

Contributing to Swift

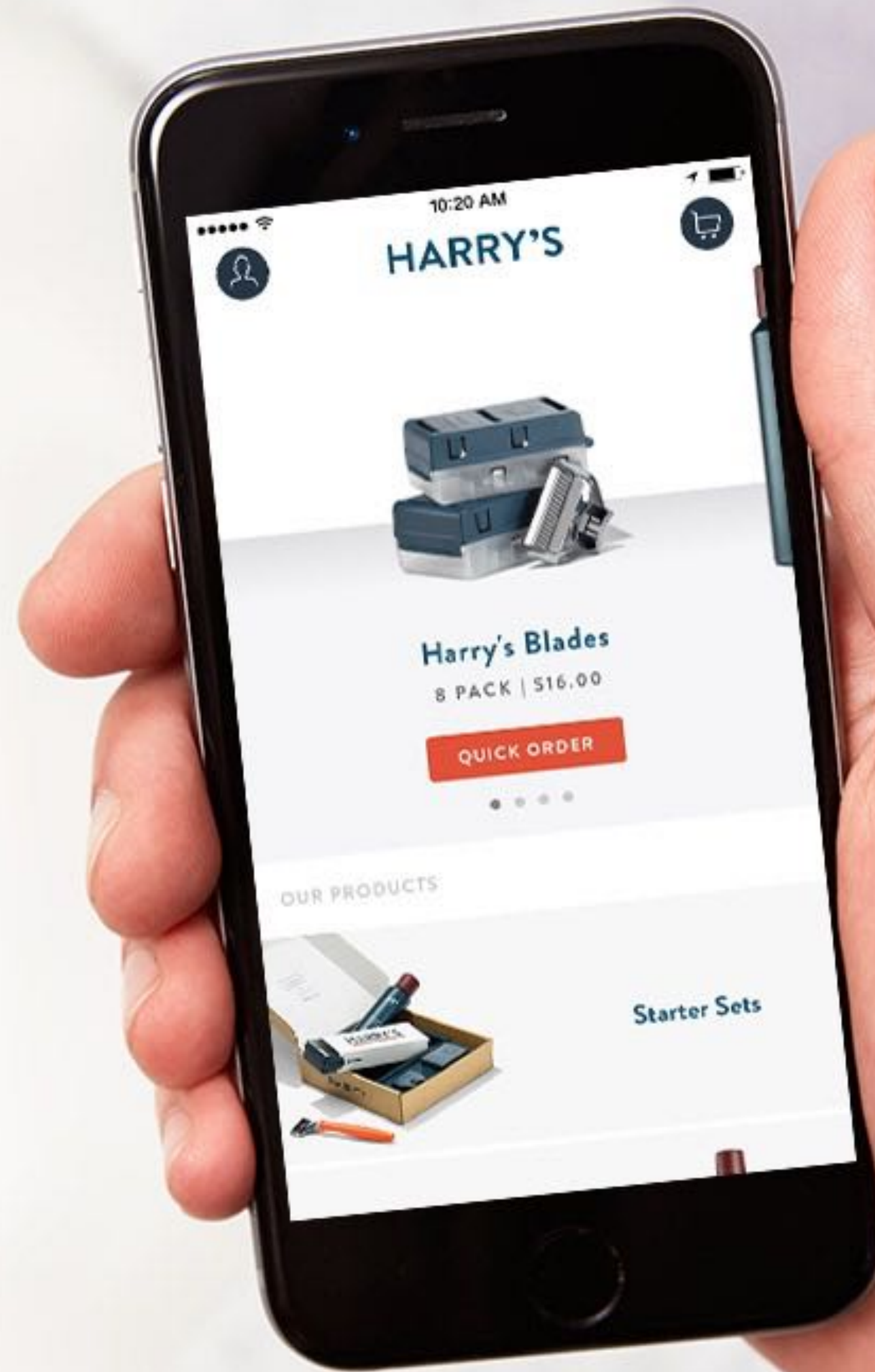
by @neilkimmett



HARRY'S







```
struct CGPoint {  
    var x: Float  
    var y: Float  
}
```

```
struct CGSize {  
    var width: Float  
    var height: Float  
}
```

```
struct CGRect {  
    var origin: CGPoint  
    var size: CGSize  
}
```

```
struct CGPoint {  
    static var zero: CGPoint  
}
```

```
struct CGSize {  
    static var zero: CGSize  
}
```

```
struct CGRect {  
    static var zero: CGRect  
}
```



```
let view = UIView()  
view.frame.origin = .zero
```

```
struct UIEdgeInsets {  
    var top: Float  
    var left: Float  
    var bottom: Float  
    var right: Float  
}
```



```
let view = UIView()
```

```
view.layoutMargins = .zero
```



Neil Kimmett 2:02 PM



aside: why is there `CGRect.zero` but no `UIEdgeInsets.zero`

2:03 ☆

whats that all about



Soroush Khanlou 2:03 PM

that's wack



Neil Kimmett 2:05 PM

can fix with

```
extension UIEdgeInsets {  
    static var zero: UIEdgeInsets {  
        return UIEdgeInsetsZero  
    }  
}
```

but still

cmon Apple



Soroush Khanlou 2:05 PM

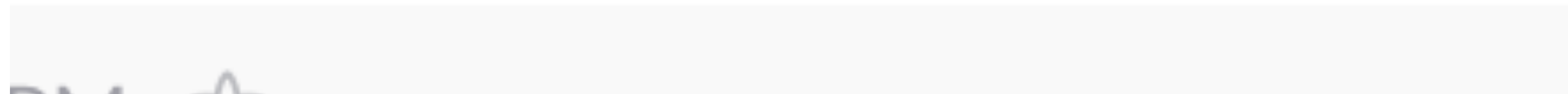
yeah this one's on apple

if you're that kind of person you could make a radar

2:05 PM

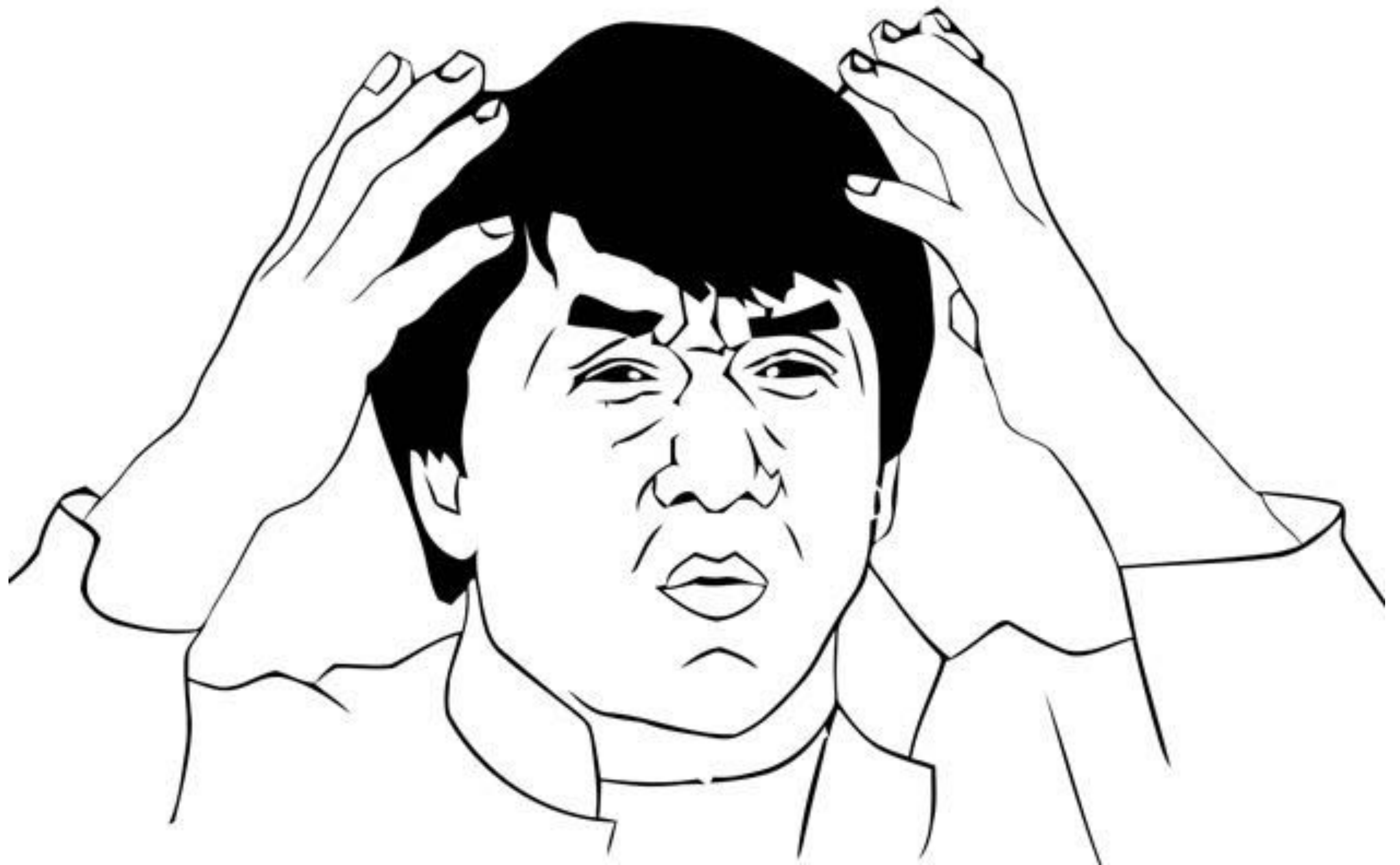
Apple

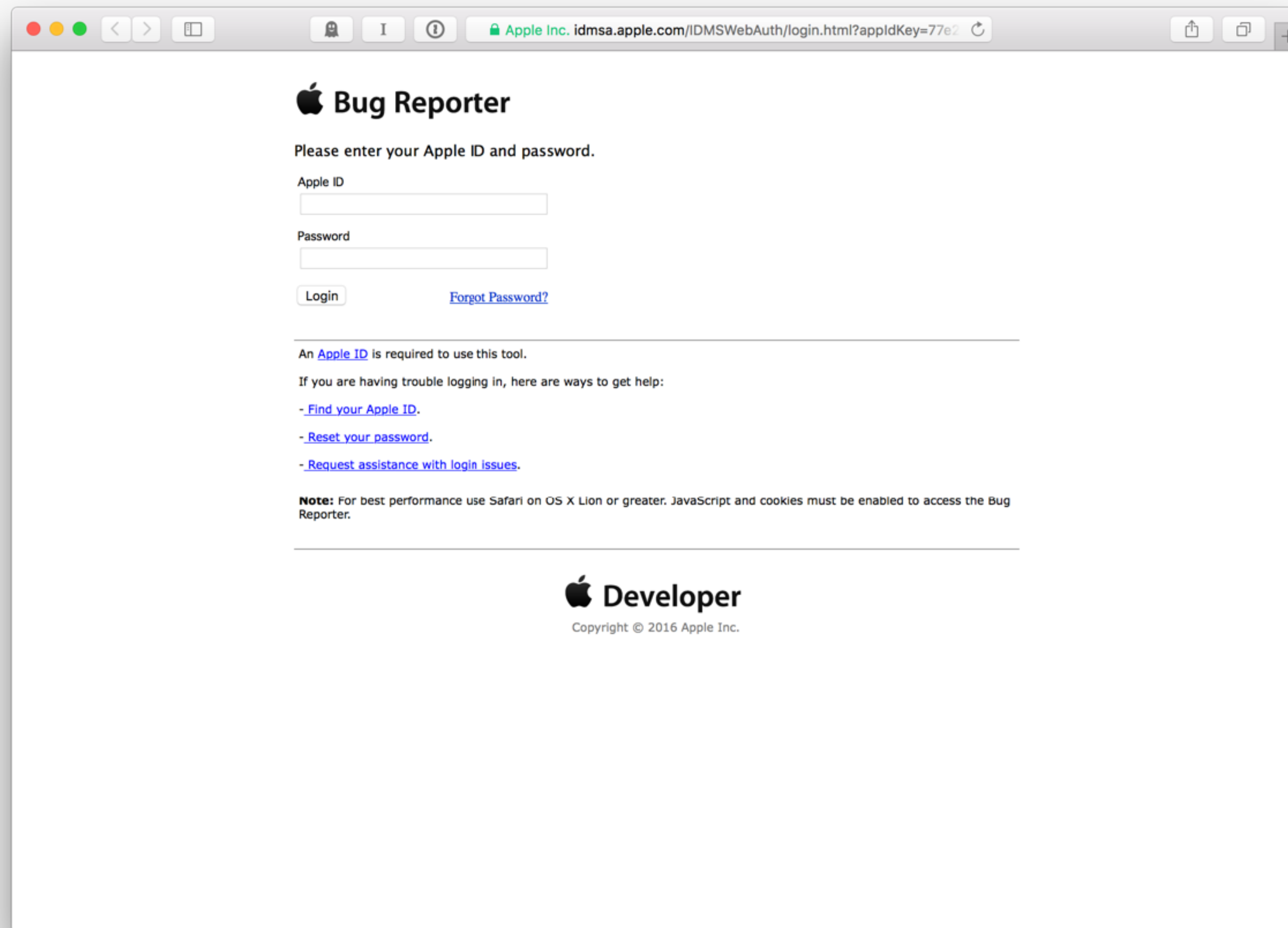
of person you could make a radar




u could make a radar



a radar








<http://bugreport.apple.com/>


 Bug Reporter


 New  Search


 Attention

 Open 5


 Hidden

 Closed 3


 Archive 4


 Drafts

SEARCH

 Results

PRODUCTS

 Developer T... 4

 iOS + SDK 4

Filter Problem List

Sort by Date

27079603 Xcode suggests

Developer Tools
Rank : No Value 29-Jun-2014
Summary: I use a 3rd party library called PureLayout

18720044 Strikethrough on

iOS + SDK
Rank : No Value 21-Oct-2014
Summary: In order to strikethrough text thats in the middle of an NSAttributedString

16780925 When testing iC

Developer Tools
Rank : No Value 01-May-2014
Summary: This is a duplicate of rda... When testing on the iOS Simulator,

Products

New iOS + SDK Problem

Using Apple Bug Reporter

IOS + SDK

Please include only one issue per report. All fields are **required** except where noted. While we cannot respond directly to every report, all reports are reviewed by the appropriate engineering teams.

Classification* Select a type of problem

Reproducibility* Select how often this problem occurs

Area* Select an area of the product

Show instructions

Attach a file

Title: Provide a brief description of the problem

Enter a brief description

Description: Provide a detailed description of the problem. Include specific details to help the engineers reproduce the problem.

Provide a detailed description

Steps to Reproduce: List the step by step process to reproduce the issue

Expected Results: Describe what you expected to see

Actual Results: Describe what you actually saw

Classification

Security

Crash/Hang/Data Loss

Power

Performance

UI/Usability

Serious Bug

Other Bug

Feature (New)

Enhancement

Applied to whole range

Hide | Revert | Save

30-Oct-2014 00:44 AM

and will be closed.

appears in the yellow "Duplicate of XXXXXXXXX" section of the bug detail view just under the bug number, title, state, product and rank.

21-Oct-2014 08:04 AM

21-Oct-2014 08:03 AM


21-Oct-2014 08:02 AM

you need to set two attributes on the string.

on the range you want to strikethrough. This bit makes sense. On the range you don't want to strikethrough. This is non-obvious. No- I don't want to strikethrough.

lineStyleSingle on some range in the middle of the string (i.e. not

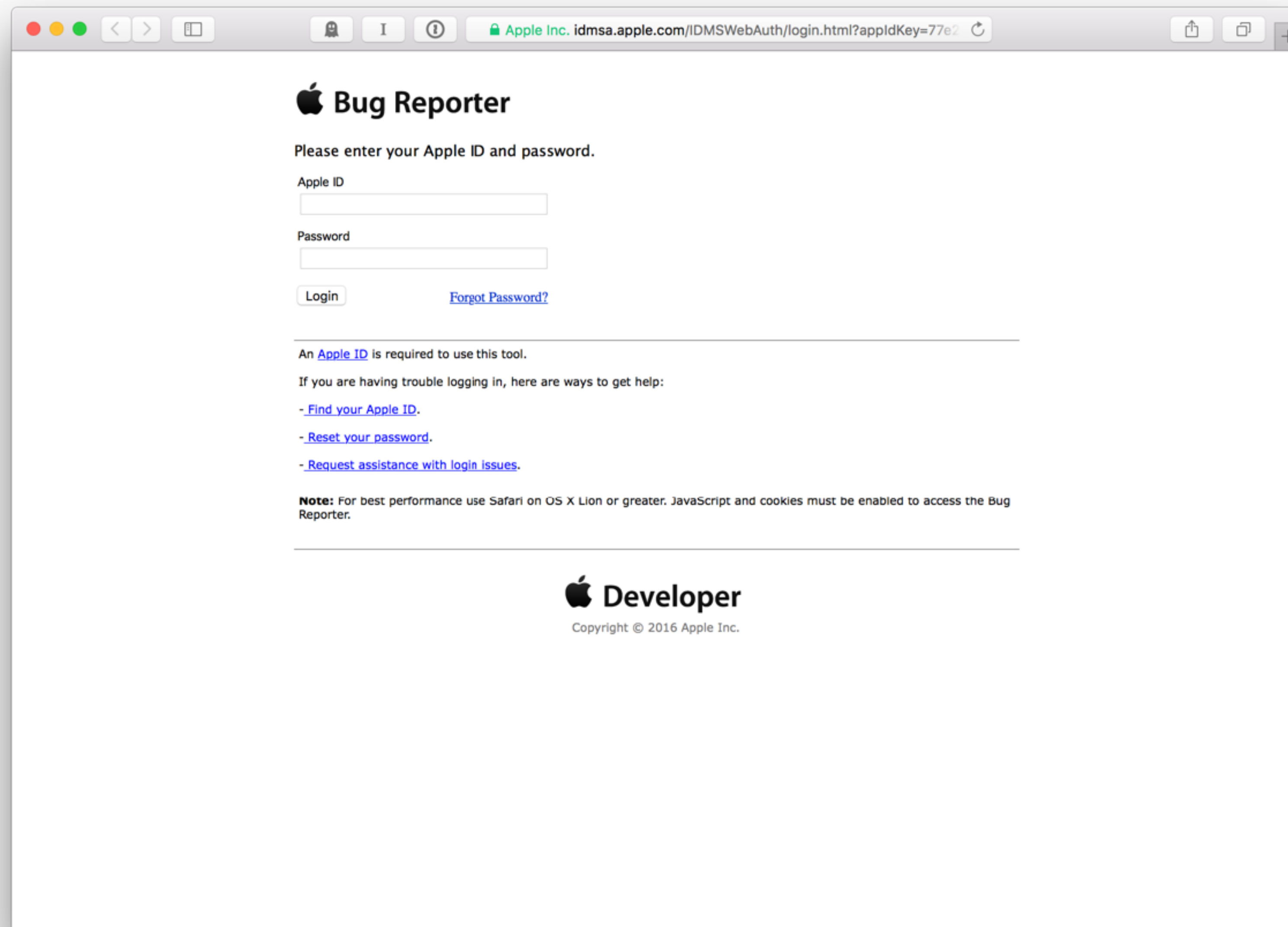
Neil Kimmett
neil.kimmett@ntlworld.com




Apple Developer Relations

Engineering has determined that your bug report is a duplicate of another issue and will be closed.

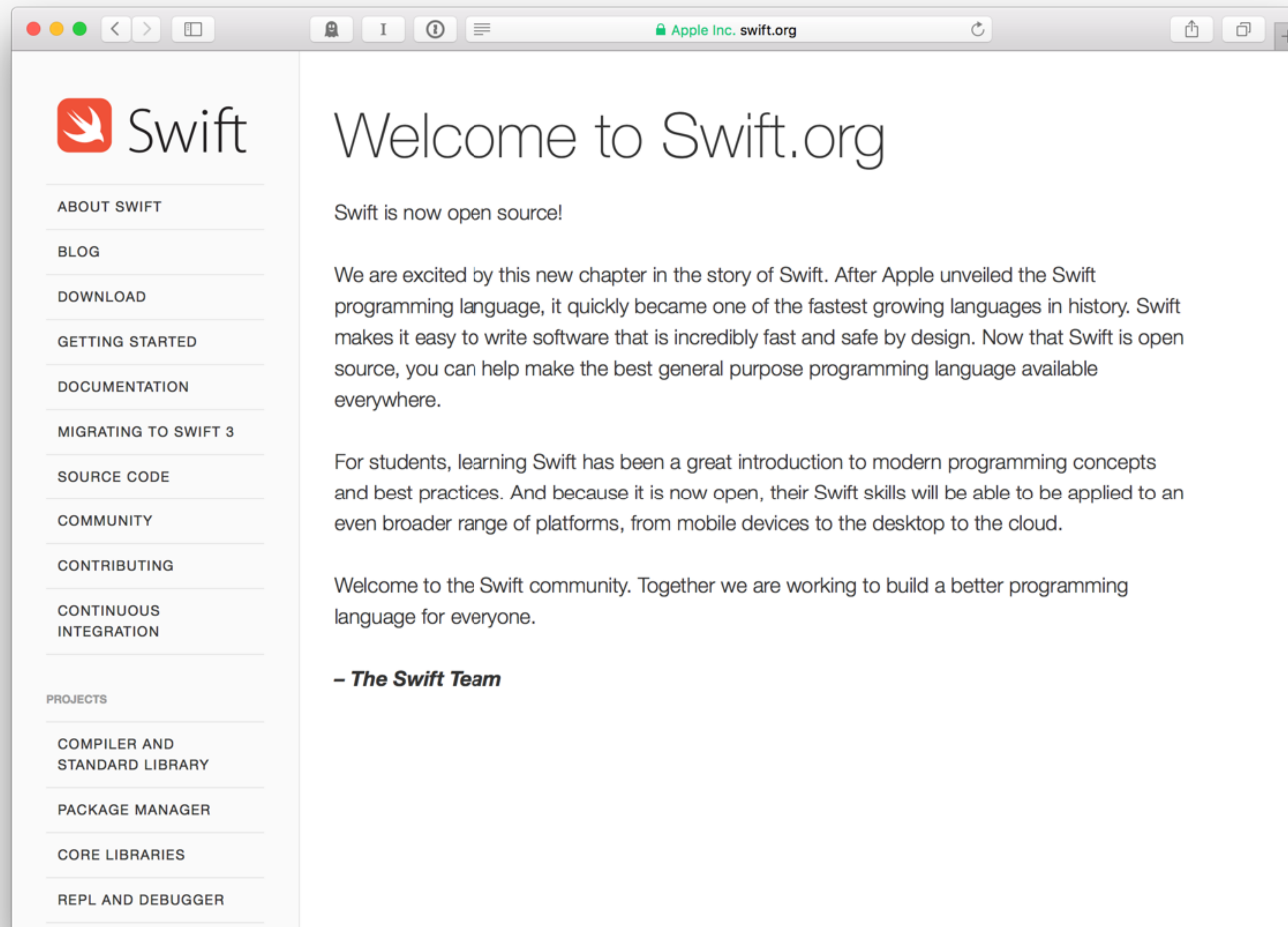
The open or closed status of the original bug report your issue was duplicated to appears in the yellow reporter user interface. This section appears near the top of the right column's bug detail view just und



<http://bugreport.apple.com/>

A close-up of Homer Simpson from the animated series 'The Simpsons'. He is shown from the chest up, with his head tilted back and his right hand resting on his chin in a classic 'thinking' pose. His eyes are wide open, and his expression is one of intense concentration or realization. He is wearing his signature white dress shirt. The background is a simple, stylized interior with a pink wall and a purple door frame. A small, rectangular object, possibly a light switch or a small cabinet, is visible on the wall to the right.

THAT GIVES ME AN IDEA.



<https://swift.org>

GitHub, Inc. github.com/apple/swift

This repository Search Pull requests Issues Gist

apple / swift Watch 2,223 Star 32,093 Fork 4,418

<> Code Pull requests 99 Pulse Graphs

The Swift Programming Language <https://swift.org/>

39,327 commits 21 branches 36 releases 358 contributors

Branch: master New pull request Create new file Upload files Find file Clone or download

swift-ci committed on GitHub Merge pull request #3342 from practicalswift/typo-fixes-20160705 Latest commit be62dd7 a minute ago

| | | |
|--------------|--|--------------|
| .github | Add a missing "the" to the pull request template | 8 days ago |
| apinotes | [APINotes] NSPcenterFunctionsOptions 0-valued members shouldn't be []. | 5 days ago |
| benchmark | [gardening] Use "{let,var} c: C" instead of "{let,var} c : C" | 4 days ago |
| bindings/xml | Nesting parameter/returns/throws doc comments for closure parameters | 3 months ago |
| cmake | [cmake] Refactor check_working_std_regex into its own cmake file Swif... | 8 hours ago |
| docs | [docs] LibraryEvolution: add "let vs. var" as a planned proposal. | 4 days ago |
| include | Sema: Explicitly set interface type on all AbstractFunctionDecls | 4 hours ago |
| lib | Sema: Explicitly set interface type on all AbstractFunctionDecls | 4 hours ago |
| stdlib | Merge pull request #3322 from lucianomarisi/chore/sequence-documenati... | 2 days ago |
| test | [gardening] Fix recently introduced typo: "acutall" → "actual" | an hour ago |
| tools | Revert "[cmake] Do not set CMAKE_INCLUDE_CURRENT_DIR." | 3 days ago |
| unittests | [SourceKit] Remove dependency of SwiftLang on Core | 13 days ago |
| utils | [emacs support] add a missing (require 'compile) | 3 days ago |

<https://github.com/apple/swift>



swift / stdlib / public / SDK / CoreGraphics / **CoreGraphics.swift**

swift / stdlib / public / SDK / CoreGraphics / CoreGraphics.swift

```
12
13 @_exported import CoreGraphics
14 import Darwin
15
16 //===-----
17 // CGGeometry
18 //===-----
19
20 public extension CGPoint {
21     static var zero: CGPoint {
22         @_transparent // @fragile
23         get { return CGPoint(x: 0, y: 0) }
24     }
25
26     @_transparent // @fragile
27     init(x: Int, y: Int) {
28         self.init(x: CGFloat(x), y: CGFloat(y))
29     }
30
31     @_transparent // @fragile
32     init(x: Double, y: Double) {
33         self.init(x: CGFloat(x), y: CGFloat(y))
34     }
35
36     @available(*, unavailable, renamed="zero")
37     static var zeroPoint: CGPoint {
38         fatalError("can't retrieve unavailable property")
39     }
40 }
41
```

swift / stdlib / public / SDK / UIKit / **UIKit.swift**

swift / stdlib / public / SDK / UIKit / UIKit.swift

```
11 // -----  
12  
13 import Foundation  
14 @_exported import UIKit  
15  
16  
17 //===-----  
18 // Equatable types.  
19 //===-----  
20  
21 @_transparent // @fragile  
22 @warn_unused_result  
23 public func == (lhs: UIEdgeInsets, rhs: UIEdgeInsets) -> Bool {  
24     return lhs.top == rhs.top &&  
25         lhs.left == rhs.left &&  
26         lhs.bottom == rhs.bottom &&  
27         lhs.right == rhs.right  
28 }  
29  
30 extension UIEdgeInsets : Equatable {}  
31  
32 @_transparent // @fragile  
33 @warn_unused_result  
34 public func == (lhs: UIOffset, rhs: UIOffset) -> Bool {  
35     return lhs.horizontal == rhs.horizontal &&  
36         lhs.vertical == rhs.vertical  
37 }  
38  
39 extension UIOffset : Equatable {}  
40
```

```
13  import Foundation
14  @_exported import UIKit
15
16  +//===-----
17  +//  UIGeometry
18  +//===-----
19  +
20  +public extension UIEdgeInsets {
21  +    static var zero: UIEdgeInsets {
22  +        @_transparent // @fragile
23  +        get { return UIEdgeInsets(top: 0.0, left: 0.0, bottom: 0.0, right: 0.0) }
24  +    }
25  +}
26  +
27  +public extension UIOffset {
28  +    static var zero: UIOffset {
29  +        @_transparent // @fragile
30  +        get { return UIOffset(horizontal: 0.0, vertical: 0.0) }
31  +    }
32  +}
```

33





swift / test / 1_stdlib / UIKit.swift

```
50 var inset1 = UIEdgeInsets(top: 1.0, left: 2.0, bottom: 3.0, right: 4.0)
51 var inset2 = UIEdgeInsets(top: 1.0, left: 2.0, bottom: 3.1, right: 4.0)
52 print("inset1 == inset1: \(inset1 == inset1)")
53 print("inset1 != inset1: \(inset1 != inset1)")
54 print("inset1 == inset2: \(inset1 == inset2)")
55 // CHECK: inset1 == inset1: true
56 // CHECK: inset1 != inset1: false
57 // CHECK: inset1 == inset2: false
58
```

swift / test / 1_stdlib / UIKit.swift

```
68 +
69 +var inset0 = UIEdgeInsets(top: 0.0, left: 0.0, bottom: 0.0, right: 0.0)
70 +var insetDot0 = UIEdgeInsets.zero
71 +print("inset0 == insetDot0: \(inset0 == insetDot0)")
72 +// CHECK: inset0 == insetDot0: true
73 +
74 +var offset0 = UIOffset(horizontal: 0.0, vertical: 0.0)
75 +var offsetDot0 = UIOffset.zero
76 +print("offset0 == offsetDot0: \(offset0 == offsetDot0)")
77 +// CHECK: offset0 == offsetDot0: true
```


The screenshot shows a GitHub pull request interface. At the top, the title is "Add .zero convenience static vars for UIEdgeInsets and UIOffset #1323". Below the title, it says "Merged" and "jrose-apple merged 3 commits into apple:master from neilkimmett:master on Mar 25". There are tabs for "Conversation" (9), "Commits" (3), and "Files changed" (2). A green bar indicates "+27 -0" changes. The main content area shows a comment from neilkimmett dated Feb 16, discussing the use of UIEdgeInsetsZero and the logical placement of static variables. Below this is a commit entry for "Add .zero convenience static vars for UIEdgeInsets and UIOffset" with commit hash c4d5ccb. Further down, there are two comments from jrose-apple, both dated Feb 16, discussing the need for internal approval at Apple and the choice of print vs StdlibUnitest for tests. The right sidebar contains sections for "Labels" (None yet), "Milestone" (No milestone), "Assignees" (jrose-apple), "4 participants" (with avatars), and "Notifications" (Unsubscribe button).

GitHub, Inc. github.com/apple/swift/pull/1323

Add .zero convenience static vars for UIEdgeInsets and UIOffset #1323

Merged jrose-apple merged 3 commits into apple:master from neilkimmett:master on Mar 25

Conversation 9 Commits 3 Files changed 2 +27 -0

neilkimmett commented on Feb 16

Using UIEdgeInsetsZero instead of UIEdgeInsets.zero was annoying.
Copied the style from '/stdlib/public/SDK/CoreGraphics/CoreGraphics.swift'

I think this is the logical place to put all the bits. Was unsure whether to use the `print(...) ... // CHECK:` style tests or just an `assert` so I did both.

1

Add .zero convenience static vars for UIEdgeInsets and UIOffset ... c4d5ccb

jrose-apple self-assigned this on Feb 16

jrose-apple commented on Feb 16 Apple member

Changes to the overlays have to go through the framework teams at Apple. I'll talk to them internally and report back to you.

jrose-apple commented on Feb 16 Apple member

For the tests, I would just stick to `print` for now, since that's what the rest of the file is doing. The real right answer is to convert the test to use StdlibUnitest, but that can be done separately.

Labels
None yet

Milestone
No milestone

Assignees
jrose-apple

4 participants

Notifications
Unsubscribe
You're receiving notifications because you authored the thread.

<https://github.com/apple/swift/pull/1323>



jrose-apple commented on Mar 21

Apple member



Okay, UIKit has approved this change! (Sorry for the turnaround time.) I'll trigger the tests again.



jrose-apple commented on Mar 21

Apple member



@swift-ci Please test



jrose-apple merged commit **d9596ab** into `apple:master` on Mar 25

2 checks passed

[View details](#)

[Revert](#)



jrose-apple commented on Mar 25

Apple member



Thanks, Neil!



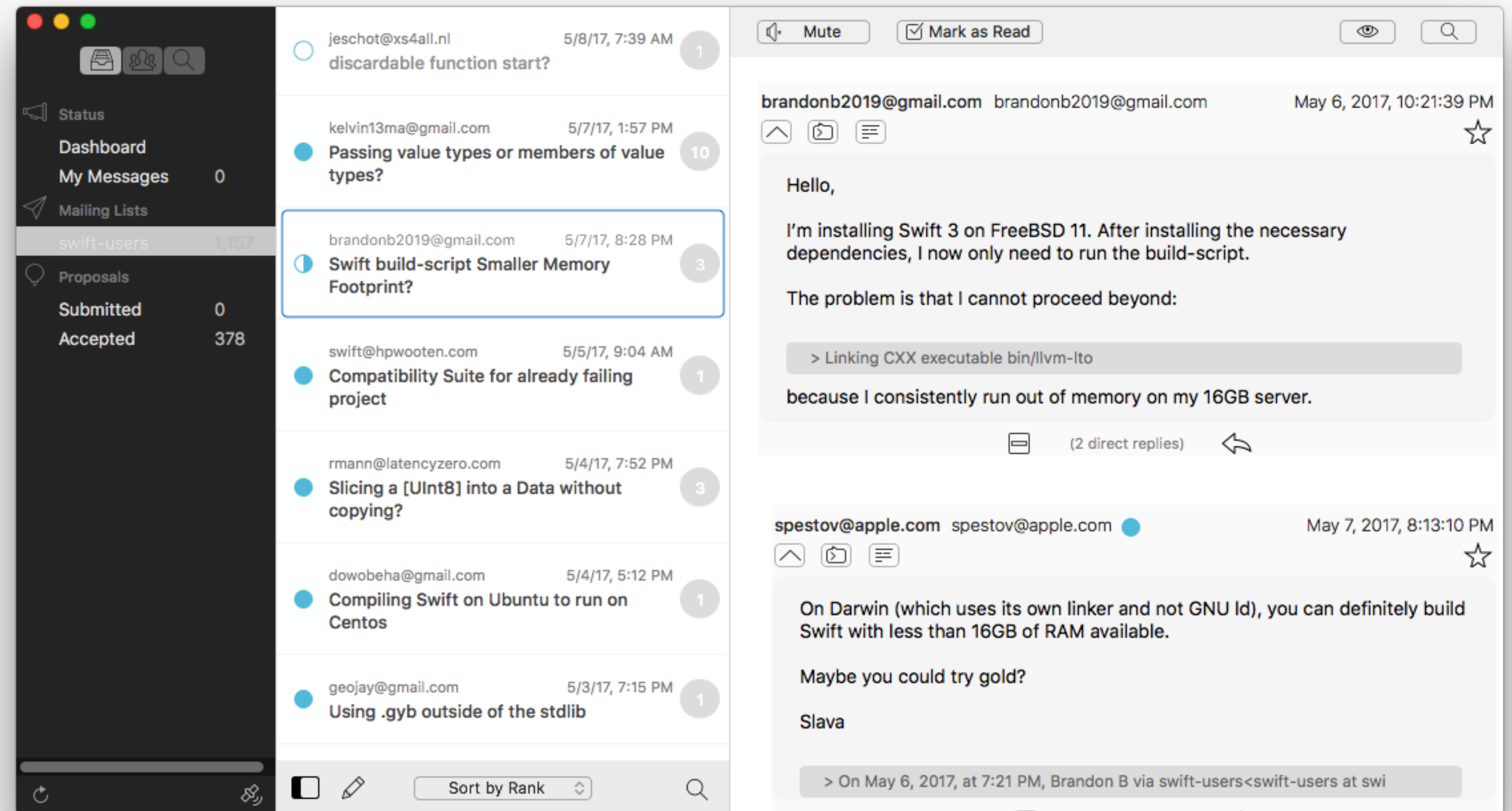

```
let scrollView = UIScrollView()  
scrollView.contentInset = UIEdgeInsets.zero
```

UIEdgeInsets zero

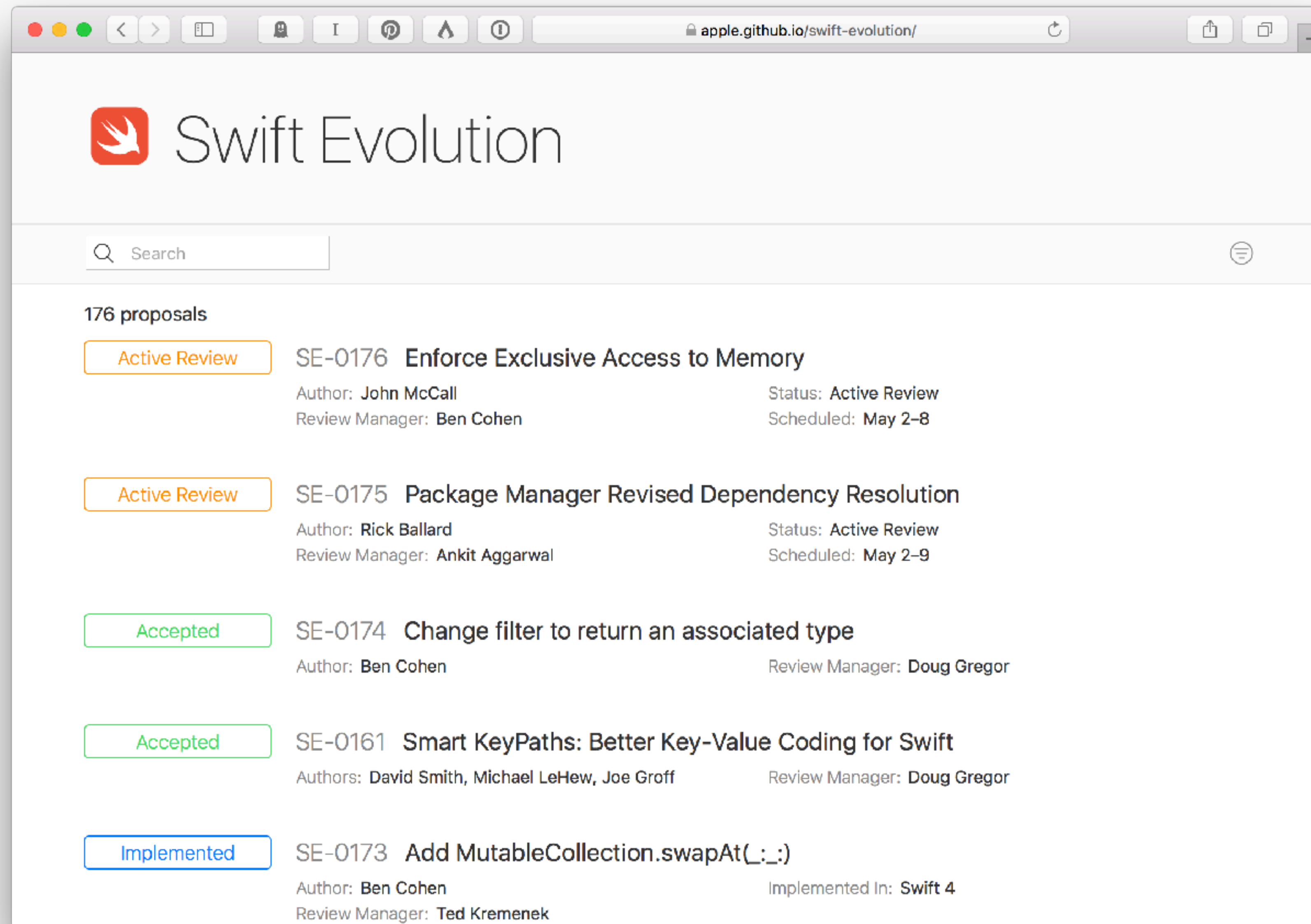
What can I do?



<https://lists.swift.org>



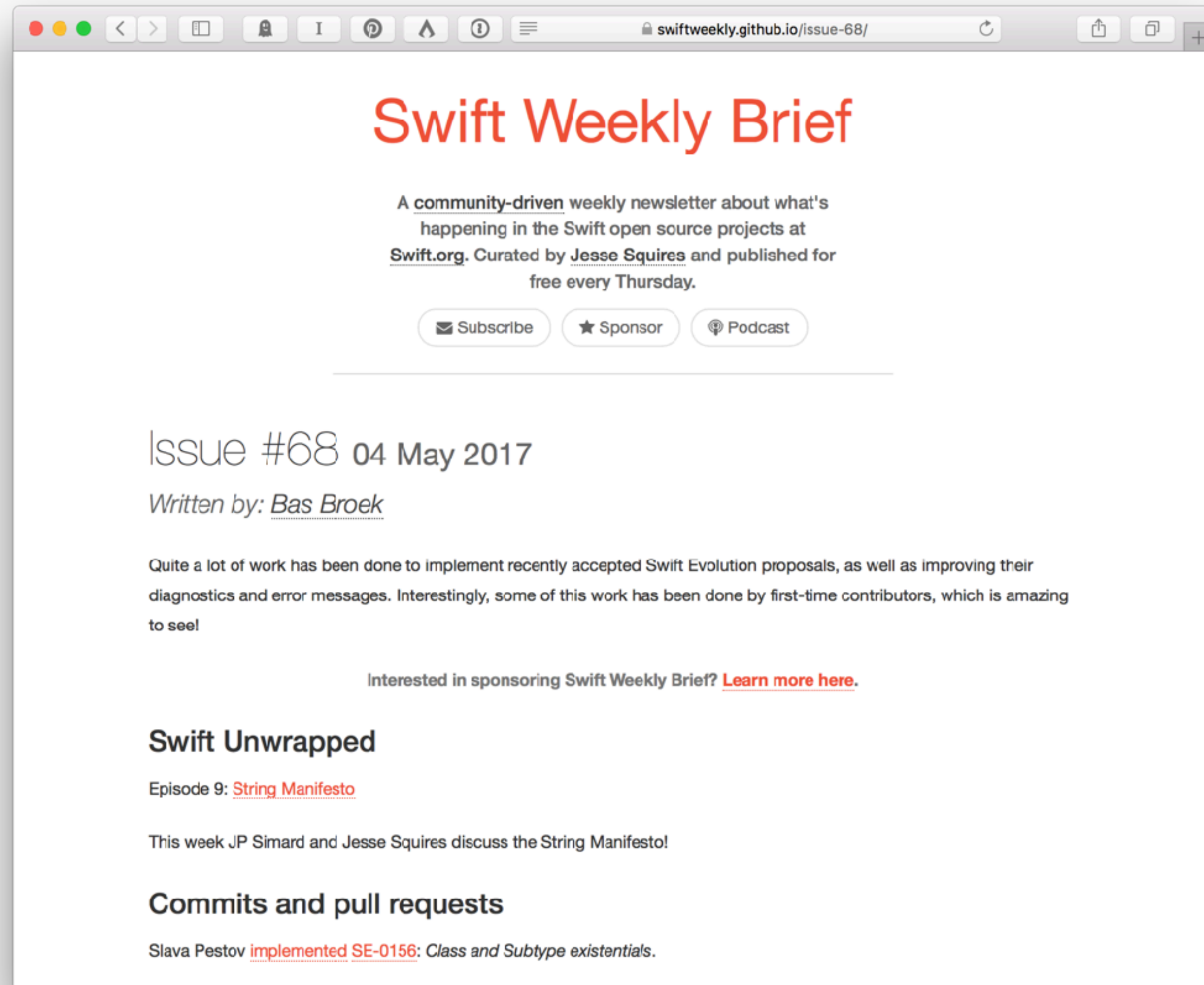
<https://stylemac.com/hirundo/>



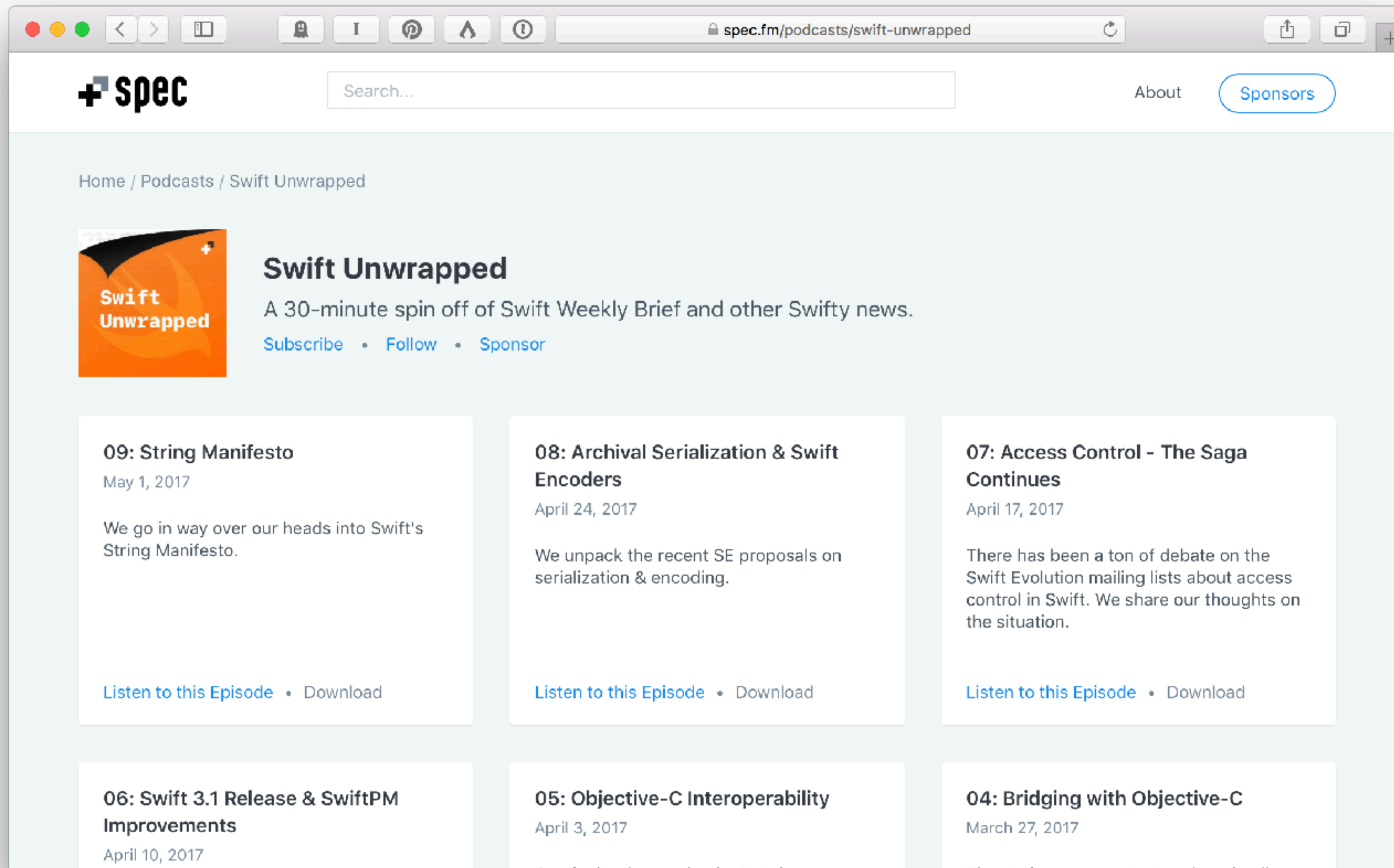
The screenshot shows a web browser window with the address bar displaying `apple.github.io/swift-evolution/`. The page features the Swift Evolution logo at the top left, which consists of a red square with a white bird icon and the text "Swift Evolution". Below the logo is a search bar with the placeholder text "Search". The main content area displays a list of proposals, starting with "176 proposals". Each proposal entry includes a status label in a colored box, a title, the author, the review manager, and the scheduled date or implementation status.

| Status | Proposal ID | Title | Author | Review Manager | Scheduled / Implemented In |
|---------------|-------------|---|---------------------------------------|----------------|----------------------------|
| Active Review | SE-0176 | Enforce Exclusive Access to Memory | John McCall | Ben Cohen | May 2-8 |
| Active Review | SE-0175 | Package Manager Revised Dependency Resolution | Rick Ballard | Ankit Aggarwal | May 2-9 |
| Accepted | SE-0174 | Change filter to return an associated type | Ben Cohen | Doug Gregor | |
| Accepted | SE-0161 | Smart KeyPaths: Better Key-Value Coding for Swift | David Smith, Michael LeHew, Joe Groff | Doug Gregor | |
| Implemented | SE-0173 | Add MutableCollection.swapAt(_:_) | Ben Cohen | Ted Kremenek | Swift 4 |

<https://apple.github.io/swift-evolution/>



<https://swiftweekly.github.io>



<https://spec.fm/podcasts/swift-unwrapped>



Joe Groff

@jckarter

Jordan Rose

@UINT_MIN

Doug Gregor

@dgregor79

Ted Kremenek

@tkremenek

Erica Sadun

@ericasadun

Brian Gesiak

@modocache



Brian Gesiak

@modocache

To become one of the top 100 most prolific committers to Swift, you need 15 commits. For LLVM, you'd need 130.

RETWEETS

4

LIKES

24



5:56 PM - 6 May 2017

Apple Inc. bugs.swift.org/browse/SR-4830?filter=10451

Swift Dashboards Projects Issues Search ? Log In

FILTERS << New filter Find filters

My Open Issues
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FAVORITE FILTERS
You must be *logged in* to view favorite filters.

All starter tasks Details

Swift ▾ Type: All ▾ Open, Reopened ▾ Unassigned ▾ Contains text More ▾ 🔍 Advanced

Label: StarterBug ▾ ✕

Order by Created ▾

- SR-4830 Propagate colors from compiler output
- SR-4824 Add tests to check Collection constraint...
- SR-4793 SwiftPM Gives three different error mes...
- SR-4747 Implement binary search for inserting e...
- SR-4716 Better diagnostics for multifile executab...
- SR-4595 Tests generate lots of warnings
- SR-4589 Add --filter option to swift test
- SR-4411 Make SwiftPM store relative paths in pi...
- SR-4405 Add @escaping to RecoverableError.at...

1 2 ▶

Swift / SR-4830 1 of 82 ▲ ▼

Propagate colors from compiler output Export ▾

Details

Type: Bug
Status: OPEN
Priority: Medium
Resolution: Unresolved
Component/s: llbuild, ... (1)
Labels: StarterBug

Description

Currently, colors are not shown in compiler output. We probably need to detect if stdout is tty and then force colors out of compiler using some driver flag.

Activity

All Comments History Activity

There are no comments yet on this issue.

People

Assignee: Unassigned

Reporter: Ankit Aggarwal

Votes: 1 Vote for this issue

Watchers: 2 Start watching this issue

Dates

Created: 11 hours ago

Updated: 11 hours ago

<https://bugs.swift.org>

GitHub, Inc. github.com/apple/swift

This repository Search Pull requests Issues Gist

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The Swift Programming Language <https://swift.org/>

39,327 commits 21 branches 36 releases 358 contributors

Branch: master New pull request Create new file Upload files Find file Clone or download

swift-ci committed on GitHub Merge pull request #3342 from practicalswift/typo-fixes-20160705 Latest commit be62dd7 a minute ago

| | | |
|--------------|--|--------------|
| .github | Add a missing "the" to the pull request template | 8 days ago |
| apinotes | [APINotes] NSPcenterFunctionsOptions 0-valued members shouldn't be []. | 5 days ago |
| benchmark | [gardening] Use "{let,var} c: C" instead of "{let,var} c : C" | 4 days ago |
| bindings/xml | Nesting parameter/returns/throws doc comments for closure parameters | 3 months ago |
| cmake | [cmake] Refactor check_working_std_regex into its own cmake file Swif... | 8 hours ago |
| docs | [docs] LibraryEvolution: add "let vs. var" as a planned proposal. | 4 days ago |
| include | Sema: Explicitly set interface type on all AbstractFunctionDecls | 4 hours ago |
| lib | Sema: Explicitly set interface type on all AbstractFunctionDecls | 4 hours ago |
| stdlib | Merge pull request #3322 from lucianomarisi/chore/sequence-documenati... | 2 days ago |
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| unittests | [SourceKit] Remove dependency of SwiftLang on Core | 13 days ago |
| utils | [emacs support] add a missing (require 'compile) | 3 days ago |

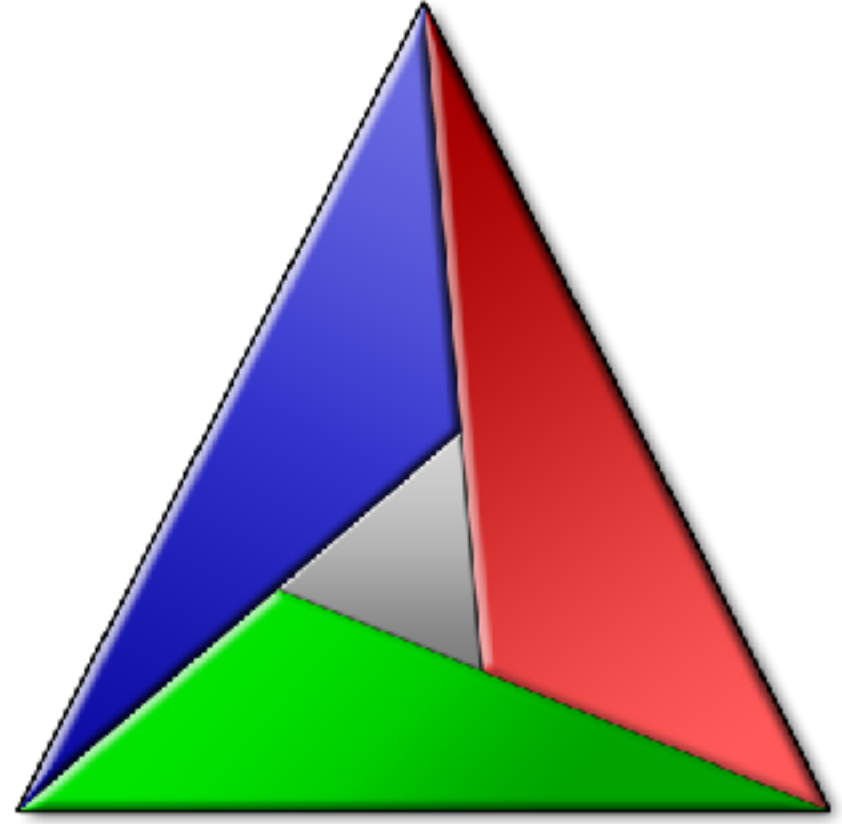
<https://github.com/apple/swift>

```
mkdir swift-source
```

```
cd swift-source
```

```
git clone https://github.com/apple/swift.git
```

```
./swift/utils/update-checkout --clone
```

CMake

Cross-platform Make

Ninja



```
brew install cmake ninja
```

```
utils/build-script -h
```




Do iOS 2016 - Ayaka Nonaka, Contributing to Swift



Xebia Group International

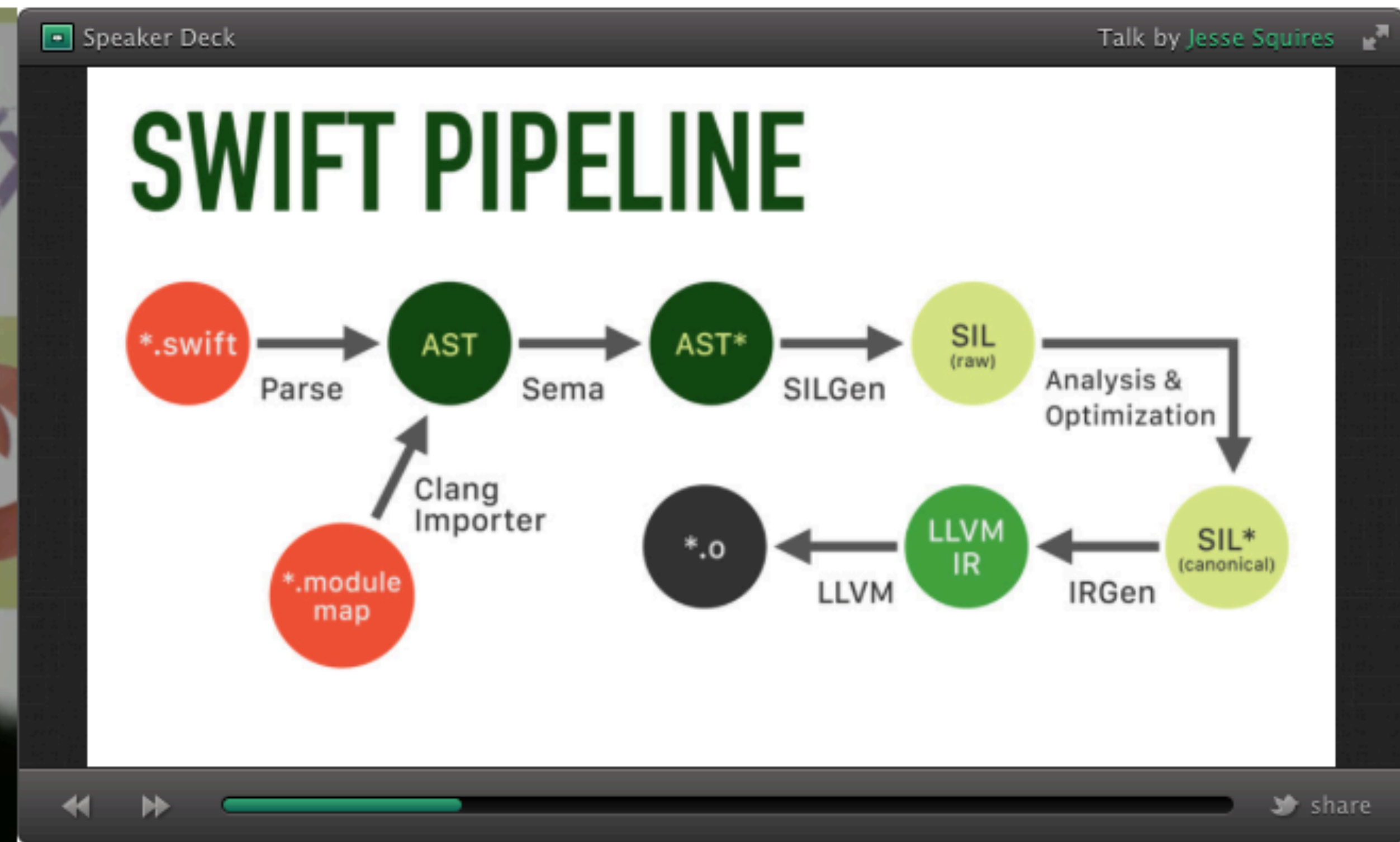
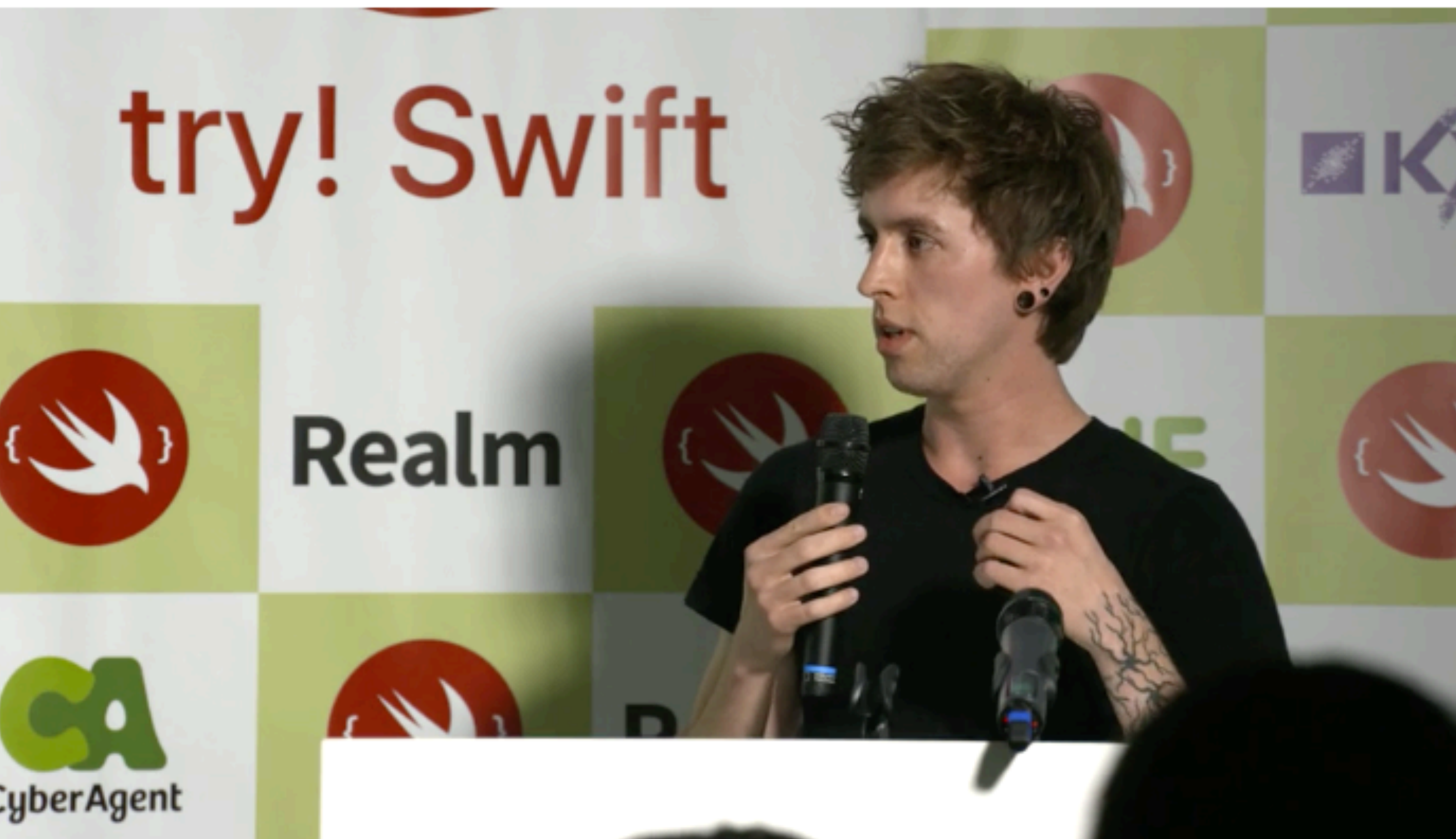
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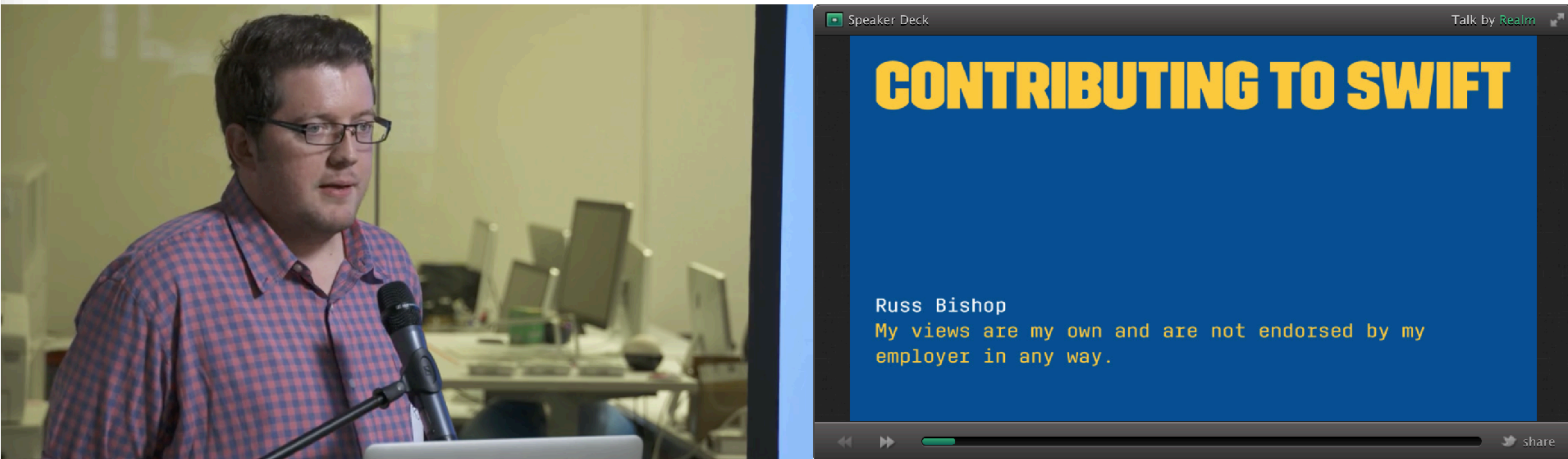
17 0

<https://www.youtube.com/watch?v=GnT2ZeHVJe4>



Jesse Squires - Contributing to Open Source Swift

<https://news.realm.io/news/tryswift-jesse-squires-contributing-open-source-swift/>



Russ Bishop - Contributing to Swift: From Proposal to Shipped

<https://news.realm.io/news/slug-russ-bishop-contributing-open-source-swift-proposal/>

No-one has any idea
what they're doing





Thanks!

from @neilkimmett