

Intro to GitHub

What is git?

- A version control system popular amongst commercial and open source developers around the world
- A system that takes snapshots of your project as you work on it
- Allows developers to work collaboratively without having to sit next to each other the entire time, or email files back and forth

What is GitHub?

The screenshot displays the GitHub web interface. At the top, there's a navigation bar with the GitHub logo, a search bar, and links for 'Pull requests', 'Issues', and 'Gist'. Below this, the main content area shows a feed of activity. On the right, there's a sidebar with two sections: 'Repositories you contribute to' and 'Your repositories'.

Activity Feed:

- 2 hours ago:** **wslack** commented on issue [18F/federalist#668](#)
- 2 hours ago:** **wslack** commented on issue [18F/federalist#720](#)
Eliminated this because we don't want to make Federalist support this: Move 18f-pages functionality out of federalist-redirects and setup a separ...
- 5 hours ago:** **wslack** commented on issue [18F/federalist#785](#)
View the branches from their own menu. Currently can only see these from the settings. Would you care if they were only in their own pages (and n...
- 7 hours ago:** **saracope** opened issue [18F/federalist#785](#)
Change branch views
- 7 hours ago:** **saracope** opened issue [18F/federalist#784](#)
Update build message to failing if publish doesn't complete
- 8 hours ago:** **ileger** starred [acutario/decoratex](#)
- 8 hours ago:** **ileger** starred [Zensavona/domainatrex](#)
- 8 hours ago:** **ileger** starred [shinyscorpion/webserver](#)

Repositories you contribute to (30):

Repository	Stars
18F/federalist	38
18F/analytics-reporter	395
18F/federalist-builder	2
18F/dolores-landingham-slack...	163
18F/federalist-docs	3

[Show 25 more repositories...](#)

Your repositories (36): [New repository](#)

Find a repository...

[All](#) [Public](#) [Private](#) [Sources](#) [Forks](#)

wslack/wslack-demo8
fed-team-test
team-site-test
methods
18F/dolores-landingham-slack-bot

What is GitHub?

- A host for git repositories
- Provides a workflow around git that enables project management
 - Bug tracking
 - Code review
 - Integrations with 3rd party services
- A way for developers to showcase their work / portfolios

How to use git

- Git keeps your project in a repository
 - Keeps track of your project's files and their histories
- A file in a Git repository can be in 3 different states:
 - Committed: The file's current state and history is saved
 - Staged: The changes to the file since it was last committed are ready to be written to the history
 - Modified: The file has been changes since the last commit and has not been staged

Push and pull

- Pushing: Pushing applies your changes to a remote git repository (i.e. the repo on GitHub)
- Pulling: Pulling fetches changes from a remote git repository and applies them to the files on your machine
- Cloning: The initial pull. Gets the files from the remote git repository and saves them to your machine