


Github: Innovation through Collaboration

By Ronak Shah



A laptop screen is shown in the background, displaying a line graph with a blue line and a pie chart with green and blue segments. The text is overlaid on the screen.

Github is a platform for contributors to collaborate on *repositories* to enact change

The problem

- Documents and Code are always in need of review and are constantly changing
- With so many people involved in any one document, it's extremely hard to keep track of who did what



A close-up photograph of a person's hands using a purple marker to draw on a whiteboard. The background is blurred, showing some bokeh lights. The text 'The solution' is overlaid in white on the left side of the image.

The solution

Github has a system of Pull Requests, Issues, and Project Boards that allow multiple users to contribute — while keeping track of who made each change

The Flow



Issue Creation

Nancy identifies a new category the proposal could include. She creates an issue using the Project Board on Github



Issue Discussion

Mike and Nancy Discuss what needs to be done regarding the issue, and assign Abby to work on it



Creation

Abby drafts the new category for the proposal, and submits a pull request. There, she continues to make changes as needed



Merging

Barry looks at Abby's Proposal, and is able to loop back with Nancy and Mike to see what works with Abby's draft.



Issue Creation

<> Code ⓘ Issues 1 🔄 Pull requests 0 ▶ Actions 📁 Projects 1 📖 Wiki 🛡 Security 📊 Insights ⚙ Settings

Category Proposals

Updated 7 minutes ago

🔍 Filter cards

1 To do + ...

! Add Category on "Using Github in Government" ...

#1 opened by ronakdev

Automated as To do

Manage

0 In progress + ...

Automated as In progress

Manage

0 Done +

Automated as Done

Mar

! Add Category on "Using Github in Government" #1



Opened in ronakdev/policyProposal



ronakdev

commented 7 minutes ago

Github can be an incredibly useful asset to Government, and we should add this to our policy proposal

0

Assignees



No one—assign yourself

Labels



None yet

[Go to issue for full details](#)

🔒 Close issue

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Issue Discussion

[Code](#)[Issues 1](#)[Pull requests 0](#)[Actions](#)[Projects 1](#)[Wiki](#)[Security](#)[Insights](#)[Settings](#)

Add Category on "Using Github in Government" #1

[Edit](#)[New issue](#)[Open](#)

ronakdev opened this issue 13 minutes ago · 3 comments



ronakdev commented 13 minutes ago

[+ 🗨️ ...](#)

Github can be an incredibly useful asset to Government, and we should add this to our policy proposal



ronakdev created this issue from a note in **Category Proposals** (To do) 13 minutes ago



jaysheth1998 commented 4 minutes ago

[+ 🗨️ ...](#)

This seems like an excellent idea! I think it is important that we touch on the power of pull requests in our proposal.



ronakdev commented 4 minutes ago

[Author](#)[+ 🗨️ ...](#)

Definitely Agree!

@jaysheth1998 , what do you think about Github from a security standpoint?

Assignees



ronakdev

Labels



enhancement

Projects



To do in Category Proposals

Milestone



No milestone

Notifications

Customize

🔊 Unsubscribe

You're receiving notifications because you were assigned.

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Creation

[Code](#)[Issues 1](#)[Pull requests 0](#)[Actions](#)[Projects 1](#)[Wiki](#)[Security](#)[Insights](#)[Settings](#)

Added Draft of Policy Proposal #1

[Browse files](#)[master](#) (#2) **ronakdev** committed 30 minutes ago

1 parent 81293b4 commit adf75710113ec5dcdee923214cb712e16e0675c7

 Showing 1 changed file with 4 additions and 1 deletion.

Unified

Split

5  README.md   ...

@@ -5,7 +5,7 @@ A Demonstration of Github for Policy Proposal

5 5

6 6 1. [Issue #1](#issue-1)

7 7 2. [Issue #2](#issue-2)

8 -

8 + 3. [Github](#github)

9 9

10 10

11 11 Issue #1

@@

@@ -22,3 +22,6 @@ Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor i

22 22

23 23 Ultrices gravida dictum fusce ut placerat orci nulla pellentesque dignissim. Enim nunc faucibus a pellentesque. Ac

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Merging

GitHub Proposal #1 #2

[Edit](#)

Merged jaysheth1998 merged 2 commits into `master` from `github-proposal` 12 seconds ago

Conversation 0

Commits 2

Checks 0

Files changed 1

+6 -1



ronakdev commented 1 minute ago

Addressed all changes and proposals from @jaysheth1998



ronakdev added some commits 5 minutes ago



Added Draft of Policy Proposal #1

adf7571



Addressed Security Issues #1

Verified

3729dd3



ronakdev requested a review from jaysheth1998 1 minute ago



ronakdev added the **enhancement** label 1 minute ago



ronakdev changed the title ~~GitHub Proposal~~ GitHub Proposal #1 38 seconds ago



jaysheth1998 merged commit **3161f08** into `master` now

[Revert](#)



ronakdev deleted the `github-proposal` branch now

[Restore branch](#)

Reviewers



jaysheth1998



Assignees



No one—assign yourself

Labels



enhancement

Projects



None yet

Milestone



No milestone

Notifications

[Customize](#)

Unsubscribe

You're receiving notifications

Live @
github.com/ronakdev/policy
Proposal

Examples

MongoDB

A cross-platform document-oriented database program. All code is public.

<https://github.com/mongodb>

Linux

An operating system that is used in everything from servers to toasters. It has over 15,000 contributors from across the world.

My own Experience with Github

- [Zesty.io](#)
 - Startup run entirely through Github
 - Customers report issues on their Issues repo -- employees can handle each issue
- [Westview Robotics](#)
 - 80+ Robotics Team
 - 26 repositories
- [Listening to Waves](#)
 - Research Group at UC San Diego
 - All code is managed through Github

Questions

An aerial photograph of the New York City skyline at dusk. The sky is a mix of dark purple, blue, and orange. The city is densely packed with skyscrapers, many of which are illuminated with their interior lights. The Empire State Building is prominent in the center, with its top lit in red and green. The Hudson River is visible on the right side of the image.