

# GitHub

## Contribute to GitHub

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

### 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 foo-the-bars 3.5.
```

### 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

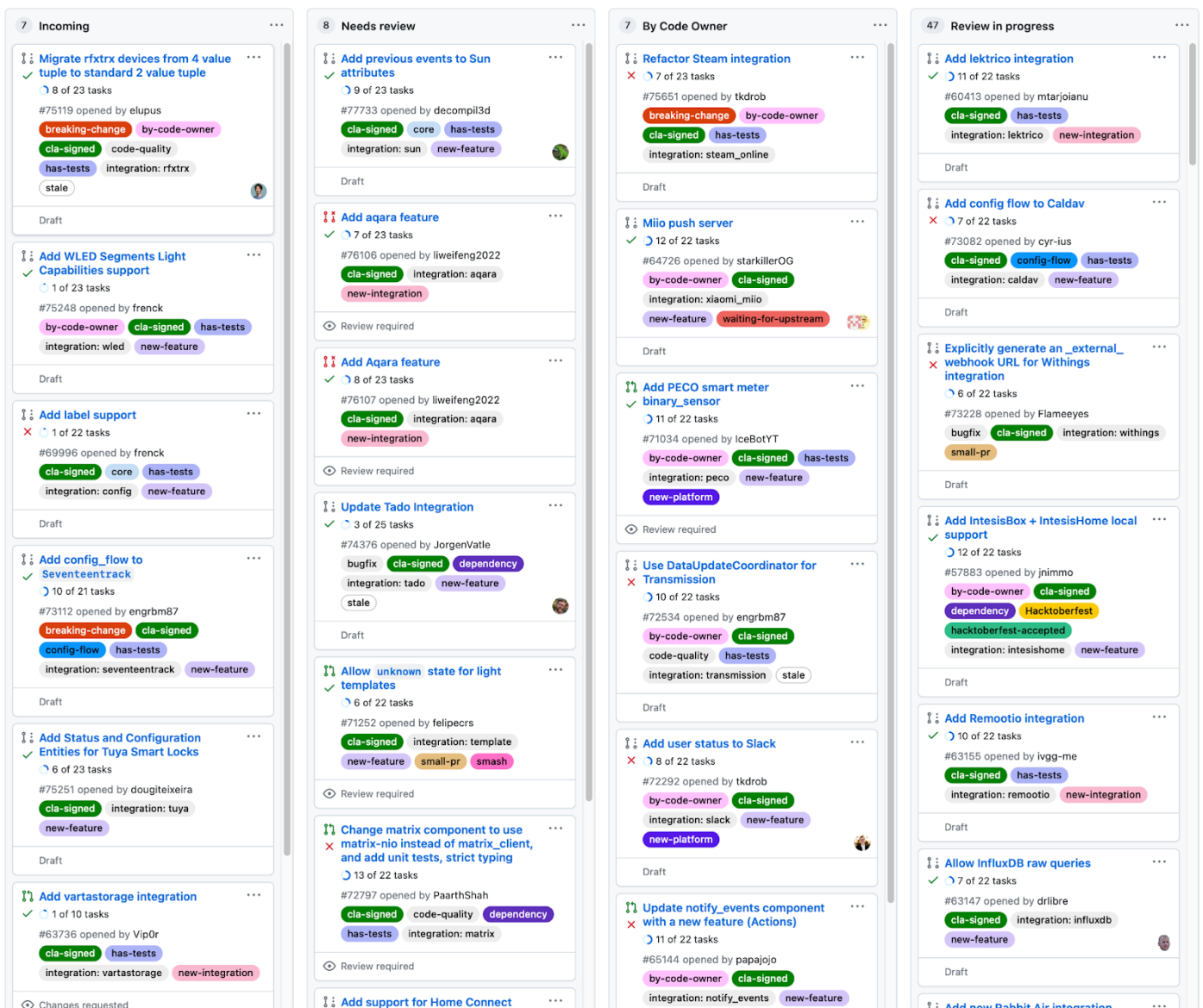
1. Push your commit to get it back up to your fork:

```
git push origin HEAD
```

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 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

Set up shopping list during onboarding
 cla-signed
core
has-tests
integration: onboarding
integration: shopping\_list
new-feature
Quality Scale: internal
small-pr

#97974 opened 14 minutes ago by frenck · Review required
 9 of 20 tasks

Modernize aemet weather
 cla-signed
deprecation
has-tests
integration: aemet
Quality Scale: No score

#97969 opened 2 hours ago by emontnemery · Review required
 20 tasks

Use datetime.now and datetime.fromtimestamp
 cla-signed
code-quality
core
has-tests

#97964 opened 4 hours ago by cdce8p · Draft
 1 of 20 tasks

Fix docstrings in mobile app device tracker
 cla-signed
code-quality
core
integration: mobile\_app
Quality Scale: internal
small-pr

#97963 opened 4 hours ago by joostlek · Review required
 7 of 20 tasks

Modbus: set state\_class etc in slaves
 bugfix
by-code-owner
cla-signed
integration: modbus
Quality Scale: gold
small-pr

#97961 opened 4 hours ago by janiversen · Review required
 8 of 20 tasks

modbus: Repair swap for slaves
 bugfix
by-code-owner
cla-signed
has-tests
integration: modbus
Quality Scale: gold
small-pr

#97960 opened 4 hours ago by janiversen · Review required
 8 of 20 tasks

Add unique\_id to media\_player entity of frontier\_silicon
 bugfix
by-code-owner
cla-signed
integration: frontier\_silicon
Quality Scale: No score
small-pr

#97955 opened 7 hours ago by wlcrs · Review required
 7 of 20 tasks

Restore bthome state at start when device is in range or sleepy
 cla-signed
has-tests
integration: bthome
new-feature
Quality Scale: No score
small-pr

#97949 opened 9 hours ago by bdraco · Approved
 3 of 20 tasks

Add initial sensors for Enphase Encharge batteries
 cla-signed
integration: enphase\_envoy
new-feature
Quality Scale: No score

#97946 opened 13 hours ago by cgarwood · Draft
 6 of 20 tasks

Experiment to add support for Yale Doorman to august
 by-code-owner
cla-signed
integration: august
Quality Scale: No score

#97940 opened 18 hours ago by bdraco · Draft
 20 tasks

Tip: `git commit -m "Fix this bug #156"`

## 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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