

Prototyping with SwiftUI

Hello World!

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Prev.

- Sygic
- Alice in Tokyo

Agenda

- Case Study
- Specifics
- Use-case
- Perspectives

Case study

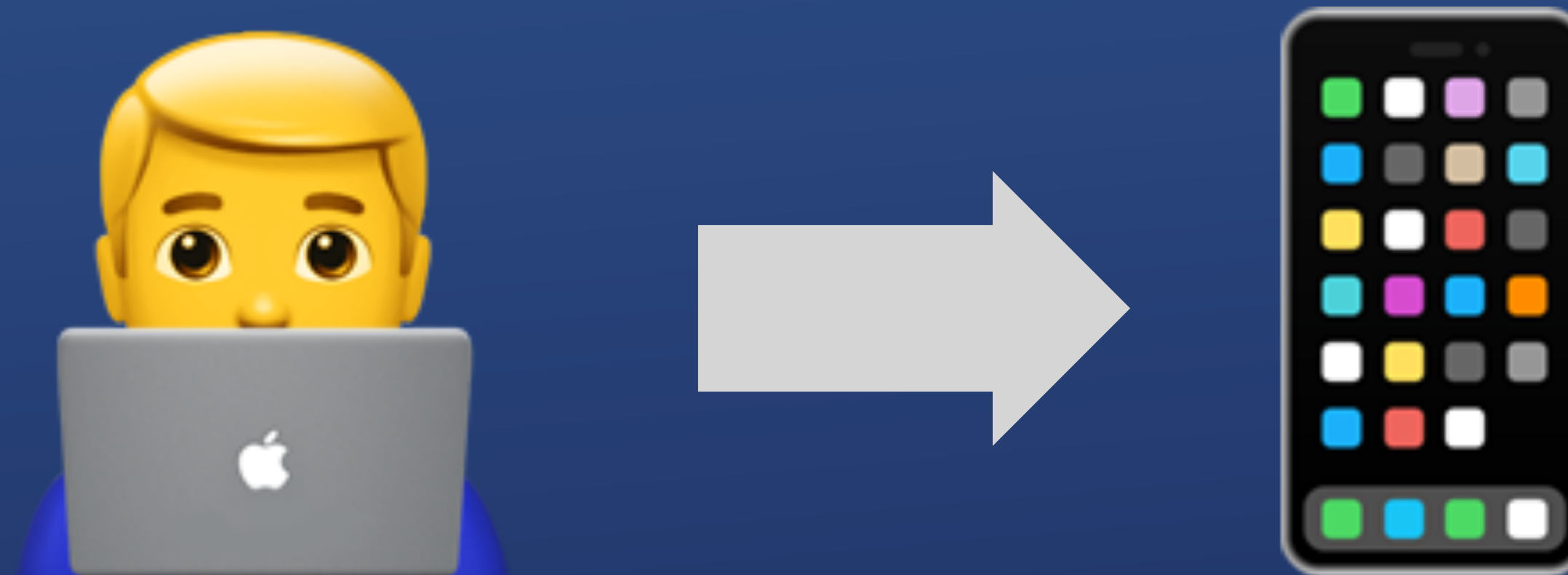
- iOS 13+ Support
- UIKit Alternative
- Easy to Learn
- Runs on Apple Platforms with Display

Specifics



Specifics 🍏

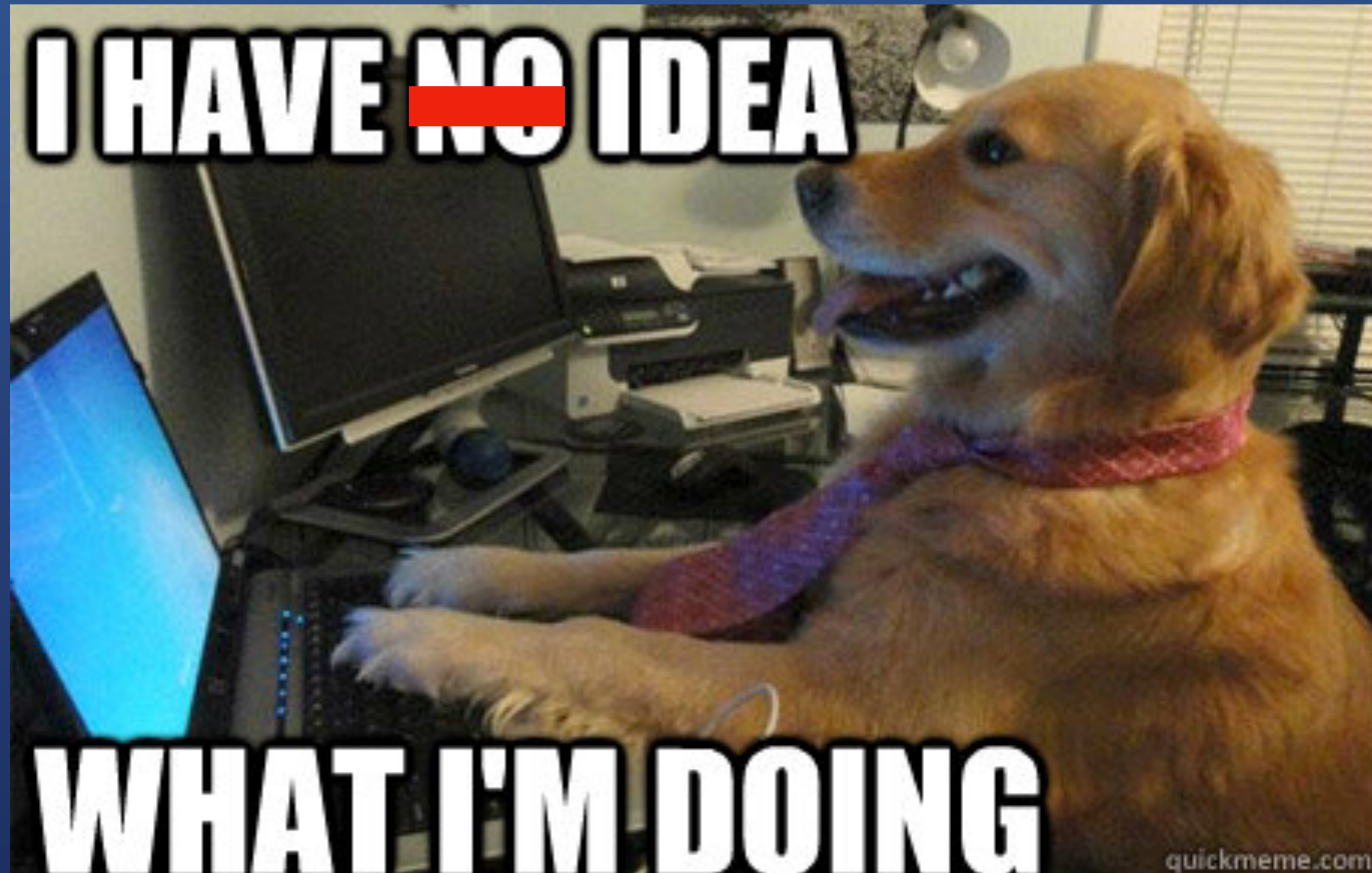
- Declarative syntax¹



1: <https://developer.apple.com/xcode/swiftui/>

Specifics 🍏

- Simple



Specifics

- Interfacing with UIKit
 - UIViewControllerRepresentable
 - UIHostingController

Specifics

- Limits and issues¹
 - No UICollectionView
 - ScrollView performance low
 - other²

1: <https://github.com/ryangittings/swiftui-bugs>

2: <https://openradar.appspot.com/search?query=swiftui>

Specifics 🍏

- Long-time Migration Process
 - Reconsider Architecture
 - Know Limitations
 - Consider Dependencies
 - Time-consuming

Specifics 🍏

- Low Business Interest



Use-case: Projects

GitHub numbers

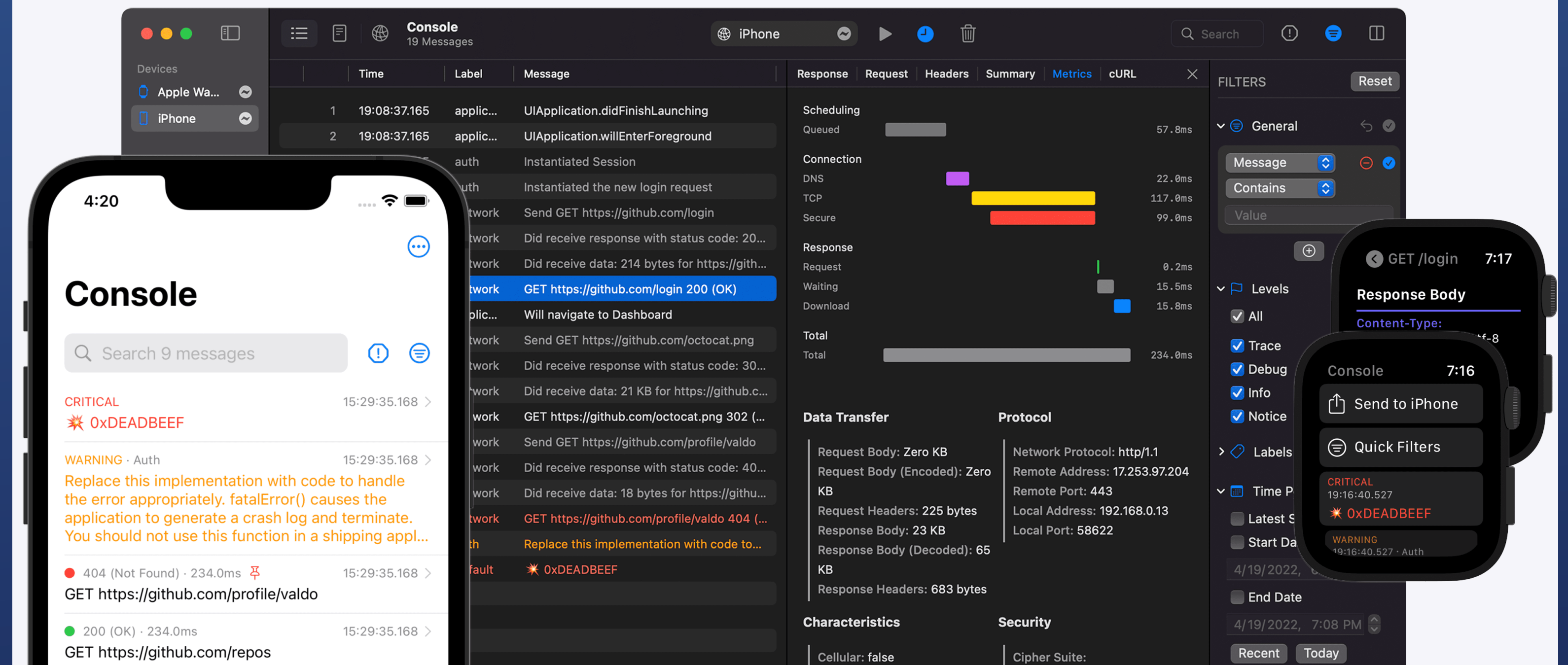
- 30 000+ repos mentioning SwiftUI
- 700 000+ files import SwiftUI
- Many custom UI-components¹

1: <https://github.com/ivanvorobei/SwiftUI>

Use-case: Projects

- Logging system for Apple platforms¹

pulse



1: <https://github.com/kean/Pulse>

Use-case: Hands on

- “Inject” framework¹ from Krzysztof Zabłocki

“Allows you to live code UIKit, AppKit and SwiftUI screen”

1: <https://github.com/krzysztofzablocki/Inject>

Use-case: Hands on

- InjectionIII app¹

Don't restart your application
to see changes



1: <https://github.com/johnno1962/InjectionIII>

Use-case: Hands on

Demo

Use-case: Sum-up

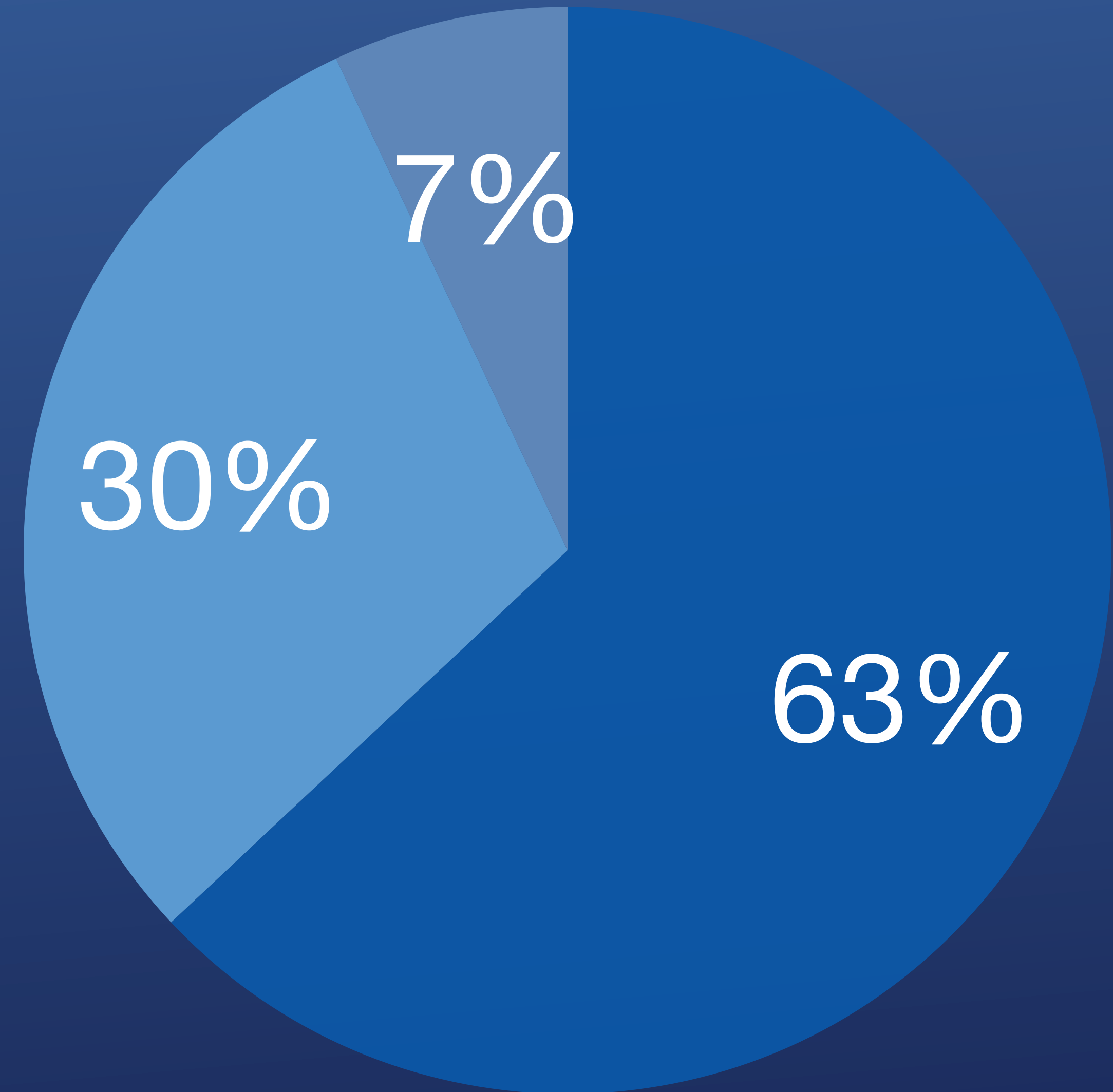
😊 Developers happiness

Use-case: Sum-up

- Reliable?
- Simple?
- Scalable?

Perspectives

iOS version
distribution¹
for January 2022



1: <https://www.statista.com/statistics/565270/apple-devices-ios-version-share-worldwide>

Perspectives

- Many of already shipped apps¹
- Framework growth
- More questions for interview
- WWDC22 this June

1: <https://www.swiftuiapps.com>

Prototyping with SwiftUI

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We're hiring!

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<http://leovegasgroup.com/careers>