

# How to Contribute

to Pharo

What?

# Bug Reports

Cleanups

Features

# Issue Tracker

- <https://pharo.fogbugz.com>
- Need an account (not perfect, we know)

# Life of an Issue

- Open a new one
- “Work needed”
- Fixed (review needed)
- Fixed (checked by the monkey)
- Fixed (to be integrated)
- Fixed (integrated) ==> CLOSE

# You can Help!

- report problems
- add “how to reproduce” to existing
- read and summarize discussions
- Find duplicates
- ask others to take action



# You can Help 2

- Test fixes: Does it fix the bug?
- Review fixes: Does the code look ok?
- Fix issues yourself.
  - You can even team up with someone!

# A lot of work...

- The issue tracker needs eyeballs every day
- We have 675 open issue
- But we CLOSED 11878
- 1983 in 1 year >5 PER DAY!

# But it pays off..

- Pharo got much more stable over the years
- People are more productive
- Feedback loop: acceleration of improvement

DEMO: Issue report

DEMO: Fixing an Issue

# DEMO: CodeCritics