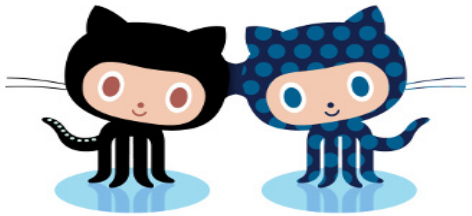
A Meritocracy of Pull Requests

Lorna Mitchell, Nexmo



meritocracy

noun plural -cies

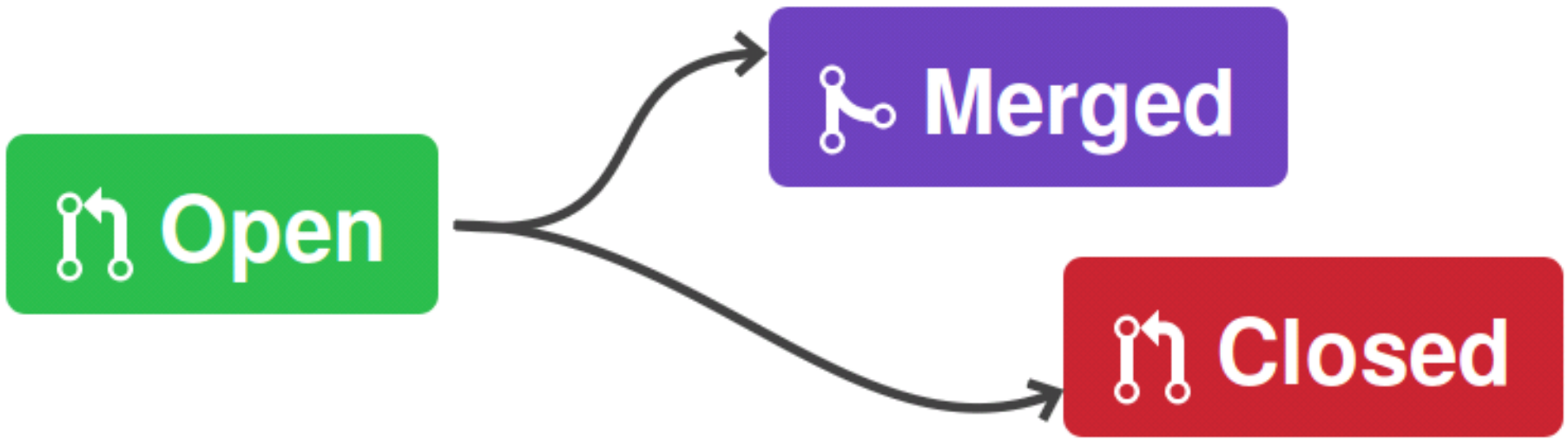
- rule by persons chosen not because of birth or wealth, but for their superior talents or intellect
- the persons constituting such a group
- a social system formed on such a basis

https://www.dictionary.com/browse/meritocracy

Who Opens a Pull Request?

Who Reviews a Pull Request?

Pull Request Outcomes



CLOSE

Small
(pull request)
Is Beautiful

CLOSE

MERGE

@lornajane

Beware Merge Conflicts

Option 1 : `git merge --abort`

Option 2 : edit and add each file, then commit.

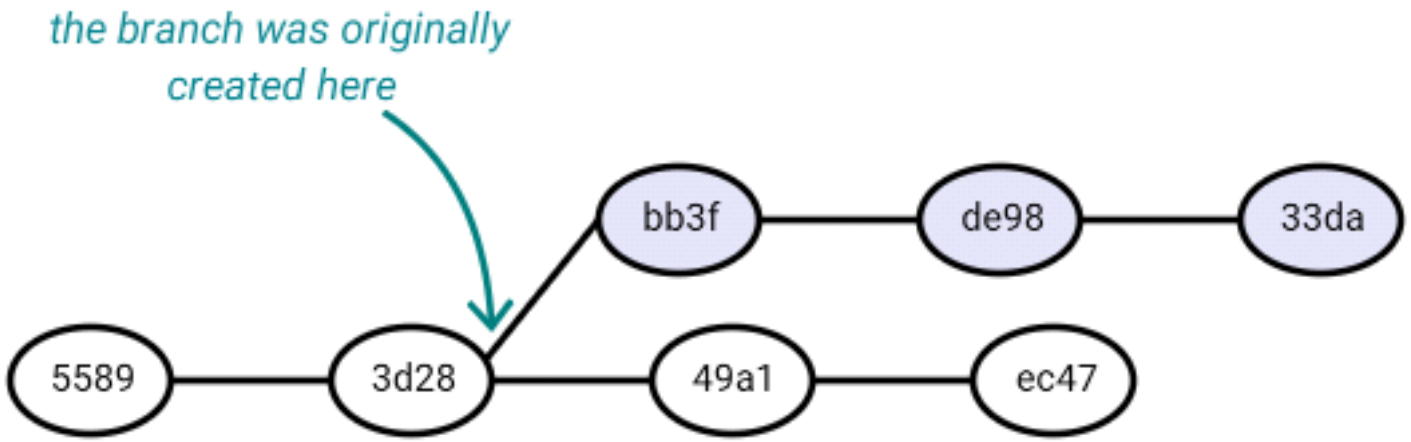
Special Project Requirements

You may be asked to:

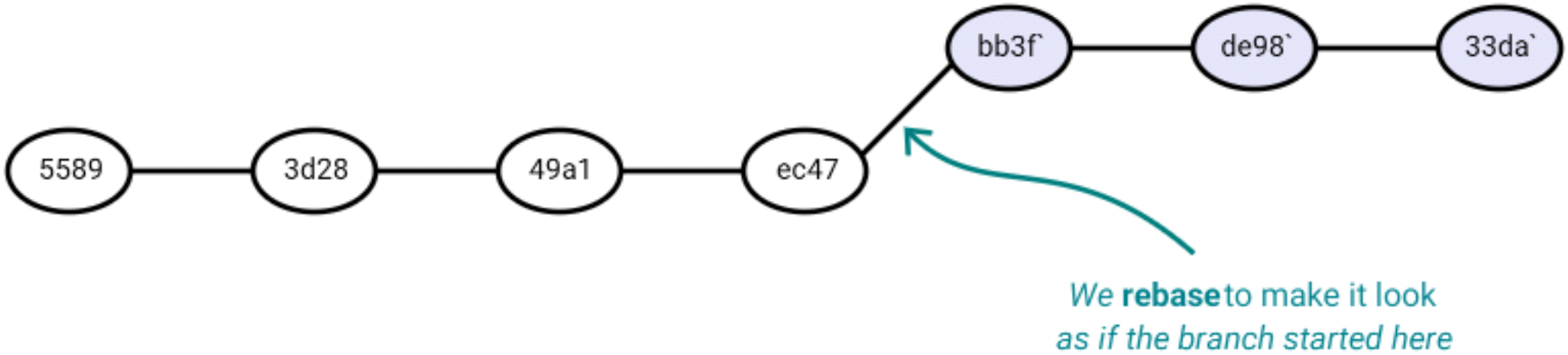
- Rebase your branch
- Squash your branch into a single commit

Both of these use `git rebase` but in really different ways!

Rebasing


the branch was originally
created here
bb3f
de98
33da
5589
3d28
49a1
ec47

Rebasing


bb3f`
de98`
33da`
5589
3d28
49a1
ec47
We **rebase** to make it look
as if the branch started here

Rebasing

1. `git checkout master`
2. `git pull`
3. `git checkout feature`
4. `git rebase master`
5. `git push -f` <-- use with **extreme caution**

Squashing

Uses "interactive rebase" - rewriting branch history.

1. `git rebase -i [base commit]`
2. Text file is ordered oldest to newest!
3. Edit, re-order or remove lines as desired
4. Instructions are in the file: `f` for fixup just adds this commit into the one before

Commit Messages

https://chris.beams.io/posts/git-commit/

REVIEW

Do not view the diff

REVIEW

ϟ Do not view the diff ϟ

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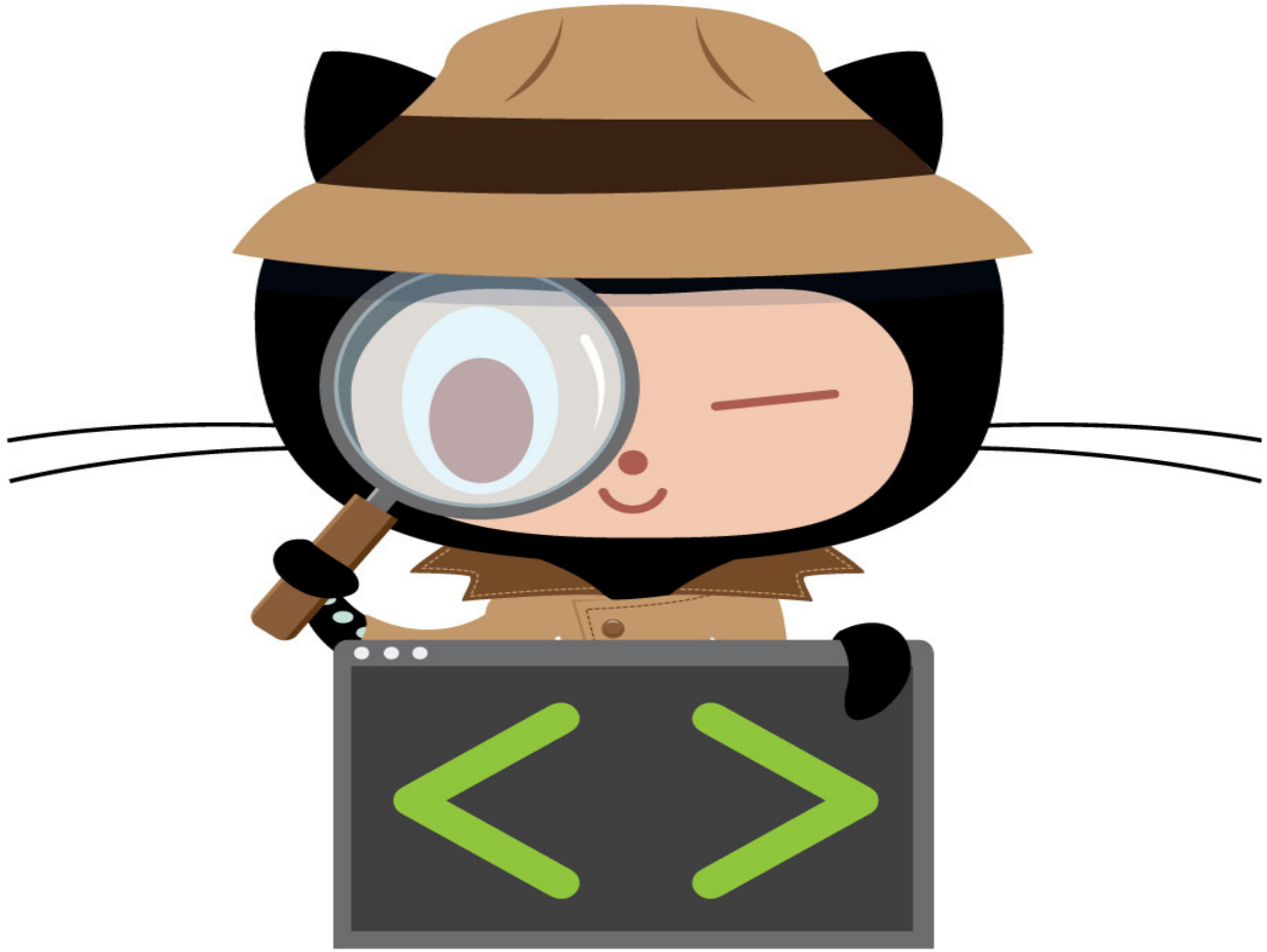
REVIEW

Language Matters

You "review" a pull request. You don't "merge" one.

REVIEW

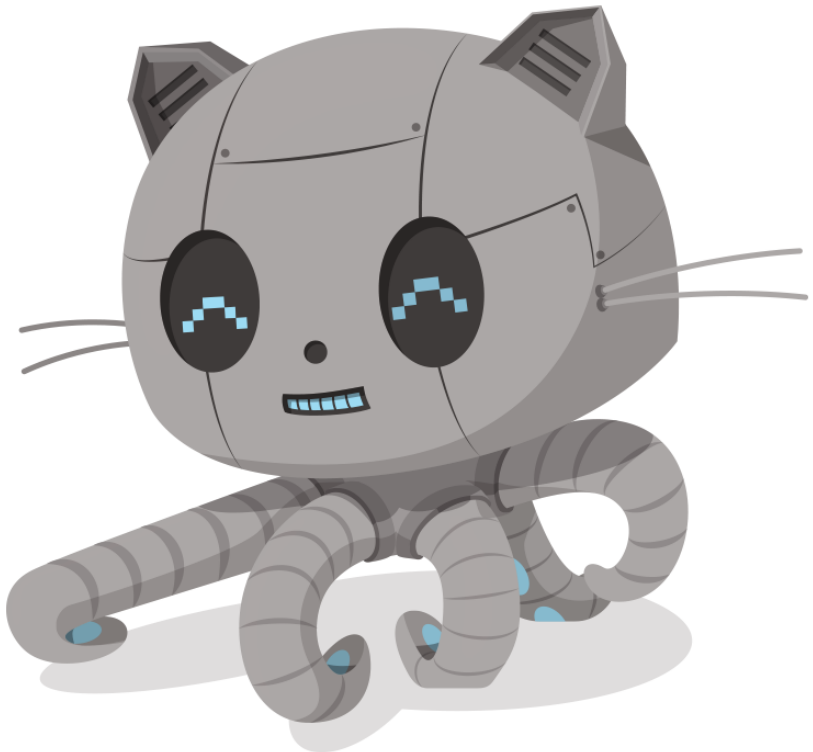


Diff and DiffTool Tricks

`git diff master...HEAD` <-- everything on this branch, regardless what has happened on master since

Configure your `difftool` and then replace `diff` with `difftool` in any command to get a graphical interface

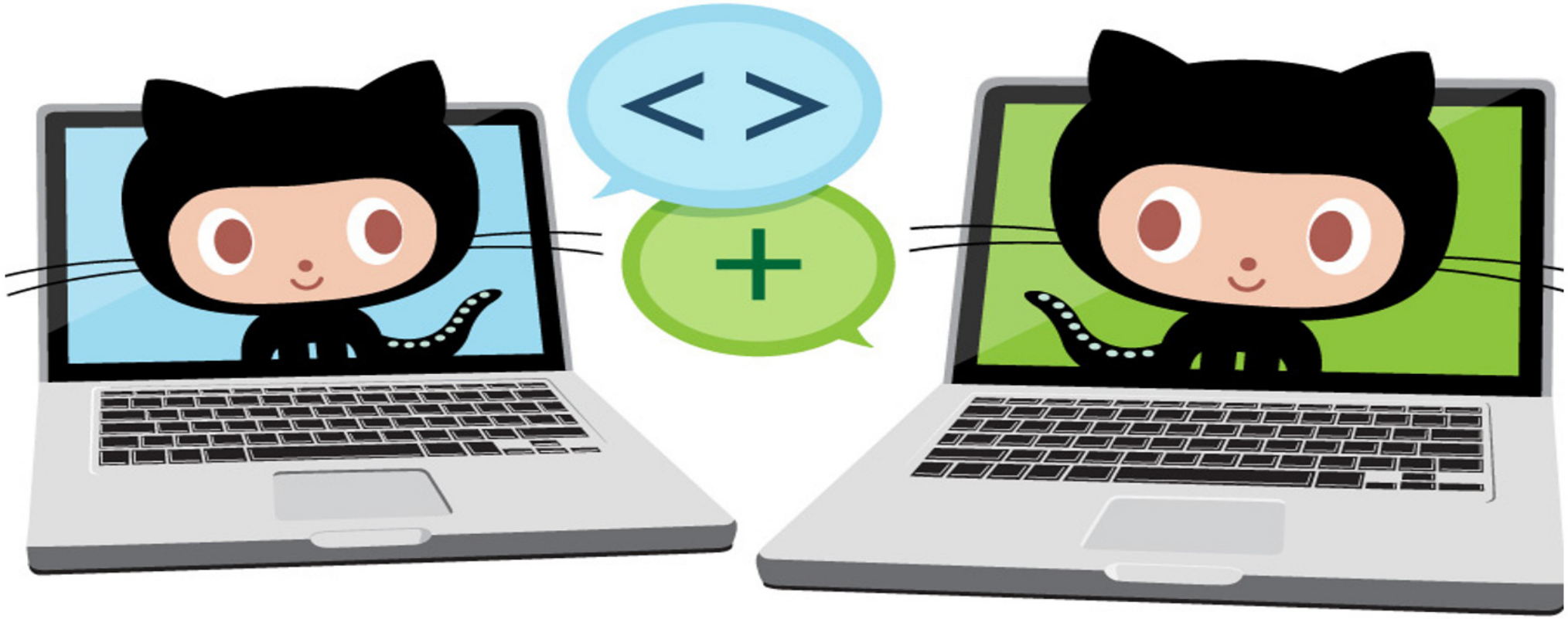
Automate All The Things



The Art of Feedback

If you didn't run the code, you didn't review the PR.

OPEN



Pull-Request Ready?

Your project is pull-request ready if:

- It has a **`README`**
- There is a **`CONTRIBUTING.md`** file with expectations in
- Build/tests run when a PR is opened
- *(optional)* A pull request template outlines dependencies

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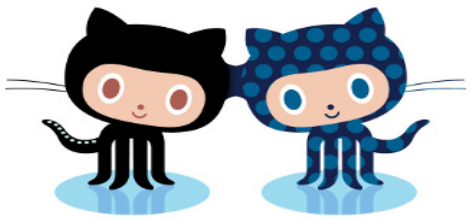

Resources

- https://joind.in/talk/b45a3
- https://gitworkbook.com
- https://lornajane.net
- https://github.com/matthewmccullough/scripts

And, of course: http://octodex.github.com