

Cocoaheads

Playgroundscon

Great talks which will be available some time in
the future on skilled.io

playgroundscon.com

WWDC 2017

Technology alone is not enough.
Technology must intersect with the liberal arts
and the humanities, to create new ideas and
experiences that push society forward. This
summer we bring together thousands of brilliant
minds representing many diverse perspectives,
passions, and talents to help us change
the world.

Welcome to



San Jose, CA, June 5–9

MacOS 10.12.4

- Night Shift

Xcode 8.3

Less bugs.

Swift 3.1

```
extension Array where Element == Int { }
```

```
struct OuterNonGeneric {  
    struct InnerGeneric<T> {}  
}
```

```
struct OuterGeneric<T> {  
    struct InnerNonGeneric {}  
    struct InnerGeneric<T> {}  
}
```

```
extension OuterNonGeneric.InnerGeneric {}
```

Swift 4.0 Release Process

This will be quite similar to Swift 3.0.

The largest difference between 2 -> 3 and 3 -> 4 will be **source compatibility**.



Articles of Interest

Getting to Swift 3 at AirBnB

<https://medium.com/airbnb-engineering/getting-to-swift-3-at-airbnb-79a257d2b656>

Migrating Firefox for iOS to Swift 3.0

Worth noting is that the Firefox app is all open source.

<https://github.com/mozilla-mobile/firefox-ios>

<https://mozilla-mobile.github.io/ios/firefox/swift/core/2017/02/22/migrating-to-swift-3.0.html>

Swift Changes Considered Harmful

Mentions Sample code from October 2016 for Xcode 8 that doesn't compile and the difficulty for a beginner to pick up with so misleading and unhelpful samples around.

<http://furbo.org/2017/02/17/swift-changes-considered-harmful/>

Reduced Stdlib size



swiftix commented 10 days ago

Member



- [sil-generic-specializer] Do not create specializations for functions marked with `@_semantics("optimize.sil.specialize.generic.never")`
- [sil-performance-inliner] Do not inline generics into thunks

Together they reduce the code size of the stdlib by about 9.4%

Bridging From Swift to ObjC

If you are writing both alongside one another.
This may help.

<http://blog.benjamin-encz.de/post/bridging-swift-types-to-objective-c/>

Swift Ownership Manifesto

Rust style borrow checker, non ARC code made simple? Really this document describes a dedication from Apple to pushing Swift onto as many problem domains as possible.

<https://github.com/apple/swift/blob/master/docs/OwnershipManifesto.md>

That One Optional Property

```
// from this  
var notificationMessage: String?  
  
// to this  
enum Mode {  
    case fromNotification(message: String)  
    case normal  
}  
  
var mode: Mode
```

<http://khanlou.com/2017/03/that-one-optional-property/>

Effective use of shadows and blurring

A discussion on how, when and why to use these effects in your UI's

<https://www.smashingmagazine.com/2017/02/shadows-blur-effects-user-interface-design/>

Open Source

Hydra (Promises)

```
func getImage(url: String) -> Promise<UIImage> {  
    return Promise<UIImage>(in: .background, { resolve, reject in  
        self.dataTask(with: request, completionHandler: { data, response, error in  
            if let error = error {  
                reject(error)  
            } else if let data = data, let response = response as? HTTPURLResponse {  
                resolve((data, response))  
            } else {  
                reject("Image cannot be decoded")  
            }  
        }).resume()  
    })  
}
```

<https://github.com/malcommac/Hydra>

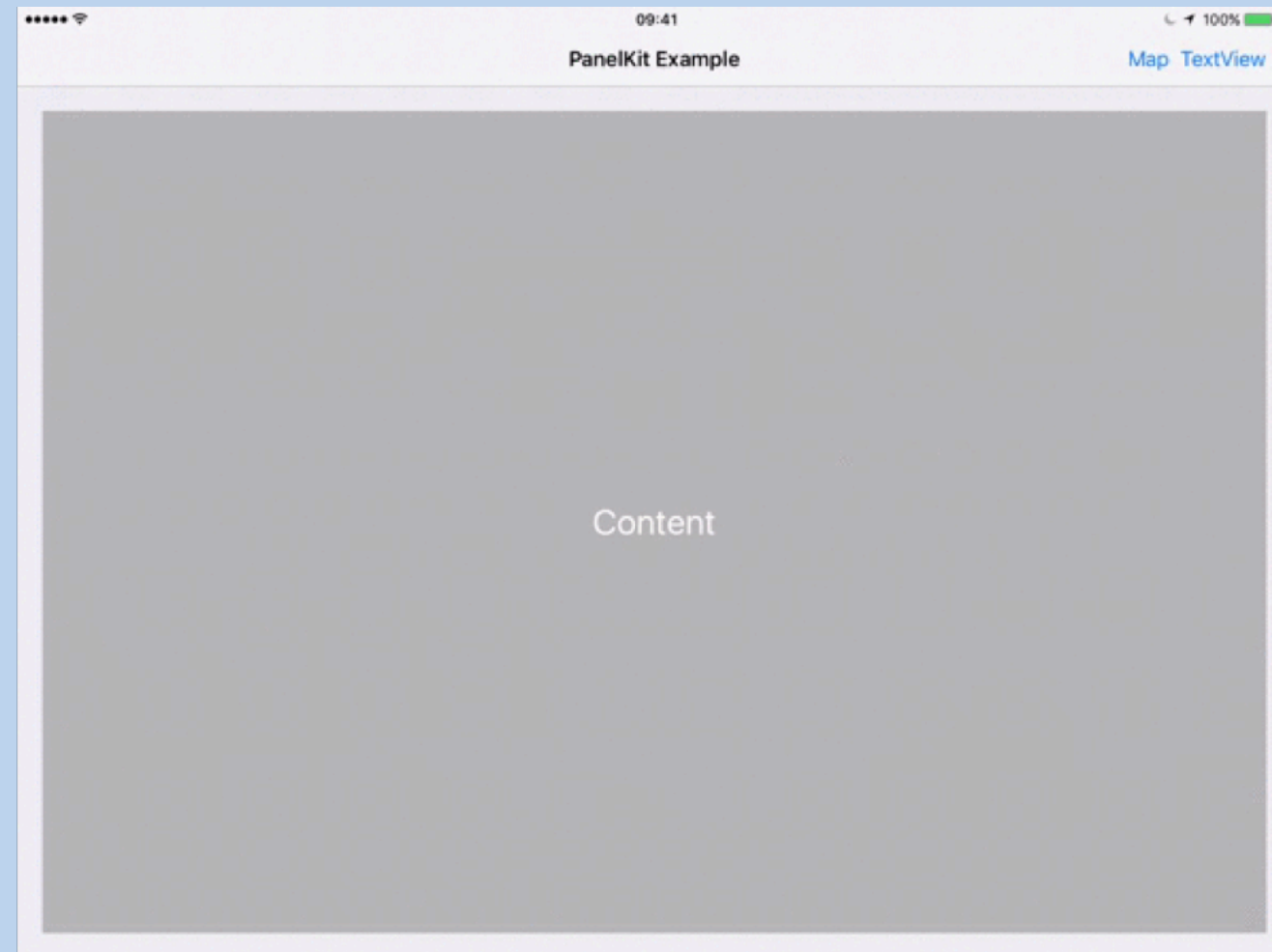
Guitar Cross Platform String Library

Includes:

- Casing manipulation
- **reverse**, **length**, **first**, **last**
- **trimming**
- **truncating...**
- **left-pad** (and others)

<https://github.com/ArtSabintsev/Guitar>

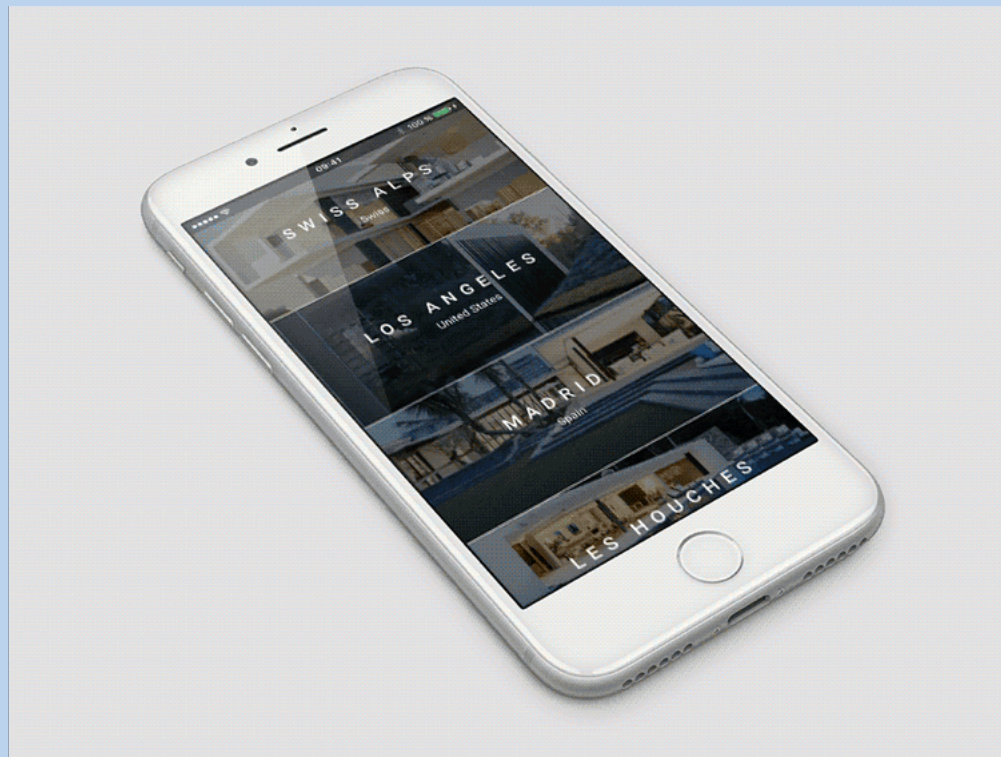
PanelKit



<https://github.com/louisdh/panelkit>

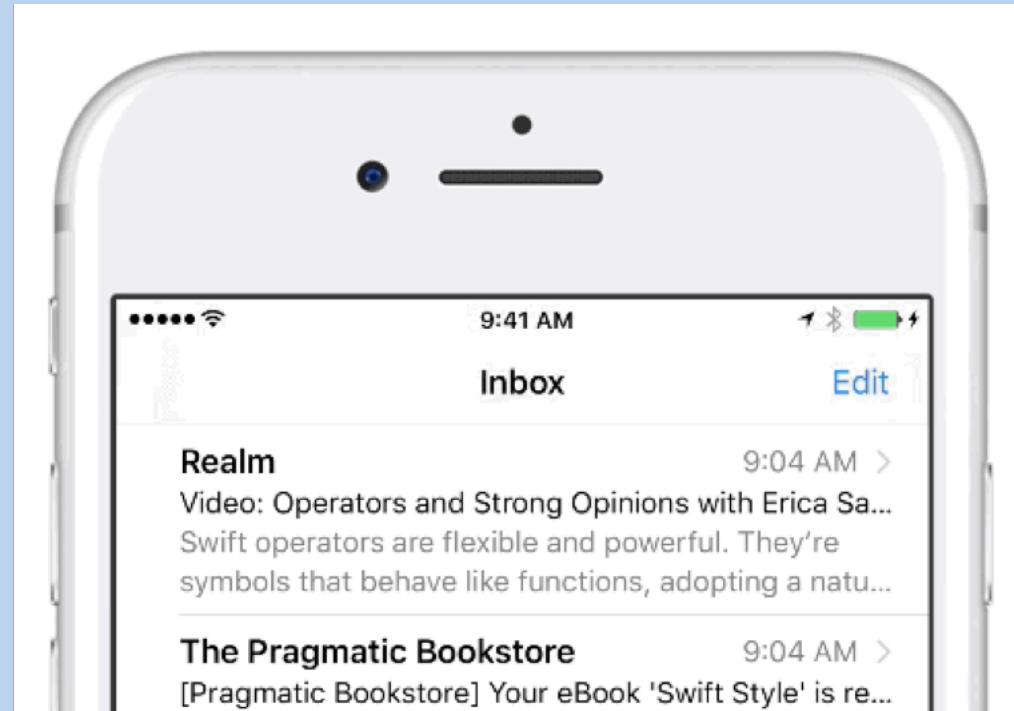
ElongationPreview

Push Pop style View Controller



<https://github.com/Ramotion/elongation-preview>

SwipeCellKit



<https://jerkoch.com/2017/02/07/swiper-no-swiping.html>

<https://github.com/jerkoch/SwipeCellKit>

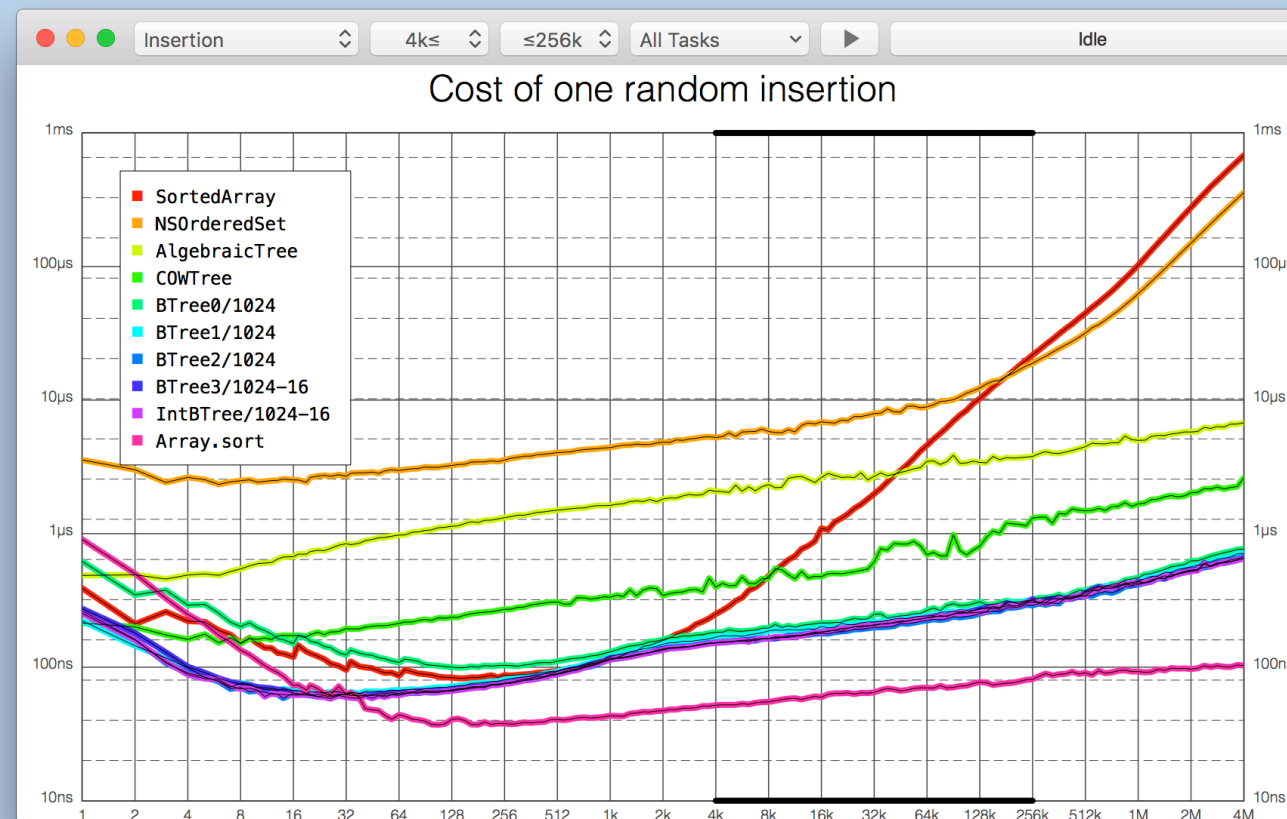
Twitter Image Pipeline

Blog post and Open Source Framework built for loading and caching images in the Twitter app.

<https://blog.twitter.com/2017/introducing-twitter-image-pipeline-ios-framework-for-open-source>

<https://github.com/twitter/ios-twitter-image-pipeline>

Benchmarking made better



<https://github.com/lorentey/Attabench>

Call for speakers

Slack

brisbane.herokuapp.com