

# Sustainable Releases

A tale of teams and automation

@dantoml

**\$ whoami**

# CocoaPods

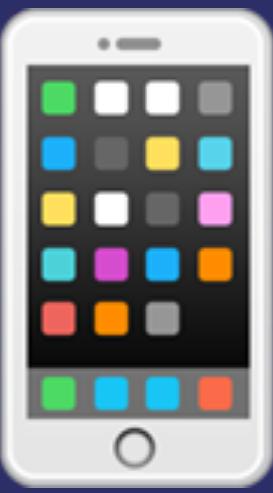
@dantoml [she/they] - iOSCon 2018



@dantoml [she/they] - iOSCon 2018

# CircleCI

@dantoml [she/they] - iOSCon 2018



@dantoml [she/they] - iOSCon 2018

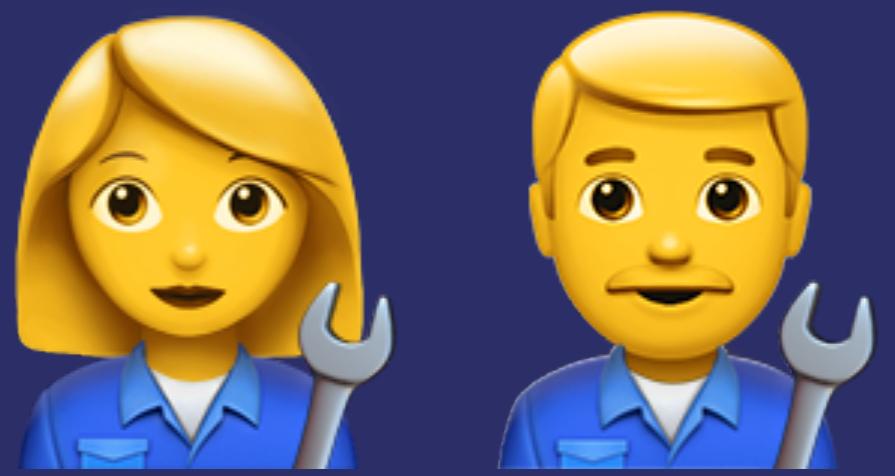


@dantoml [she/they] - iOSCon 2018

This is not a talk about  
how CD will solve all of  
your problems



@dantoml [she/they] - iOSCon 2018



@dantoml [she/they] - iOSCon 2018

# Backstory

@dantoml [she/they] - iOSCon 2018

# It didn't build.



@dantoml [she/they] - iOSCon 2018



@dantoml [she/they] - iOSCon 2018



@dantoml [she/they] - iOSCon 2018

# Sound Familiar?

@dantoml [she/they] - iOSCon 2018



@dantoml [she/they] - iOSCon 2018



all the things?

No amount of  will save  
you from a dysfunctional  
environment.

It's about  
delivering value



@dantoml [she/they] - iOSCon 2018

# How often do you ship?

# Release more often

**Every release is an  
opportunity to make  
users happy.**

# TypicalCorp: Milestone based releases

# TypicalCorp: Milestone based releases

→ Y Features need to be in by X date

# **TypicalCorp: Milestone based releases**

- Y Features need to be in by X date
- On X date we send to QA

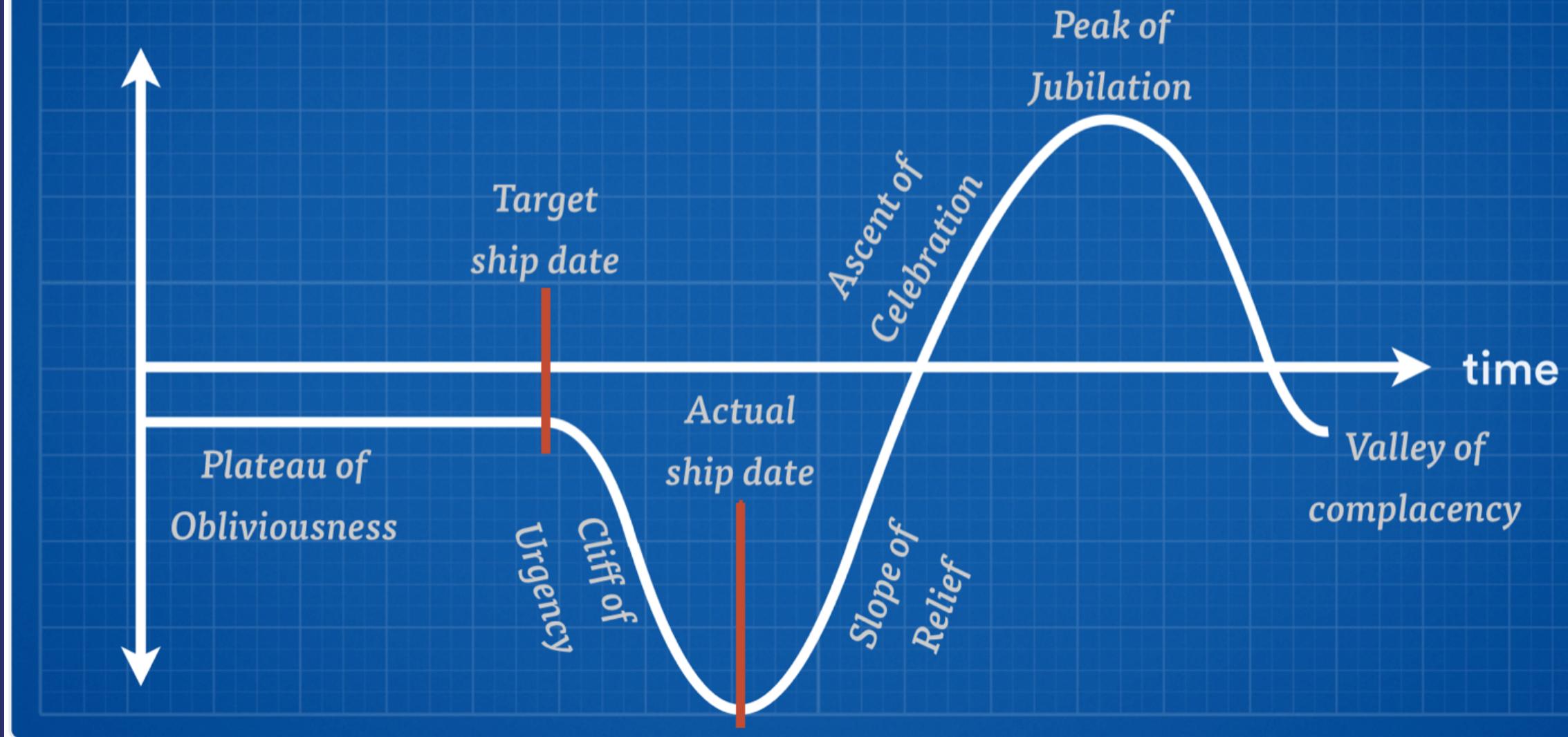
# **TypicalCorp: Milestone based releases**

- Y Features need to be in by X date
- On X date we send to QA
- After QA we fix bugs

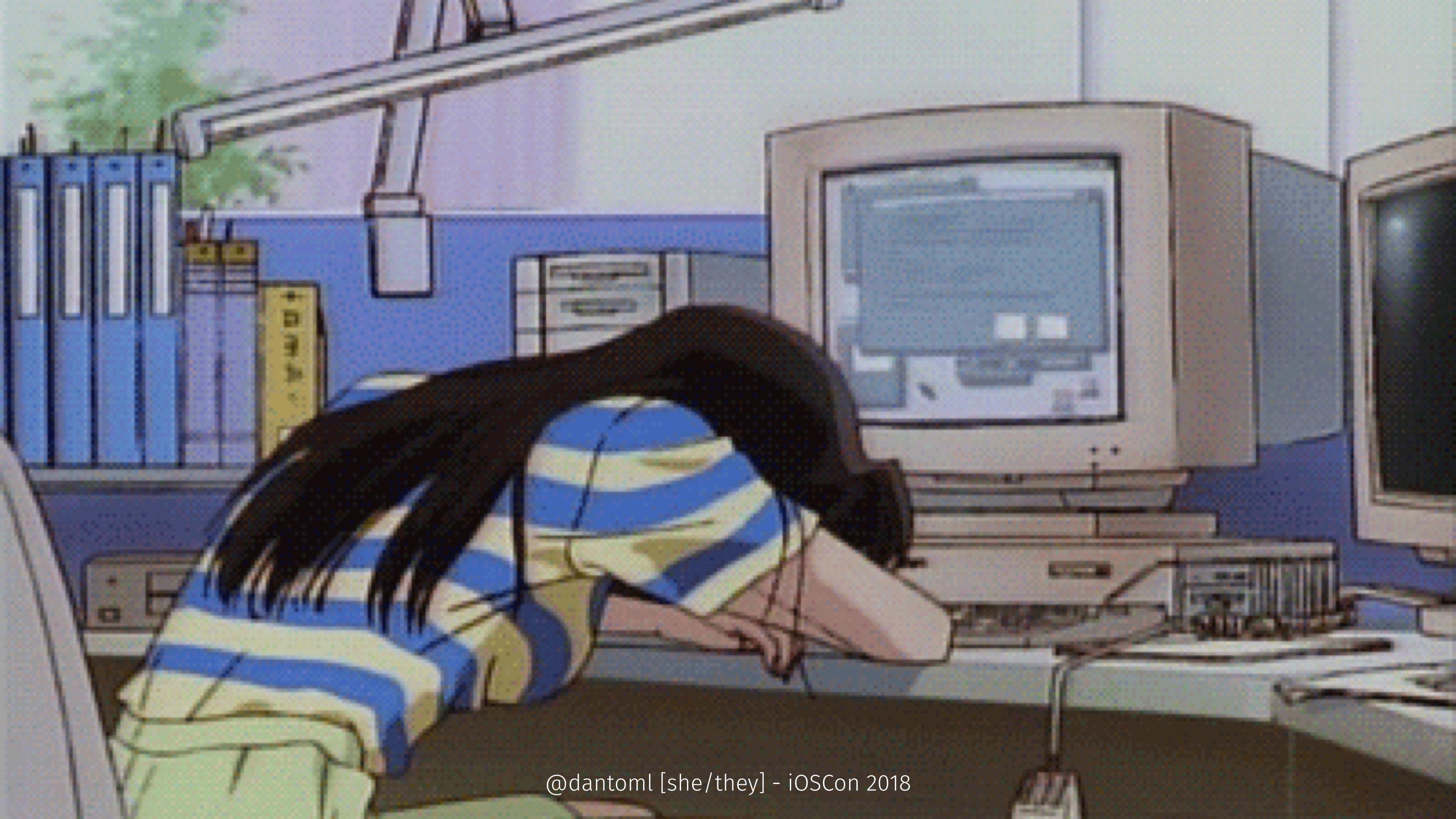
# TypicalCorp: Milestone based releases

- Y Features need to be in by X date
  - On X date we send to QA
    - After QA we fix bugs
      - Then we ship

# Emotional cycle of manual delivery



**Atlassian, the business case for continuous delivery blog**



@dantoml [she/they] - iOSCon 2018

# So what can we improve?

# You can ship smaller changes

# Manage Expectations



fastlane-bot commented 10 days ago

Member

+ 😊 ...

Hey @DanTomI 🙌

Thank you for your contribution to *fastlane* and congrats on getting this pull request merged 🎉  
The code change now lives in the `master` branch, however it wasn't released to [RubyGems](#) yet.  
We usually ship about once a week, and your PR will be included in the next one.

Please let us know if this change requires an immediate release by adding a comment here 👍  
We'll notify you once we shipped a new release with your changes 🚀



fastlane-bot added the `status: included-in-next-release` label 10 days ago



This was referenced 2 days ago

**Version bump to 2.86.0 #12087**

\_merged

**Not working anymore with Fastlane 2.86.0 nakiostudio/danger-xcov#24**

Open



fastlane-bot commented 22 hours ago

Member

+ 😊 ...

Congratulations! 🎉 This was released as part of [fastlane 2.86.0](#) 🚀



fastlane-bot added `status: released` and removed `status: included-in-next-release` labels

22 hours ago

# You don't need deadlines.



# Experiment!



@dantoml [she/they] - iOSCon 2018



# Metrics

@dantoml [she/they] - iOSCon 2018

# So what now?

# Release



# Some Requirements

# Some Requirements

- Automated build + test for branches/prs

# Some Requirements

- Automated build + test for branches/prs
- Automated internal builds

# Some Requirements

- Automated build + test for branches/prs
  - Automated internal builds
  - Automated App Store builds

# But it's not just automation

# But it's not just automation

- Policy for escalating hot fix builds

# But it's not just automation

- Policy for escalating hot fix builds
- Set release cadence for the App Store

# But it's not just automation

- Policy for escalating hot fix builds
- Set release cadence for the App Store
  - Prioritised backlog of work

# RandomCorp: Release Trains

- Sends a nightly internal+qa build
- Releases every other Tuesday w/ CI
- Uses a release branch to make pushing hotfixes easier



@dantoml [she/they] - iOSCon 2018

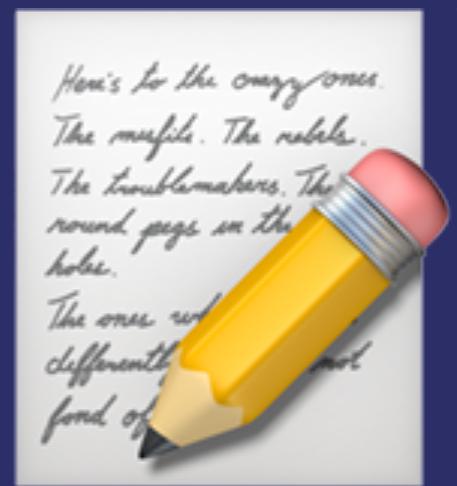
# Testing

@dantoml [she/they] - iOSCon 2018

# Acceptance Testing

# XCUITest

@dantoml [she/they] - iOSCon 2018



# Changelog!

@dantoml [she/they] - iOSCon 2018



@dantoml [she/they] - iOSCon 2018

# snapshot

@dantoml [she/they] - iOSCon 2018

```
scheme("SnapshotGenerator")

devices([
    "iPhone 6",
    "iPhone 6 Plus",
    "iPhone 5",
    "iPhone 4s"
])

languages([
    "en-US",
    "de-DE",
    "es-ES",
    ["pt", "pt_BR"] # Portuguese with Brazilian locale
])

launch_arguments(["-username Felix"])

output_directory('./screenshots')

clear_previous_screenshots(true)
```

# Localisation

@dantoml [she/they] - iOSCon 2018



@dantoml [she/they] - iOSCon 2018



# Feature Toggles

# Toggles are intentional Technical Debt

# Review Times

@dantoml [she/they] - iOSCon 2018

# Tooling

@dantoml [she/they] - iOSCon 2018

# Real World Example\*

**\*by which i mean a totally contrived example.**



Danielle

@dantoml

Follow

For my talk at #iOSCon next week, I'm looking for an open source iOS app that would like to be setup with @FastlaneTools and @circleci, does anyone have any suggestions?

3:01 pm - 12 Mar 2018

3 Retweets 7 Likes



3

3

7



cate @catehstn · Mar 12

Replying to @dantoml @FastlaneTools @circleci

@WordPressiOS ;)

1

1

1



Danielle @dantoml · Mar 12

Well volunteered! :D

1

1

1



cate @catehstn · Mar 12

You can do android too if you are feeling like an Overacheiver 😂

1

1

1



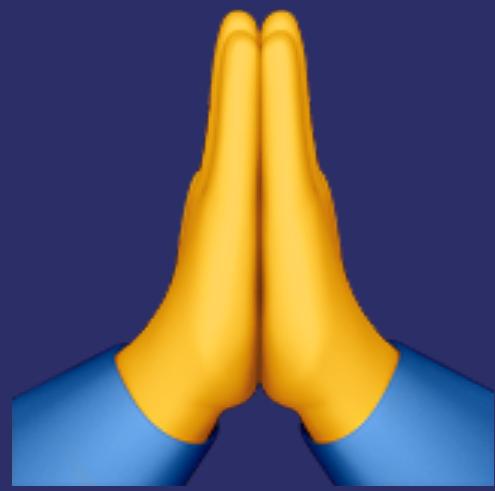
Danielle @dantoml · Mar 12

The more I use gradle the more it scares me tbh

1

1

1



@dantoml [she/they] - iOSCon 2018

A black dog stands on a grassy field, looking towards the camera. The background shows a line of trees and a path or road behind them.

thank you

@dantoml