



Introducing SwiftUI

WSNJY - 

BETTER APPS. LESS CODE

What is SwiftUI?

- SwiftUI is a user interface toolkit that lets us design apps in a declarative way
- Design Tools
- Native on All Apple Platforms

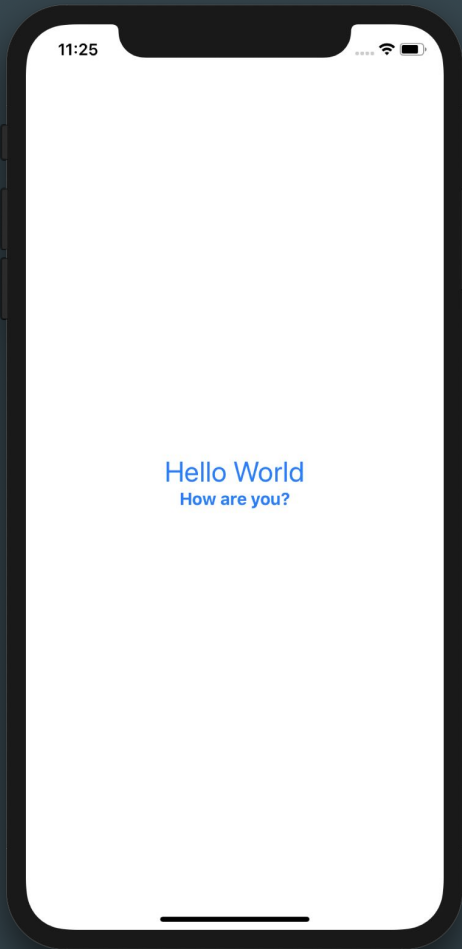
Facebook -> ReactNative

Google -> Flutter

What do you need to SwiftUI?

- Mac OS Mojave or latest (Catalina for the best experience)
- XCode 11 or latest
- iOS 13 or latest

SwiftUI vs UIKit



iPhone 11 — 13.3

How many lines bruhh???

UIKit

Legacy

```
let containerView = UIView(frame: CGRect(x: 0.0, y: 0.0, width: 375.0, height: 667.0))
containerView.backgroundColor = UIColor.white
```

```
let stackView = UIStackView()
stackView.axis = .vertical
stackView.distribution = .fillProportionally
stackView.alignment = .center
stackView.translatesAutoresizingMaskIntoConstraints = false
```

```
containerView.addSubview(stackView)
```

```
containerView.addConstraints(
    NSLayoutConstraint.constraints(withVisualFormat: "H:|-[stackView]-|",
                                  options: NSLayoutConstraint.FormatOptions(rawValue: 0),
                                  metrics: nil,
                                  views: ["stackView": stackView])
)
```

```
containerView.addConstraints(
    NSLayoutConstraint.constraints(withVisualFormat: "V:|-[stackView]-|",
                                  options: NSLayoutConstraint.FormatOptions(rawValue: 0),
                                  metrics: nil,
                                  views: ["stackView": stackView])
)
```

```
let label = UILabel()
label.text = "Hello World"
label.font = label.font.withSize(12)
label.textColor = UIColor.blue
```

```
let label2 = UILabel()
label2.text = "How are you?"
label2.font = label.font.withSize(8)
label2.textColor = UIColor.blue
```

```
stackView.addArrangedSubview(label)
stackView.addArrangedSubview(label2)
```


SwiftUI



```
VStack {  
    Text("Hello World")  
        .font(.title)  
        .foregroundColor(Color.blue)  
    Text("How are you?")  
        .fontWeight(.bold)  
        .foregroundColor(Color.blue)  
}
```

SwiftUI Live Coding Session!



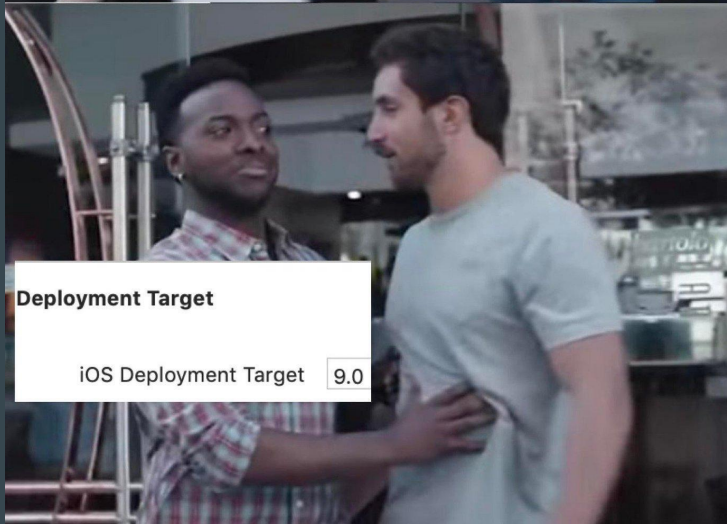
Bonus Stage:

Combine



SwiftUI for LinkAja apps?





Not right
now..

*IMHO

Where to go?

<https://developer.apple.com/xcode/swiftui/> - Apple

<https://www.hackingwithswift.com/100/swiftui> -> Paul Hudson

<https://designcode.io/courses> -> Meng To

Q and A


```
NSLog("Thank You");
```