AUTOMATE ALL THE THINGS

あらゆる作業を自動化しよう

SELF INTRO

▸ Joshua Kaplan

▸ minne @ GMO Pepabo

▸ Danger-Swift contributer

▸ Likes 🤖

CI IS THE ULTIMATE AUTOMATION TOOL

WHY?

▶ **Fewer mistakes**

▶ **Faster**

▶ **More efficient**

▶ **More exciting**

KEY CI TOOLS

▶ Fastlane

▶ Danger

▶ SwiftLint

NORMAL CI FLOW (LEVEL 1)

RUN TESTS FOR EACH PR

Review requested
Show all reviewers
Review has been requested on this pull request. It is not required to merge. Learn more.

All checks have passed
Hide all checks
2 successful checks

✓ 🤖 continuous-integration/bitrise
Details

INTERMEDIATE CI FLOW (LEVEL 2)

LINTERS AND OTHER STATIC ANALYSIS

SWIFTLINT + DANGER

```
swiftlint.lint_files inline_mode: true
```

pepabot commented 7 days ago • edited ▾

	23 Warnings
⚠️	minne/Classes/AppDelegate.swift#L38 – TODOs should be resolved (███████████ ████████████████████).

CHECK STORYBOARDS

```ruby
# storyboardにずれているビューや制約の不備がないか
parsed_diff.each do |changed_file|
  next unless changed_file.file.match(/.*\.(storyboard)$/)

  changed_file.changed_lines.each do |changed_line|
    content = changed_line.content
    has_misplaced_view = content.include? 'misplaced="YES"'
    has_ambiguous_view = content.include? 'ambiguous="YES"'

    file = changed_file.file
    line_number = changed_line.number

    if has_misplaced_view
      fail('ずれているビューがあるので、Update Framesを実行してください', file: file, line: line_number)
    end
    if has_ambiguous_view
      fail('制約が不十分な箇所があるので、直してください', file: file, line: line_number)
    end
  end
end
```

SPELL CHECKING

⚠️ **minne/Classes/Controllers/Product/ProductEditViewController.swift#L1247** - タイポかも？
Dictinary

```ruby
# タイポを検知する
added_and_modified_files = git.added_files + git.modified_files
added_and_modified_files.each do |file_path|
  next unless file_path =~ /\.swift$/
  stdout, status = Open3.capture2("npx", "cspell", file_path)

  next if status.success?
  stdout.split("\n").each do |line|
    next unless matches = /\w+\.swift:(\d+).*-\sUnknown\sword\s\((\w+)\)/.match(line)
    line_number = matches[1].to_i
    word = matches[2]

    warning = "タイポかも？ #{word}"

    warn(warning, file: file_path, line: line_number)
  end
end
```

AUTOMATE PR TASKS

ASSIGN REVIEWERS

```ruby
# レビュワー指定（コメント指定のためにこれを一番上に書く必要あり）
reviewers = ["user1", "user2", "user3"].reject { |reviewer| reviewer == github.pr_author }
repo_name = github.pr_json["head"]["repo"]["full_name"]
pr_number = github.pr_json["number"]

number_of_comments = github.api.issue_comments(repo_name, pr_number).size
if number_of_comments.zero?

  reviewers = reviewers.sample(2)

  github.api.request_pull_request_review(
    repo_name,
    pr_number,
    {},
    "reviewers": reviewers
  )
end
```

POST CI RESULTS

1 Error

🚫 **MyWeightTests.MyWeightTests**: testError, failed - :w:
MyWeightTests/MyWeightTests.swift#L26

2 Warnings

⚠️ **MyWeight/ViewController.swift#L35**: initialization of immutable value 'bla' was never used; consider replacing with assignment to '_' or removing it
```
let bla = "unused variable"
```

⚠️ **Bla.m#L32**: Value stored to 'theme' is never read
```
theme = *ptr++;
```

1 Message

📖 Executed 5 tests, with 1 failure (0 unexpected) in 0.032 (0.065) seconds

```
# Xcode Summary
build_report_file = 'build_results.json'
xcode_summary.ignored_files = 'Pods/**'
xcode_summary.ignores_warnings = true
xcode_summary.inline_mode = true
xcode_summary.report build_report_file
```

POST CODE COVERAGE

nakiostudio-bot commented on 21 Aug 2016

Current coverage for EasyPeasy.framework is **100%**

Files changed	-	-
CompoundAttribute.swift	100%	✅
Context.swift	100%	✅
Attribute.swift	100%	✅
UIView+Easy.swift	100%	✅

Powered by xcov

Generated by 🚫 danger

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```
xcov.report(
  scheme: 'minne',
  workspace: 'minne.xcworkspace',
  exclude_targets: 'TodayExtension.appex, NotificationServiceExtension.appex, MinneKit.framework',
)
```

ADVANCED CI FLOW (LEVEL 3)

CUSTOM SWIFTLINT RULES

```yaml
prefer_gregorian_calendar:
  name: "Gregorian Calendar"
  regex: "Calendar\\.current"
  message: "Please use `Calendar(identifier: .gregorian)` to avoid Japanese calendar-related bugs"
  severity: error
https_only:
  name: "HTTPS Only"
  match_kinds:
    - string # コメントなどを無視して、文字列のみをみる

  regex: "http:"
  message: "Please use HTTPS due to security policy"
  severity: error
```

DELIVER BETA AND RELEASE BUILDS

```ruby
lane :release do
  capture_screenshots                 # generate new screenshots for the App Store
  sync_code_signing(type: "appstore")  # see code signing guide for more information
  build_app(scheme: "MyApp")
  upload_to_app_store                  # upload your app to App Store Connect
  slack(message: "Successfully uploaded a new App Store build")
end
```

AUTOMATE SCREENSHOT DELIVERY

```
// App
let app = XCUIApplication()
setupSnapshot(app)
app.launch()

# Fastlane
lane :screenshots do
  capture_screenshots
  frame_screenshots(white: true)
  upload_to_app_store
end
```

CHECK FOR DEAD CODE

コードの死神 アプリ 11:00
@minne-ios , Unused files exist:
OtherFiles/MICollectionView.h

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```ruby
def get_dead_objc_code
  std_out, status = Open3.capture2("bundle", "exec", "fui", "--ignorexib", "--path", "minne/Classes")
  # fuiのexitstatusは、使われていないクラスの数で、

  # Bridging-Headerが必ず当たってしまうので、

  # 2つ以上の結果がある場合通知している。

  return status.exitstatus >= 2 ? std_out : ""
end

def get_dead_swift_code
  std_out, _ = Open3.capture2("periphery", "scan")
  r = /minne.*(Struct|Class) .*is unused$/
  filtered_results_array = std_out.to_enum(:scan,r).map {$&}.flatten
  return filtered_results_array.join("\n")
end

# Main
dead_objc_result = get_dead_objc_code
dead_swift_result = get_dead_swift_code
mention = "<!subteam^S1DDSFQSF|minne-ios>"
message = "#{mention}, Unused files exist:\n"

notify_slack(message + dead_objc_result) unless dead_objc_result == ""
notify_slack(message + dead_swift_result) unless dead_swift_result == ""
```

RELEASE TAG GENERATION

タグの魔法使い アプリ 14:45   ジャンプ

@minne-ios タグをつくりました。あと、マイルストーンをクローズしたよ〜

🙌 1

40

🏷 0.30.1

⎔ b2d428a

0.30.1: Localized Stain Remover

👤 **marcelofabri** released this 28 days ago · 95 commits to master since this release

Breaking

- None.

Experimental

- Silence `CodingKeys` violations in `unused_private_declaration` since these should always be intentional violations.
  Kim de Vos
  #2573

Enhancements

- Add `nslocalizedstring_key` opt-in rule to validate that keys used in `NSLocalizedString` calls are static strings, so `genstrings` will be able to find them.
  Marcelo Fabri

Bug Fixes

- Fix false positives on `trailing_closure` rule when using anonymous closure calls.
  Marcelo Fabri
  #2159

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SPEED OPTIMIZATION

ROME

- https://github.com/blender/Rome

DYNAMIC CODE COVERAGE

CONCLUSION

AUTOMATE ALL THE THINGS