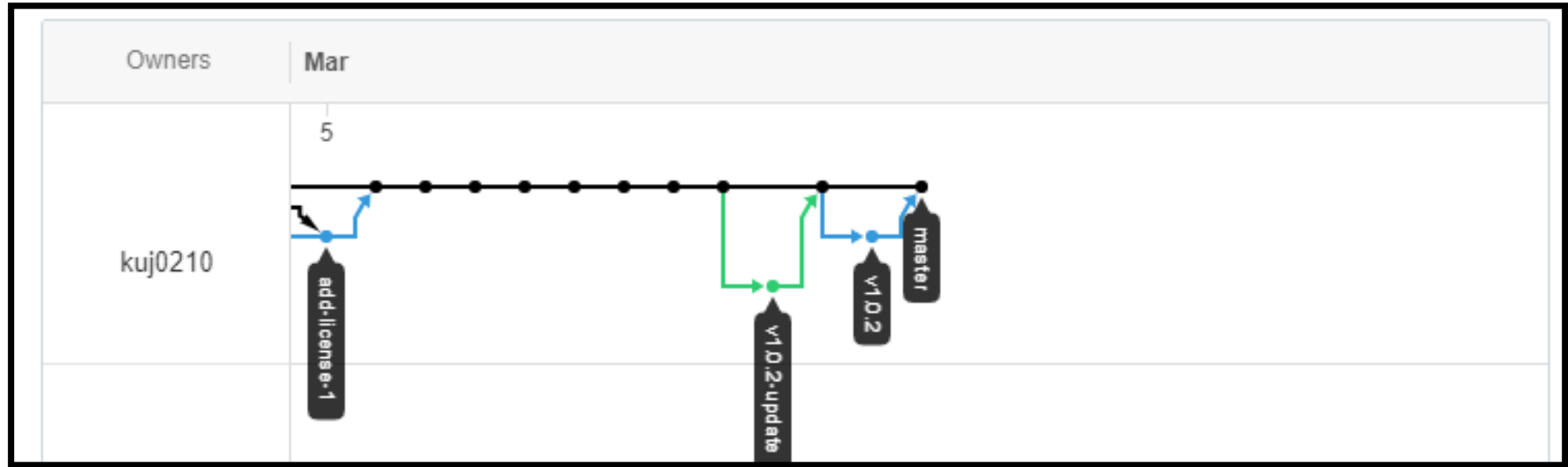
 Clone in Desktop

+ Add a custom footer

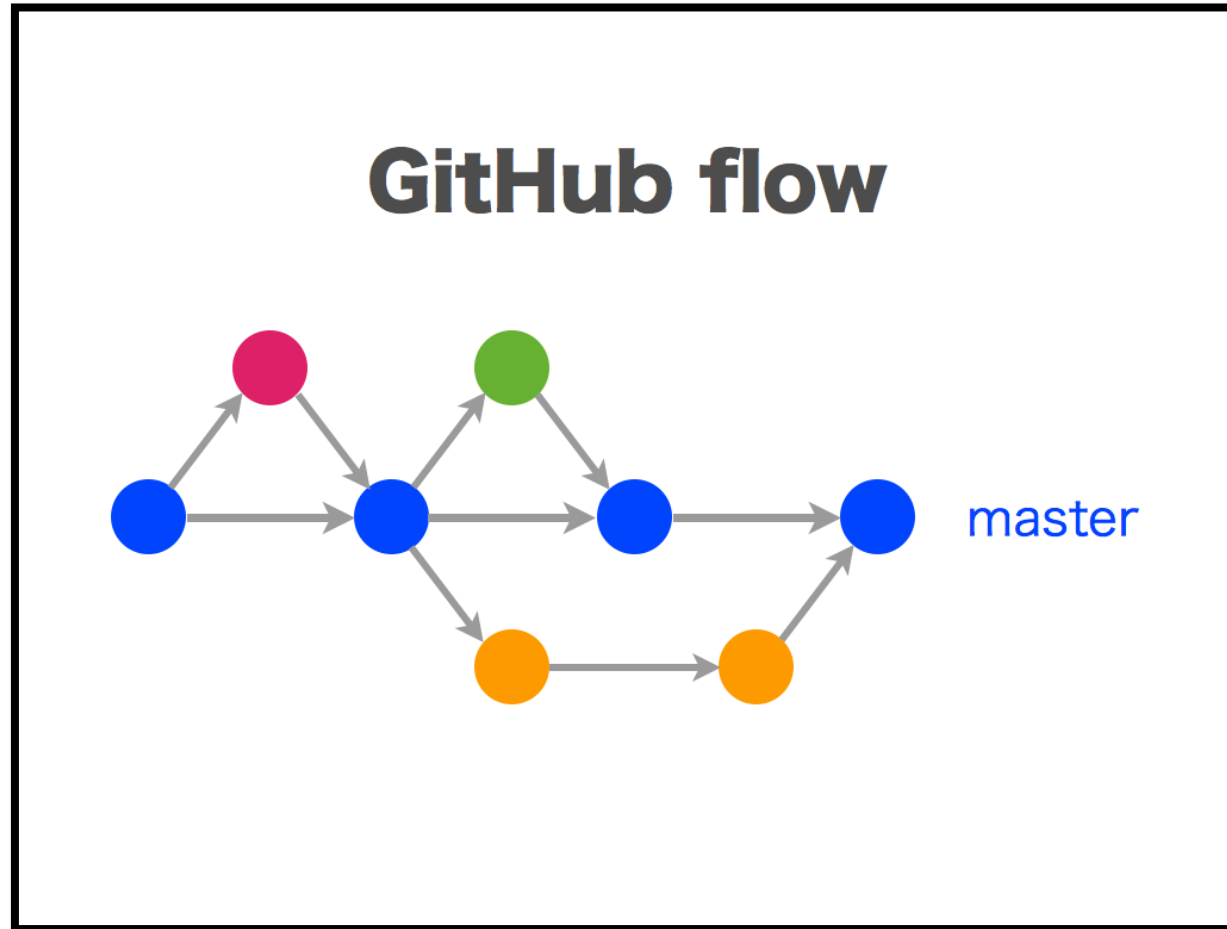
branches, releases

branches

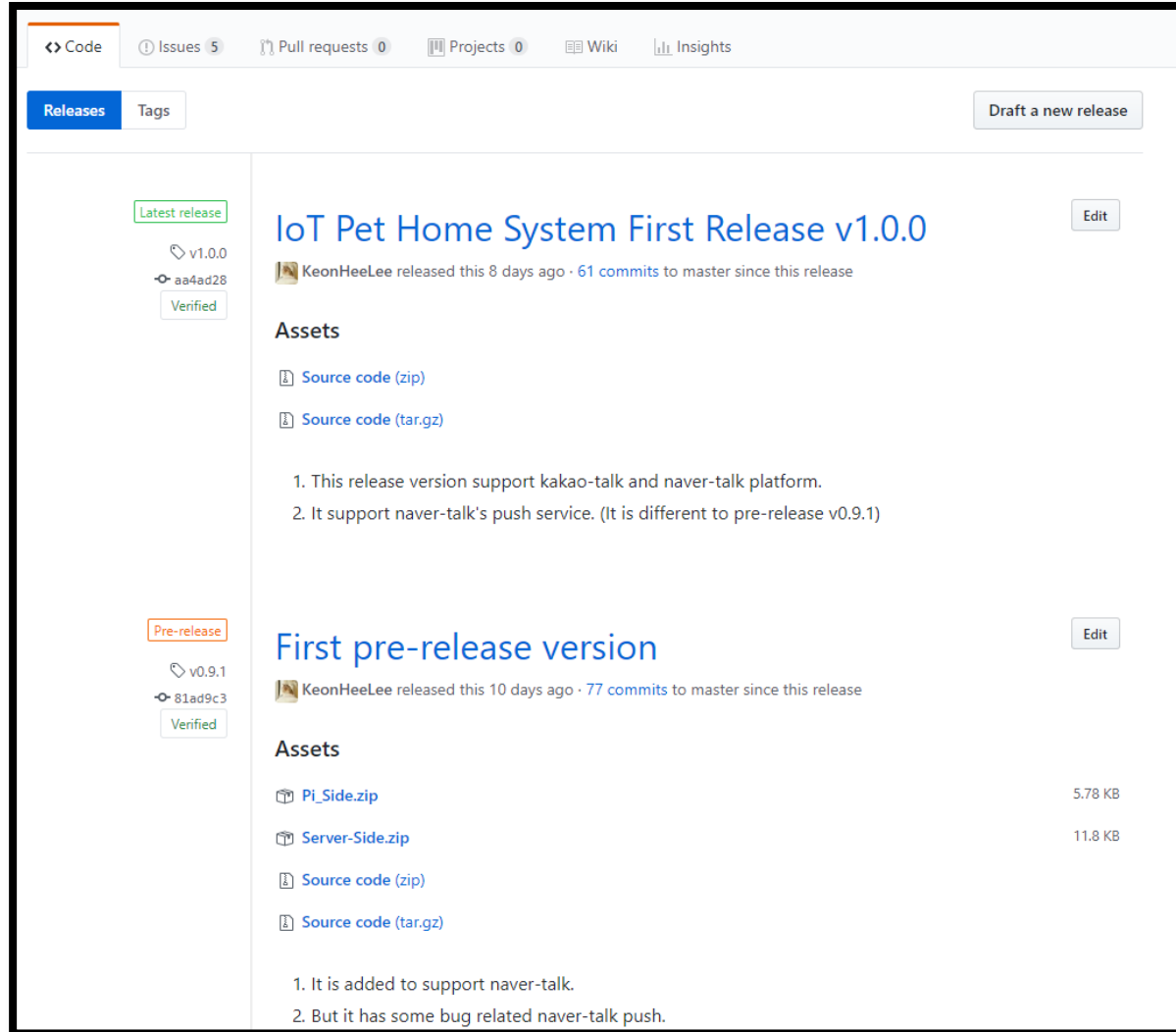
- 테스트 해보거나 새로운 기능을 개발하기 위해 사용하는 독립적인 commit
- Master branch : 기본 branch이자, 최종적으로 마무리 되는 branch



branches



releases

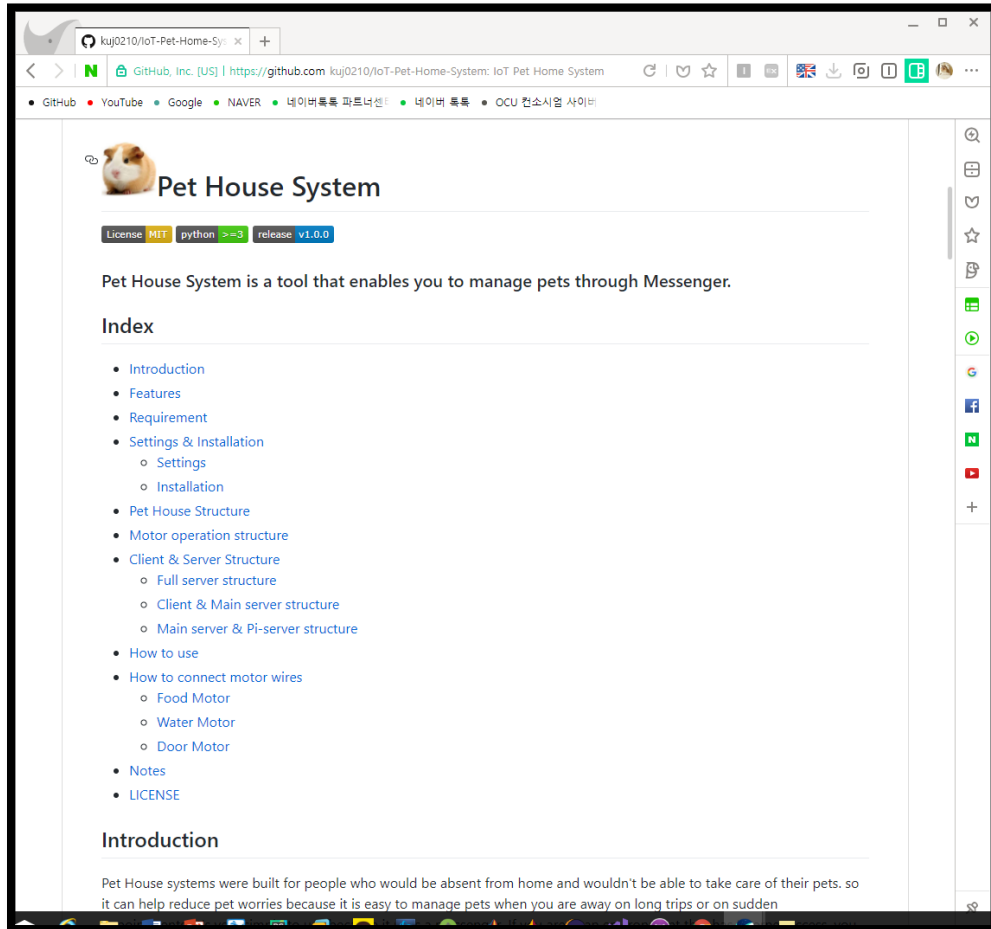


The screenshot shows the GitHub Releases page for the 'IoT Pet Home System'. The top navigation bar includes links for Code, Issues (5), Pull requests (0), Projects (0), Wiki, and Insights. Below this, the 'Releases' tab is selected, and a 'Draft a new release' button is visible. The page displays two releases:

- Latest release:** v1.0.0 (commit aa4ad28, Verified). It was released 8 days ago with 61 commits since. Assets include 'Source code (zip)' and 'Source code (tar.gz)'. The description lists two points: support for kakao-talk and naver-talk platform, and support for naver-talk's push service (different from pre-release v0.9.1).
- Pre-release:** v0.9.1 (commit 81ad9c3, Verified). It was released 10 days ago with 77 commits since. Assets include 'Pi_Side.zip' (5.78 KB), 'Server-Side.zip' (11.8 KB), 'Source code (zip)', and 'Source code (tar.gz)'. The description lists two points: added support for naver-talk, and a bug related to naver-talk push.

깃허브 문서화

README


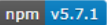

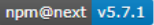




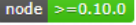

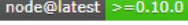

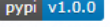
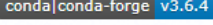
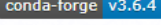


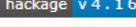
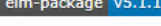
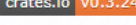
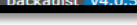


- 해당 프로젝트의 개요나 설명, 설치법에 대해서 설명
- 'README.md' 파일을 인식
- Jekyll 툴을 이용하면 더 깔끔한 Readme 작성가능.



README's Labels

- Badge images
- Custom badge

<https://shields.io/>

CDNJS:		https://img.shields.io/cdnjs/v/jquery.svg
npm:		https://img.shields.io/npm/v/npm.svg
npm (scoped):		https://img.shields.io/npm/v/@cycle/core.svg
npm (tag):		https://img.shields.io/npm/v/npm/next.svg
npm (custom registry):		https://img.shields.io/npm/v/npm.svg?registry_uri=https%3A%2F%2Fexample.com%2F
npm (scoped with tag):		https://img.shields.io/npm/v/@cycle/core/canary.svg
npm (scoped with tag, custom registry):		https://img.shields.io/npm/v/@cycle/core/canary.svg?registry_uri=https%3A%2F%2Fexample.com%2F
node:		https://img.shields.io/node/v/passport.svg
node (scoped):		https://img.shields.io/node/v/@stdlib/stdlib.svg
node (tag):		https://img.shields.io/node/v/passport/latest.svg
node (scoped with tag):		https://img.shields.io/node/v/@stdlib/stdlib/latest.svg
node (scoped with tag, custom registry):		https://img.shields.io/node/v/@stdlib/stdlib/latest.svg?registry_uri=https%3A%2F%2Fexample.com%2F
PyPI:		https://img.shields.io/pypi/v/nine.svg
Conda:		https://img.shields.io/conda/v/conda-forge/python.svg
Conda (channel only):		https://img.shields.io/conda/vn/conda-forge/python.svg
Gem:		https://img.shields.io/gem/v/formatador.svg
LuaRocks:		https://img.shields.io/luarocks/v/mpeterv/luacheck.svg
Hackage:		https://img.shields.io/hackage/v/lens.svg
Elm package:		https://img.shields.io/elm-package/v/elm-lang/core.svg
Crates.io:		https://img.shields.io/crates/v/rustc-serialize.svg
Packageist:		https://img.shields.io/packageist/v/symfony/symfony.svg

README's Labels

- Travis CI
 - Continuous Integration : 푸시할 때 자동화된 빌드 및 테스트가 실행되고 소프트웨어 품질을 향상시키는 개발 방식
 - <https://travis-ci.org/>
 - 성공 시 :  실패 시 : 

Search all repositories



kuj0210 / IoT-Pet-Home-System



build failing

My Repositories +

! kuj0210/IoT-Pet-Home-System # 62

⌚ Duration: 19 sec

📅 Finished: about 2 hours ago

Current Branches Build History Pull Requests

More options



! Pull Request #69 v1.0.2 update

🔗 #62 errored

🔄 Restart build

🔗 Commit ff0b467

🔗 #69: v1.0.2 update

🔗 Branch master

⌚ Ran for 19 sec

📅 about 2 hours ago

🔌 K.H Lee authored

🔌 GitHub committed

Job log

View config

✖ Remove log

📄 Raw log

▶ 1 Worker information

worker_info

6 Could not find .travis.yml, using standard configuration.

7 mode of '/usr/local/clang-5.0.0/bin' changed from 0777 (rwxrwxrwx) to 0775 (rwxrwxr-x)

▶ 8 Build system information

system_info

405

406 removed '/etc/apt/sources.list.d/basho_riak.list'

407 127.0.0.1 localhost

408 ::1 ip6-localhost ip6-loopback

409 fe00::0 ip6-localnet

410 ff00::0 ip6-mcastprefix

411 ff02::1 ip6-allnodes

412 ff02::2 ip6-allrouters

413 172.17.0.4 travis-job-kuj0210-iot-pet-home-s-349413636.travis-ci.net travis-job-kuj0210-iot-pet-home-s-349413636

414 W: http://ppa.launchpad.net/couchdb/stable/ubuntu/dists/trusty/Release.gpg: Signature by key 15866BAFD9BCC4F3C1E0DFC7D69548E1C17EAB57 uses weak digest algorithm (SHA1)

415 \$ git clone --depth=50 https://github.com/kuj0210/IoT-Pet-Home-System.git kuj0210/IoT-Pet-Home-System

0.53s

Issue & Pull requests Template

Expected Behavior

Actual Behavior

Steps to Reproduce the Problem

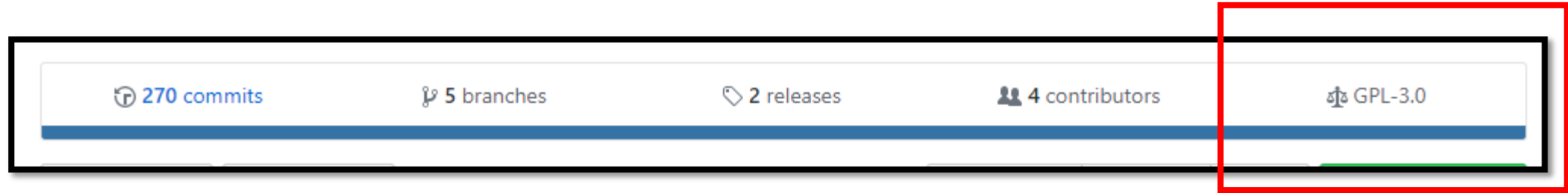
- 1.
- 2.
- 3.

Specifications


- Version:
- Platform:
- Subsystem:

- Maintainer에게 좀 더 정확하게 의견을 전달하기 위해 만듦
- Insights > Community 에서 추가 가능
- Jekyll 툴을 활용하면 더 깔끔

LICENSE




Branch: master IoT-Pet-Home-System / LICENSE Find file Copy path

 kuj0210/IoT-Pet-Home-System is licensed under the **GNU General Public License v3.0**

Permissions of this strong copyleft license are conditioned on making available complete source code of licensed works and modifications, which include larger works using a licensed work, under the same license. Copyright and license notices must be preserved. Contributors provide an express grant of patent rights.

This is not legal advice. [Learn more about repository licenses.](#)

Permissions	Limitations	Conditions
✓ Commercial use	✗ Liability	① License and copyright notice
✓ Modification	✗ Warranty	① State changes
✓ Distribution		① Disclose source
✓ Patent use		① Same license
✓ Private use		

 KeonHeeLee Merge branch 'master' into add-license-1 6cdd3d7 10 hours ago

1 contributor

675 lines (553 sloc) 34.3 KB Raw Blame History

```
1          GNU GENERAL PUBLIC LICENSE
2          Version 3, 29 June 2007
3
4  Copyright (C) 2007 Free Software Foundation, Inc. <http://fsf.org/>
5  Everyone is permitted to copy and distribute verbatim copies
6  of this license document, but changing it is not allowed.
7
8          Preamble
9
10 The GNU General Public License is a free, copyleft license for
11 software and other kinds of works.
12
13 The licenses for most software and other practical works are designed
14 to take away your freedom to share and change the works. By contrast,
15 the GNU General Public License is intended to guarantee your freedom to
16 share and change all versions of a program--to make sure it remains free
17 software for all its users. We, the Free Software Foundation, use the
18 GNU General Public License for most of our software; it applies also to
19 any other work released this way by its authors. You can apply it to
20 your programs, too.
21
22 When we speak of free software, we are referring to freedom, not
23 price. Our General Public Licenses are designed to make sure that you
24 have the freedom to distribute copies of free software (and charge for
```



네이버 오픈소스 가이드

<https://naver.github.io/OpenSourceGuide/book/>

그 외의 Community profile

Community profile

Here's how this project compares to [recommended community standards](#).

Checklist

✓ Description

✓ README

✓ Code of conduct

● Contributing

Writing contributing guidelines [Add](#)

✓ License

✓ Issue template and pull request template

[What is the community profile?](#)

- **Code of conduct**
- **Contributing guidelines**

그 외에 프로젝트 관리에 도움되는 것



OpenHub 어플리케이션



Git Bash (Git bash 사용법 : <http://gbsb.tistory.com/10>)



GitHub Desktop

참고

- 네이버 오픈소스 가이드 <https://naver.github.io/OpenSourceGuide/book/>
- 실제로 사용한 프로젝트 <https://github.com/kuj0210/IoT-Pet-Home-System>