

Using Pull Requests for Great Good



Paul Heasley | Engineering Guild - 2 March 2021

Quality gate



or

Feedback tool



Writing a great PR

A PR is made to be read.

Break big changes apart

Separate

- Feature changes
- Auto-formatting / linting cleanup
- Refactoring



Be descriptive

Create a [GitHub PR template](#)

Addresses #<Jira ticket>

What change does this PR introduce?

What is the current behavior?

What is the new behavior?

What is the test plan for these changes?

Include screenshots / recordings

What

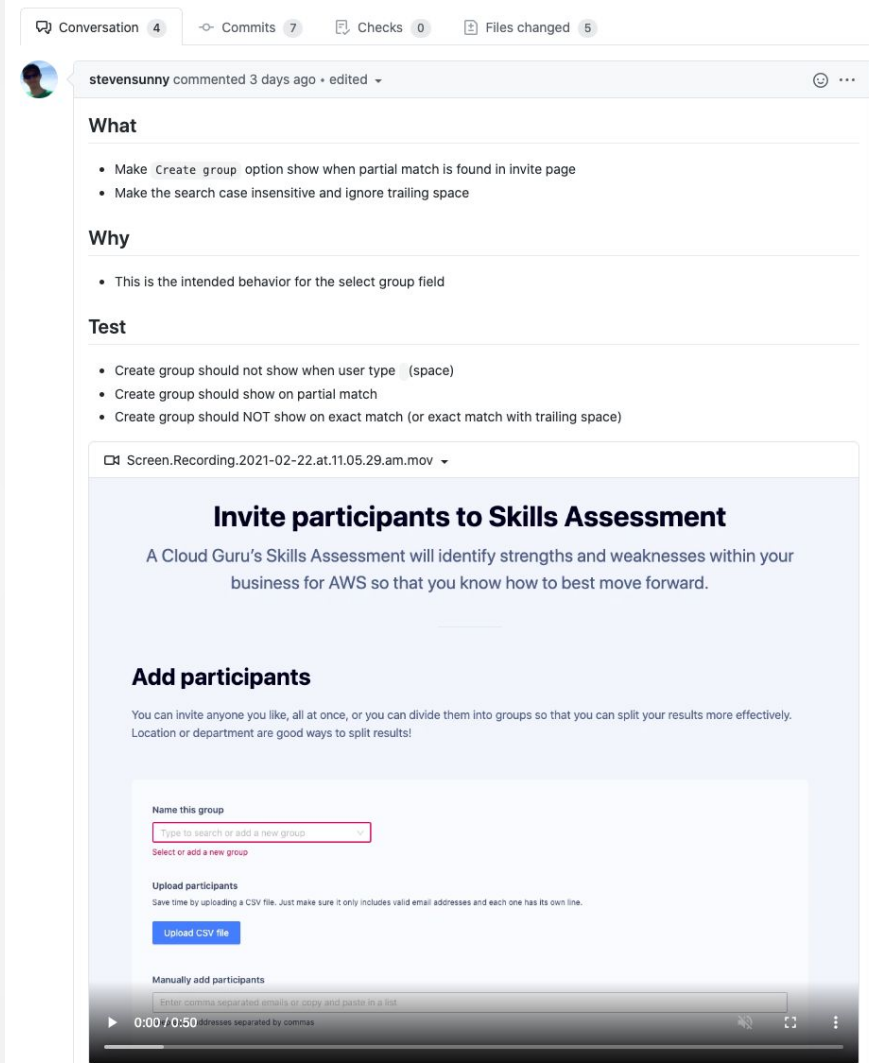
Why

Test

Include screenshots / recordings

GitHub now supports uploading videos to PRs

Use the [Loom Chrome Extension](#) to record directly to PRs



The screenshot shows a GitHub interface with a Pull Request comment. At the top, there are tabs for Conversation (4), Commits (7), Checks (0), and Files changed (5). The comment is by user 'stevensunny', posted 3 days ago, and has been edited. The comment content is structured as follows:

- What**
 - Make Create group option show when partial match is found in invite page
 - Make the search case insensitive and ignore trailing space
- Why**
 - This is the intended behavior for the select group field
- Test**
 - Create group should not show when user type (space)
 - Create group should show on partial match
 - Create group should NOT show on exact match (or exact match with trailing space)

Below the text, there is a video player titled 'Screen.Recording.2021-02-22.at.11.05.29.am.mov'. The video content shows a web application for 'Invite participants to Skills Assessment'. The page has a light blue header with the title and a subtitle: 'A Cloud Guru's Skills Assessment will identify strengths and weaknesses within your business for AWS so that you know how to best move forward.' Below this is a section titled 'Add participants' with the text: 'You can invite anyone you like, all at once, or you can divide them into groups so that you can split your results more effectively. Location or department are good ways to split results!'. The main content area has a white background and contains three sections: 1. 'Name this group' with a search input field and a 'Select or add a new group' link. 2. 'Upload participants' with a description 'Save time by uploading a CSV file. Just make sure it only includes valid email addresses and each one has its own line.' and a blue 'Upload CSV file' button. 3. 'Manually add participants' with a text input field and a placeholder 'Enter comma separated emails or copy and paste in a list'. The video player controls at the bottom show a progress bar at 0:00 / 0:50 and a play button.

Perform a self
review



Self Discovery Media

Conventional commits?

v2.6.0-beta.2 build: release 2.6.0-beta.2

build: build 2.6.0-beta.2

feat: dynamic directive arguments for v-on, v-bind and custom directives (#9372)

origin/dynamic-directive-arguments feat: dynamic args for custom directives

perf: improve scoped slots change detection accuracy (#9371)

test: test cases for v-on/v-bind dynamic arguments

refactor: v-bind dynamic arguments use bind helper

test: fix tests, resolve helper conflict

fix: fix middle modifier

feat: handle dynamic argument for v-bind.sync

origin/slot-optimization perf: improve scoped slots change detection

feat: dynamic directive arguments for v-bind and v-on

refactor: extend dom-props update skip to more all keys except value

fix: fix checkbox event edge case in Firefox

test: fix tests in IE/Edge

refactor: simplify timestamp check

chore: update comment

fix: apply edge case fix to all event listeners

Don't wait for the code review



Discuss the technical solution early, ask for feedback often.

Reviewing a PR thoughtfully

PR's are a great place to practice empathy.

Code reviews provide a mentoring opportunity



Weigh your words

What is really a blocker?

“I’m concerned this will introduce a bug / security flaw.”

What is an opinion?

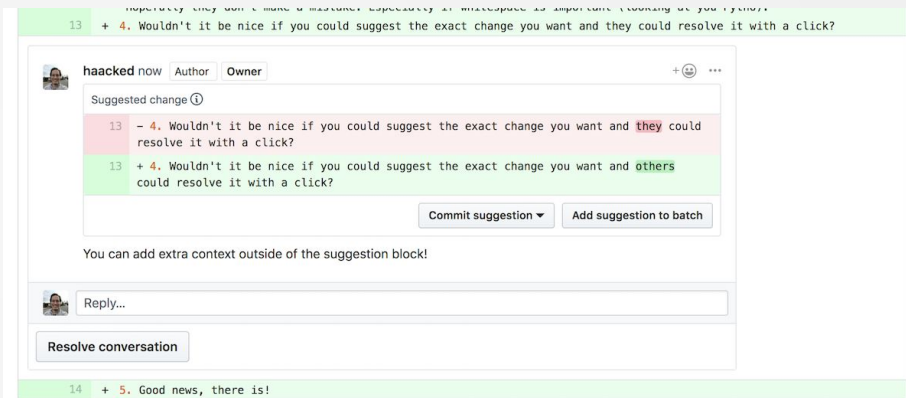
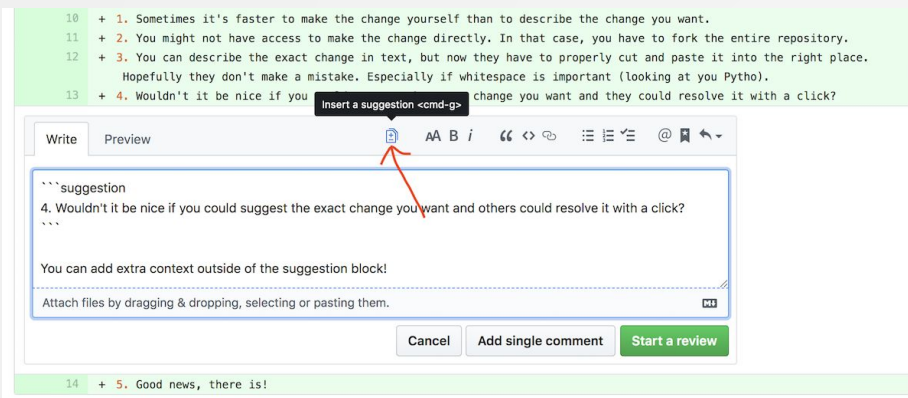
“Could we use a nullish coalescing operator here?”

Refer to documentation / use evidence

“Wrapping hooks in conditionals can create hard to diagnose bugs which has caught us out in the past, please checkout the documentation for [Rules of Hooks here](#)”

“Perhaps we should use `componentDidUpdate` here instead of `componentWillReceiveProps` as [the React documentation](#) says it's now deprecated”

Use GitHub suggested changes feature



<https://haacked.com/archive/2019/06/03/suggested-changes/>

Code review checklist

- ☐ Readability
- ☐ Maintainability
- ☐ Reusability
- ☐ Reliability
- ☐ Scalability
- ☐ Usability & accessibility
- ☐ Performance
- ☐ Architecture & patterns

- ☐ Security
- ☐ Observability
- ☐ Test coverage
- ☐ Documentation



Use auto-formatters and linters

So we don't have to debate style every time

Are code reviews always necessary?

E.g. if you've been pairing or mobbing

