The Social Aspect of GitHub

Gill Cleeren
SOFTWARE ARCHITECT

@gillcleeren – www.snowball.be

Overview

- Working with forks
- Pull requests revisited
- Using gists
- Creating GitHub Pages
- Enabling notifications for projects

Working with Forks

Copy of a repo

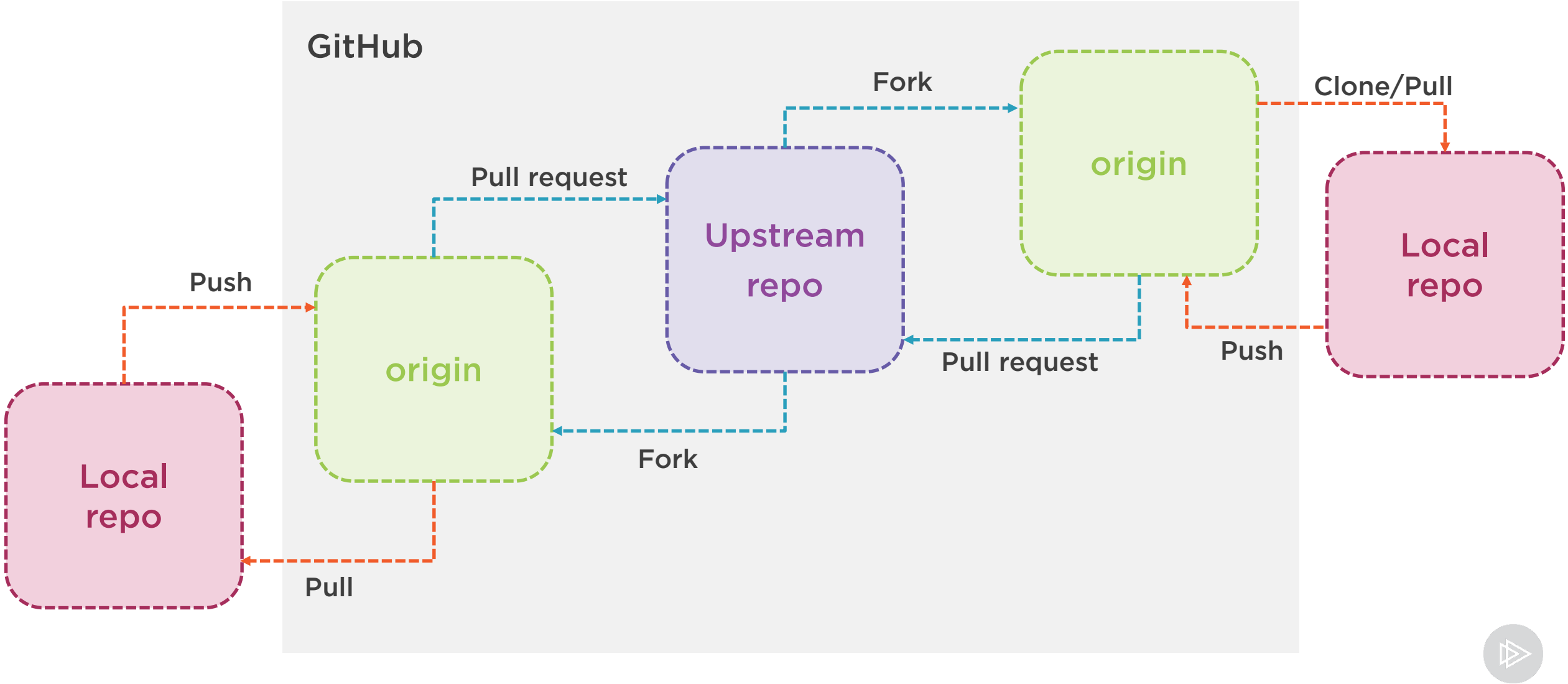
Doesn’t impact the original repo

Changes can be merged again via pull requests

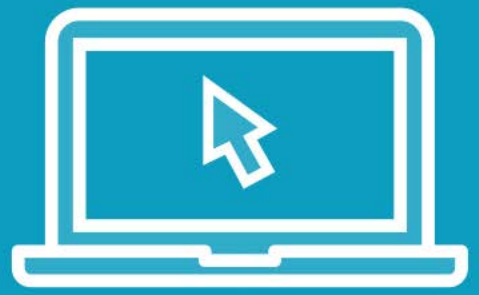
Available to do for anyone

- It’s your repository now

Forking on GitHub



Demo



Forking a repository on GitHub

Making changes in your own branch

Pull Requests Revisited

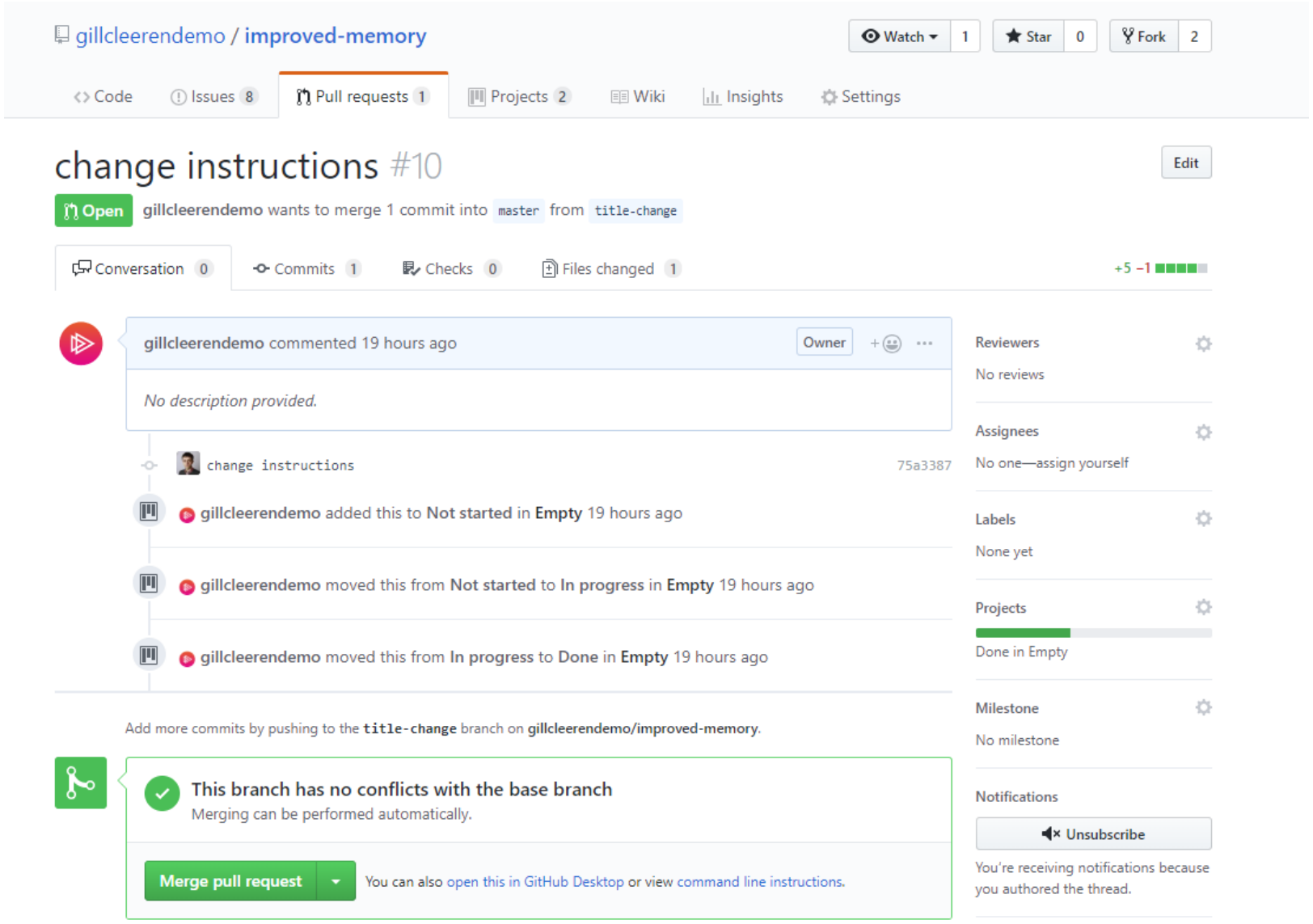
Pull Requests

Update others about changes you have made in a branch or fork

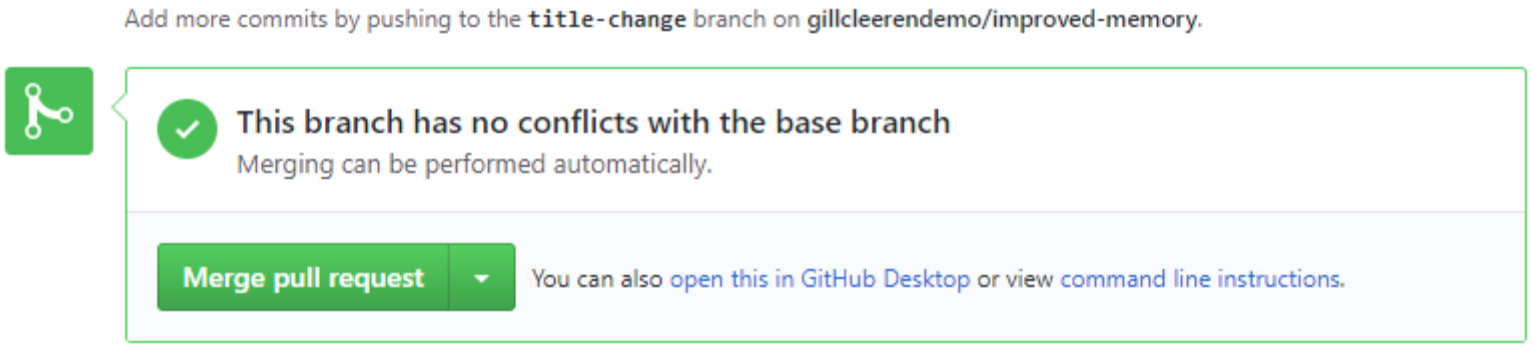
Discuss and review

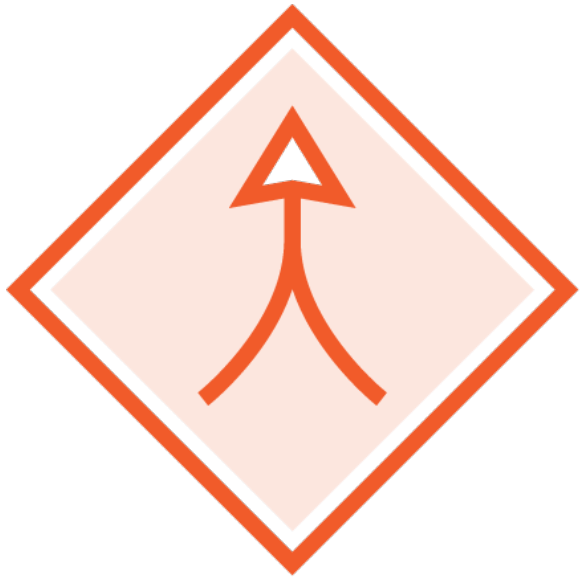
Optionally merged into main branch

GitHub's Pull Request Interface



Automatically Merging



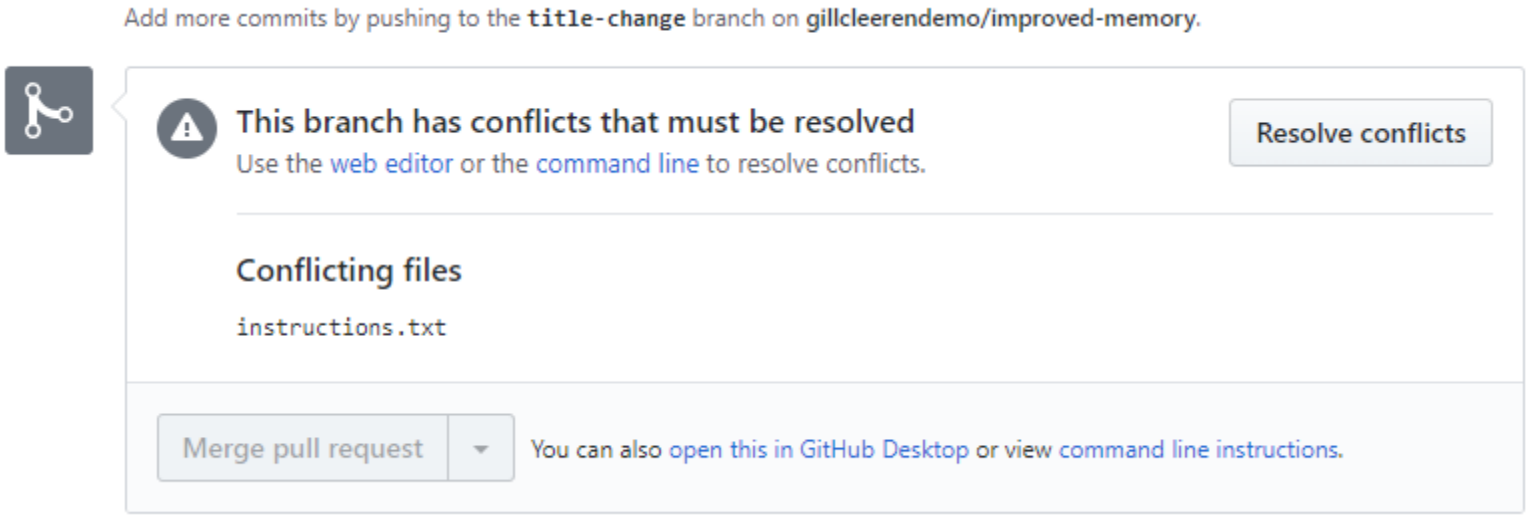


Typical conflicts

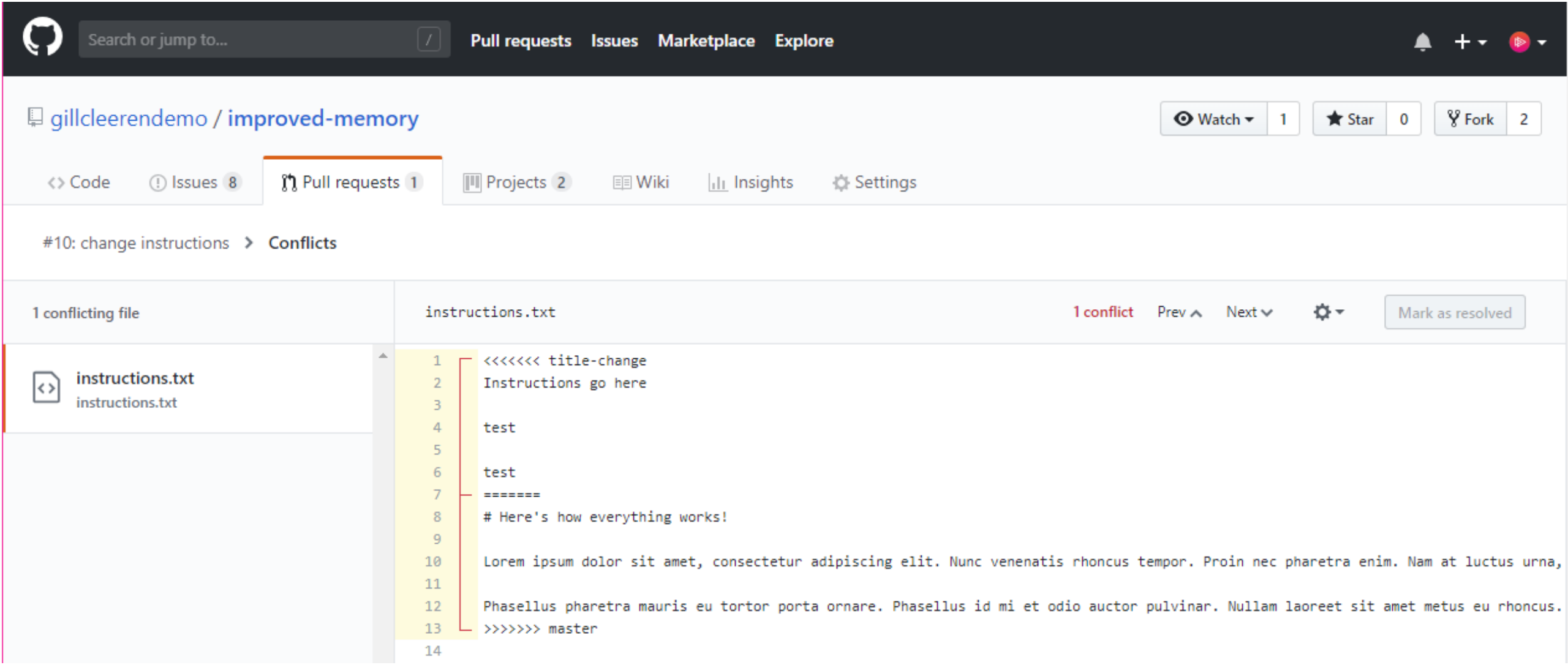
- Editing on the same line
- Editing an already deleted file

Merge conflicts needs to be solved before merge will happen

But Sometimes, You'll Have a Merge Conflict



Merging Inside GitHub



Local Diff Tools

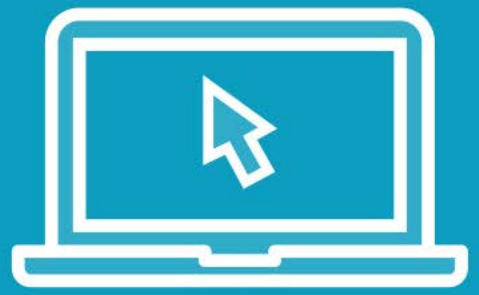
KDiff3

P4Merge

vimdiff3

Beyond Compare

Demo



Creating a pull request

Requesting a review

Merging the pull request

Using Gists

Gist is a simple way to share
snippets and notes
with others.

GitHubGist Search... All gists GitHub New gist

Instantly share code, notes, and snippets.

Gist description...

Filename including extension... Spaces 2 No wrap

```
1  You can reach this site via https://gist.github.com/
```

Gists on GitHub

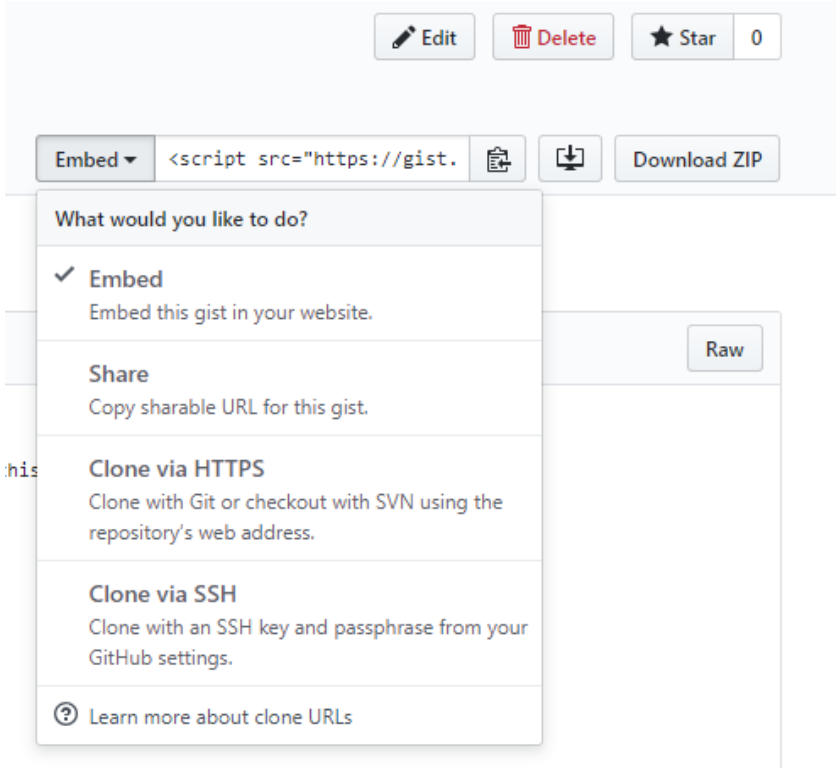
Allow sharing single file, snippet or even a full project

Repository-based

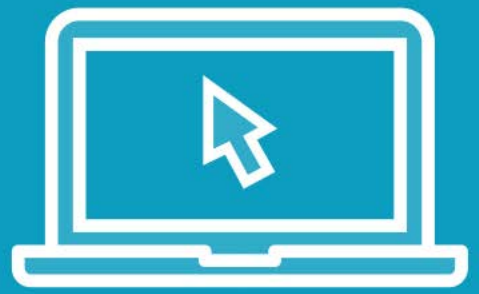
Public or secret

Downloadable

Embedding a Gist



Demo



Working with gists

Creating GitHub Pages

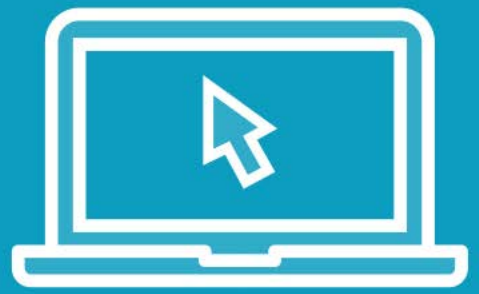
GitHub Pages

Static site hosting from without server-side code

Site is effectively a repo

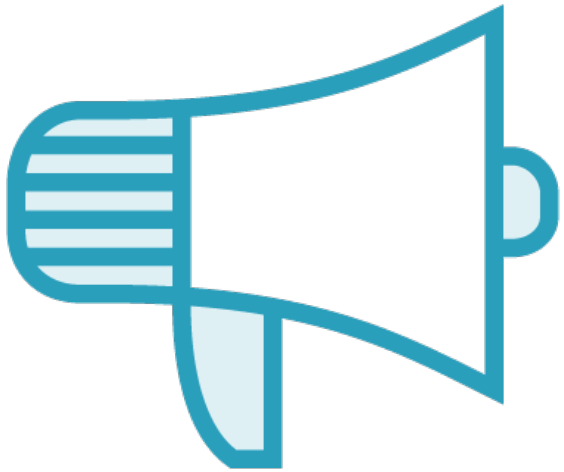
Can be created online or offline

Demo



Creating a simple GitHub Pages site

Enabling Notifications for Projects



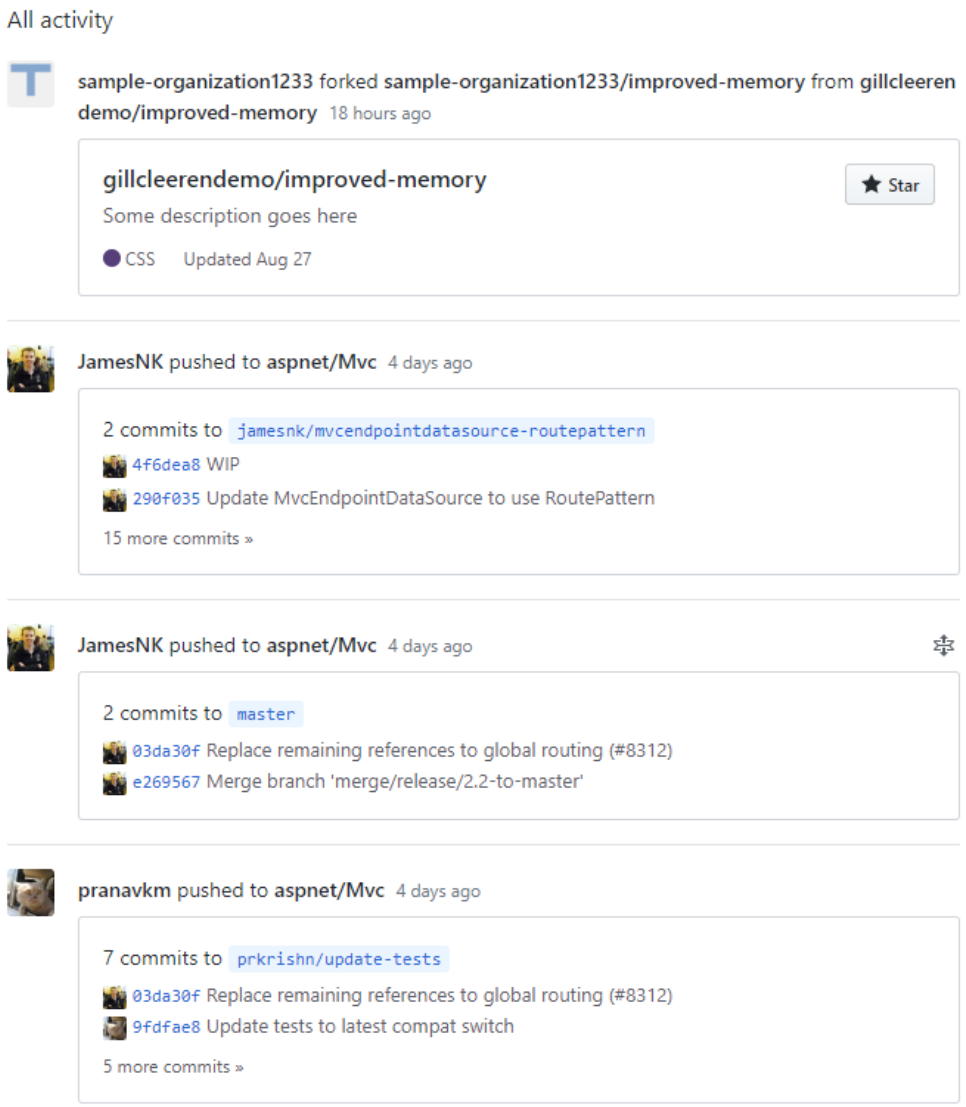
Types of notifications

- Participating notifications
- Watching notifications

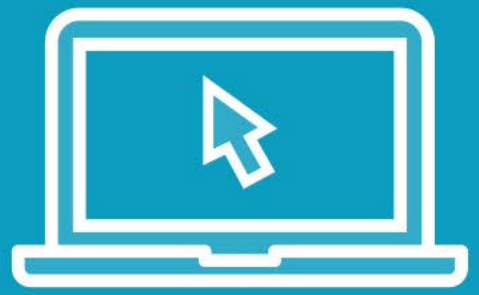
Updates about activities or conversations

- On GitHub
- Via email

Viewing Notifications Within GitHub



Demo



Registering for notifications

Changing your notification preferences

Summary

GitHub is a social coding platform

- Social coding through forks and PRs
  - Reviews
- Pages and Gists
- Notifications

Up next:
Managing Your Project Through GitHub