

# GitHub

## Contribute to GitHub

Steps to contribute your changes / patches in open source repository.

1. Fork the repository
2. Create a new branch (`git checkout -b feature-branch`)
3. Make your changes
4. Commit (`git commit -m 'Add new feature'`)
5. Push to the branch (`git push origin feature-branch`)
6. Open a Pull Request

## Preparing your Fork

1. Hit 'fork' on Github, creating e.g. yourname/theproject
2. Clone your project:

```
git clone git@github.com:yourname/theproject
```

3. Create a branch:

```
cd theproject  
git checkout -b feature-branch
```

## Making your Changes

1. Add changelog entry crediting yourself.
2. Write tests expecting the correct/fixed functionality; make sure they fail.
3. Hack, hack, hack.
4. Run tests again, making sure they pass.
5. Commit your changes:

```
git commit -m "Foo the bars"
```

# Creating Pull Requests

1. Push your commit to get it back up to your fork:

```
git push origin feature-branch
```

2. Visit Github, click handy “Pull request” button that it will make upon noticing your new branch.

3. In the description field, write down issue number (if submitting code fixing an existing issue) or describe the issue + your fix (if submitting a wholly new bugfix).

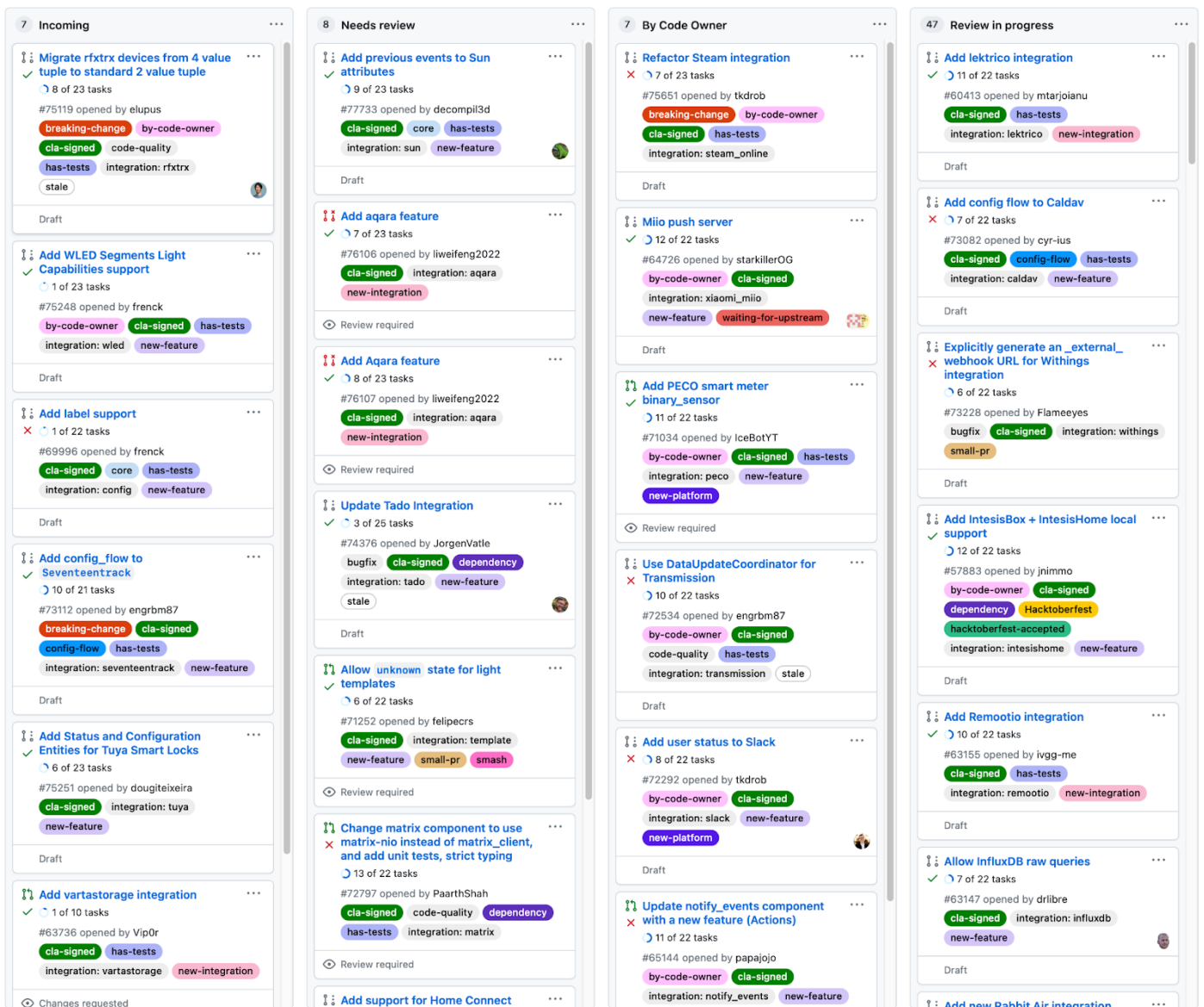
4. Hit ‘submit’! And please be patient - the maintainers will get to you when they can.

## GitHub CLI

- [What is the GitHub CLI? How to Use GitHub from the Command Line](#)

## GitHub Project

GitHub offers multiple tools to manage and plan your work. For example, GitHub Projects is a flexible tool for tracking and managing work on GitHub. You can use Projects to create an adaptable spreadsheet, task-board, and road map which integrates with your issues and pull requests. With GitHub projects, you can filter, sort, and group your issues and pull requests and customize to fit your team’s workflow. Projects can be created in a repository, and then issues can be added to them.



## GitHub Issues

GitHub Issues is a part of GitHub Projects, and it provides a way to track tasks that you need to complete. An issue can be a bug, a feature request, or a housekeeping task (like upgrading a library to the latest version). Issues can have extensive text and descriptions attached to them, including screenshots and snippets of code. Issues can be discussed, commented on, assigned to people, and tagged.

Filters  Labels 1,989 Milestones 1 New pull request

528 Open	56,180 Closed	Author	Label	Projects	Milestones	Reviews	Assignee	Sort
<b>Set up shopping list during onboarding</b>		#97974 opened 14 minutes ago by frenck	Review required	9 of 20 tasks				1
<b>Modernize aemet weather</b>		#97969 opened 2 hours ago by emontnemery	Review required	20 tasks				1
<b>Use datetime.now and datetime.fromtimestamp</b>		#97964 opened 4 hours ago by cdce8p	Draft	1 of 20 tasks				1
<b>Fix docstrings in mobile app device tracker</b>		#97963 opened 4 hours ago by joostlek	Review required	7 of 20 tasks				1
<b>Modbus: set state_class etc in slaves</b>		#97961 opened 4 hours ago by janiversen	Review required	8 of 20 tasks				1
<b>modbus: Repair swap for slaves</b>		#97960 opened 4 hours ago by janiversen	Review required	8 of 20 tasks				1
<b>Add unique_id to media_player entity of frontier_silicon</b>		#97955 opened 7 hours ago by wlcrs	Review required	7 of 20 tasks				1
<b>Restore bthome state at start when device is in range or sleepy</b>		#97949 opened 9 hours ago by bdraco	Approved	3 of 20 tasks				3
<b>Add initial sensors for Enphase Encharge batteries</b>		#97946 opened 13 hours ago by cgarwood	Draft	6 of 20 tasks				8
<b>Experiment to add support for Yale Doorman to august</b>		#97940 opened 18 hours ago by bdraco	Draft	20 tasks				

Tip: `????? issue ?????????? git commit ?????????? #+Issue NO. ???`  
Fixed this bug #156

# README Tips

- Example: <https://github.com/nuelcas/mybrandname> (More Details)

# Resources

- [A Quick Guide to Using GitHub for Project Management](#)
  - This article provides a brief overview of project management tools on GitHub.
- [GitHub for project management](#)
  - This lesson offers detailed descriptions of GitHub’s project management tools.
- [Using GitHub as your Project Management Tool](#)
  - This video provides examples on GitHub project management tools.
- [GitHub Issues: Project Planning for Developers](#)
  - This GitHub page shows the many project management tools available for developers.

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