SwiftUI in Practice

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Introduction

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SwiftUI

- New UI toolkit for Swift
- Cross Apple’s platforms
- Support for Dark Mode, localization, and accessibility

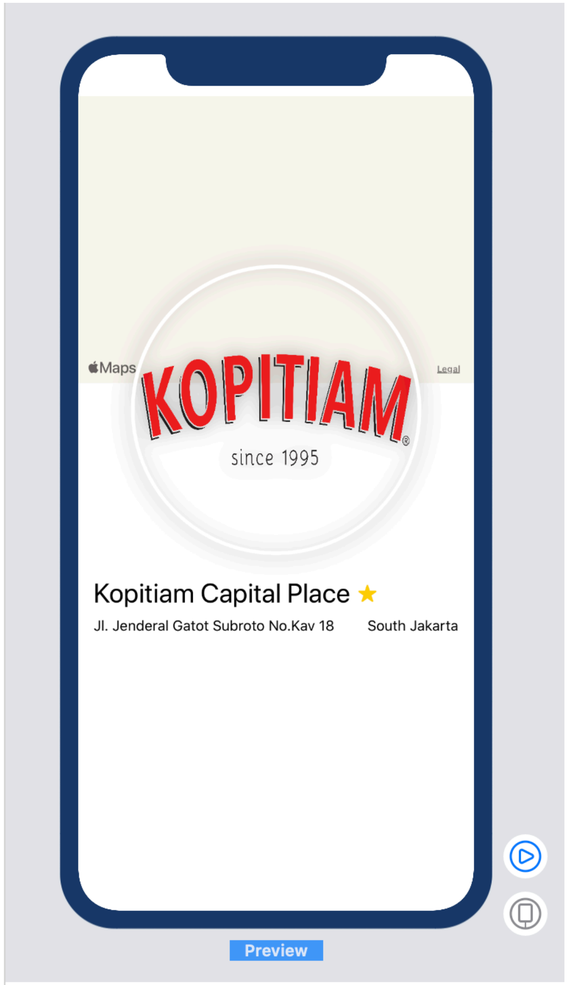
Declarative Syntax

- State what the User Interface should have and do
- Less code
- Easier to read

```
import SwiftUI

struct MerchantRowView: View {

    var merchant: Merchant

    var body: some View {
        HStack {
            Image(merchant.imageName)
                .resizable()
                .frame(width: 50, height: 50, alignment: .center)
                .scaledToFit()

            Text(merchant.name)
            Spacer()

            if merchant.isFavorite {
                Image(systemName: "star.fill")
                    .imageScale(.medium)
                    .foregroundColor(.yellow)
            }
        }
    }
}
```

Integrated with Xcode Preview

```
import SwiftUI

struct MerchantDetailView: View {

    @EnvironmentObject var userData: UserData

    var merchant: Merchant

    var merchantIndex: Int {
        userData.merchantsData.firstIndex(where: { $0.id ==
            merchant.id})!
    }

    var body: some View {
        VStack {
            MapView(coordinate: merchant.locationCoordinate)
                .frame(height: 300)

            RoundedImageView(image: Image(merchant.imageName))
                .offset(y: -130)
                .padding(.bottom, -130)

            VStack(alignment: .leading) {
                HStack {
                    Text(merchant.name)
                        .font(.title)

                    Button(action: {

                            self.userData.merchantsData
                            [self.merchantIndex].isFavorite.toggle()
                    }) {
                        if
                            self.userData.merchantsData
                            [self.merchantIndex].isFavorite {
                            Image(systemName: "star.fill")
                                .foregroundColor(Color.yellow)
```



Prerequisite

- MacOS Catalina Beta
- Xcode 11 Beta
- Tips: install in the drive new volume

Demo

QnA

Resources

- https://medium.com/@myobie/how-to-install-the-macos-catalina-beta-alongside-mojave-818a97d38c9
- https://developer.apple.com/tutorials/swiftui
- https://developer.apple.com/documentation/swiftui
- https://github.com/ardiprakasa/Nearby-Me-SwiftUI

We are Hiring!

iOS Software Engineer and more

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Fin.