



บริษัท **ศิลา** นักปราชญ์ จำกัด

We believe that technology has the power to transform the classroom.

View and Modifier

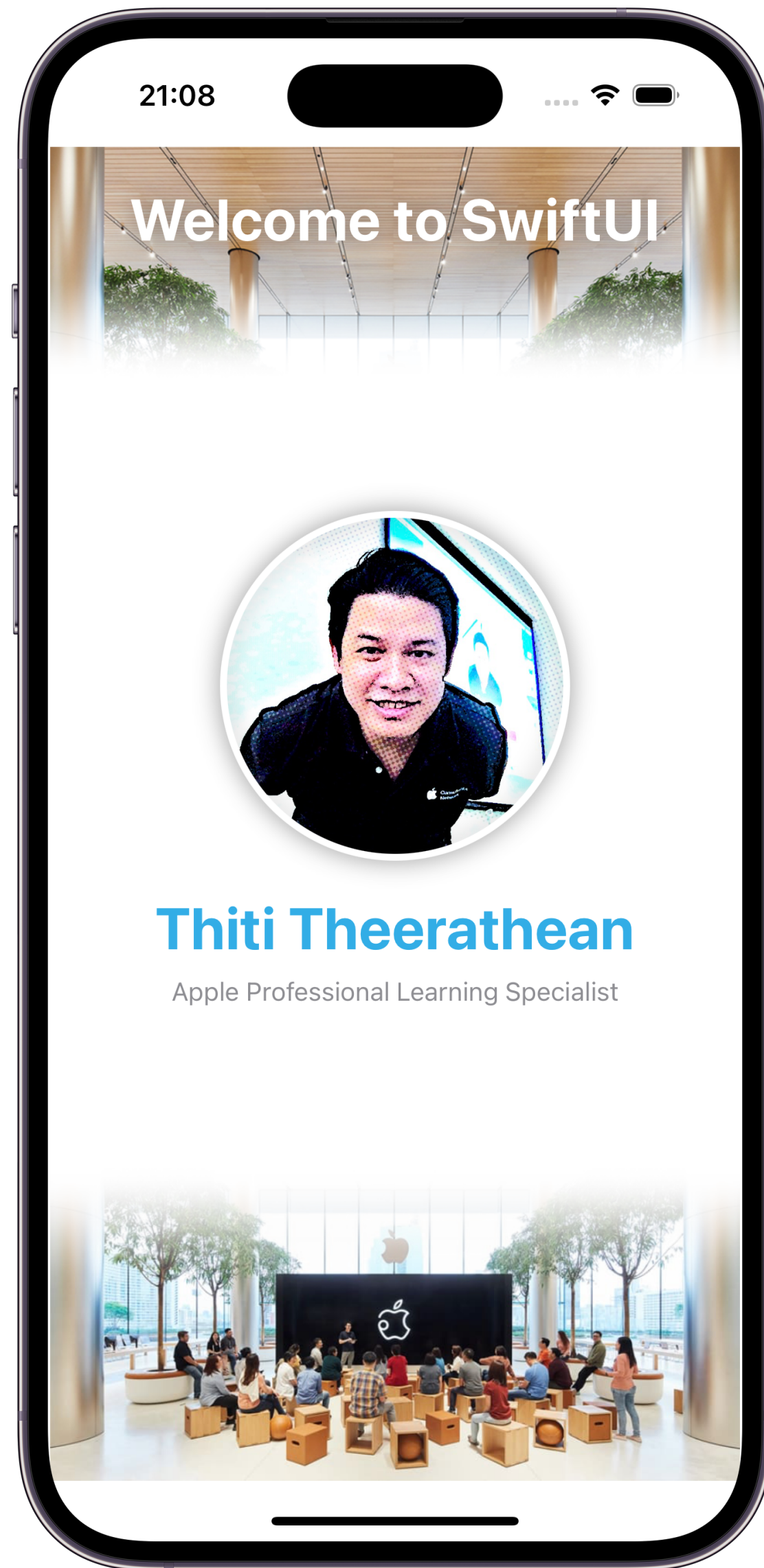
โดย ธิติ ธีระเรียม

Apple Certified Trainer (App Development with Swift)

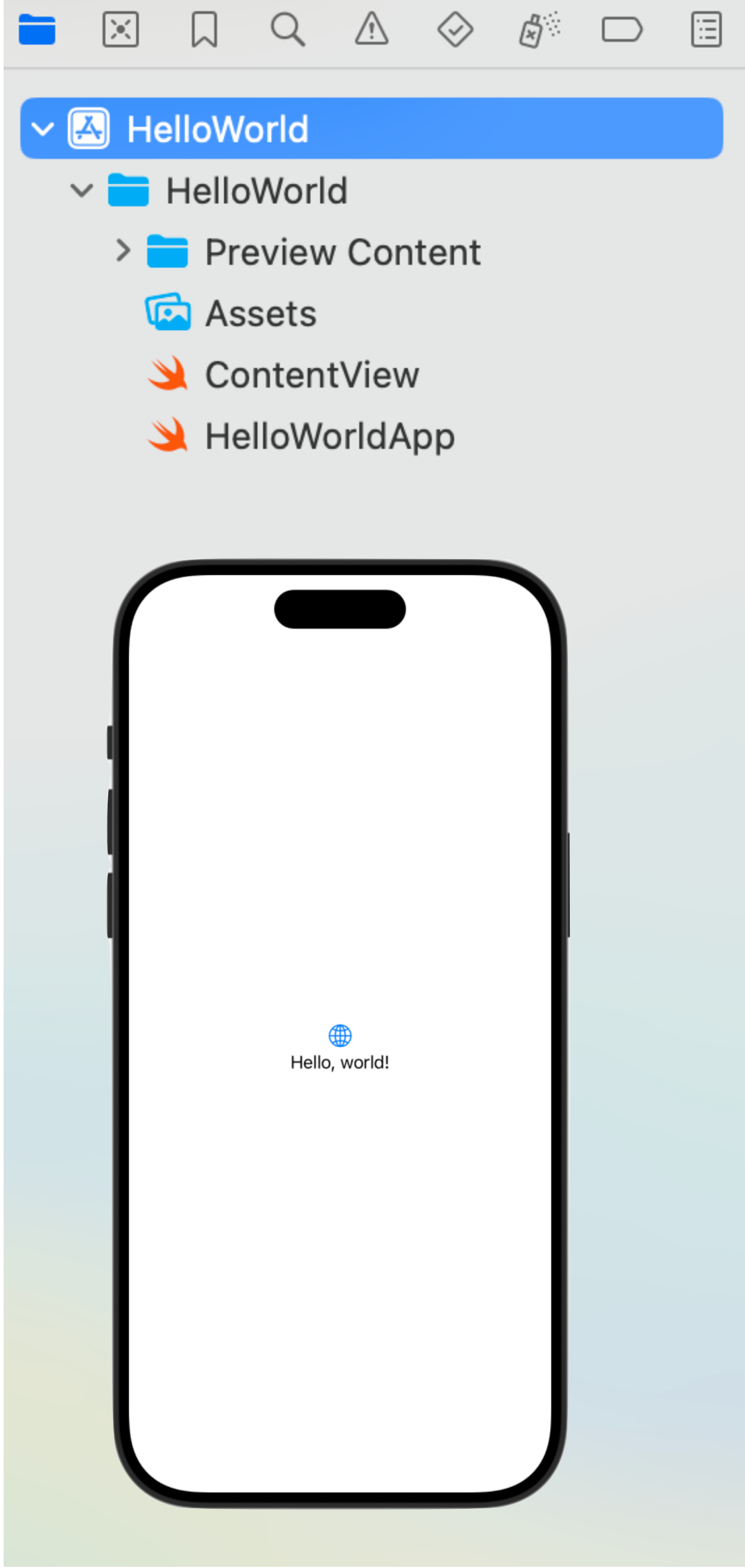
Issue: January 2026



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- **Text**
- **Image**
- **Shape**
- **VStack, HStack, ZStack**



HelloWorldApp.swift

```
import SwiftUI

@main
struct HelloWorldApp: App {
    var body: some Scene {
        WindowGroup {
            ContentView()
        }
    }
}
```

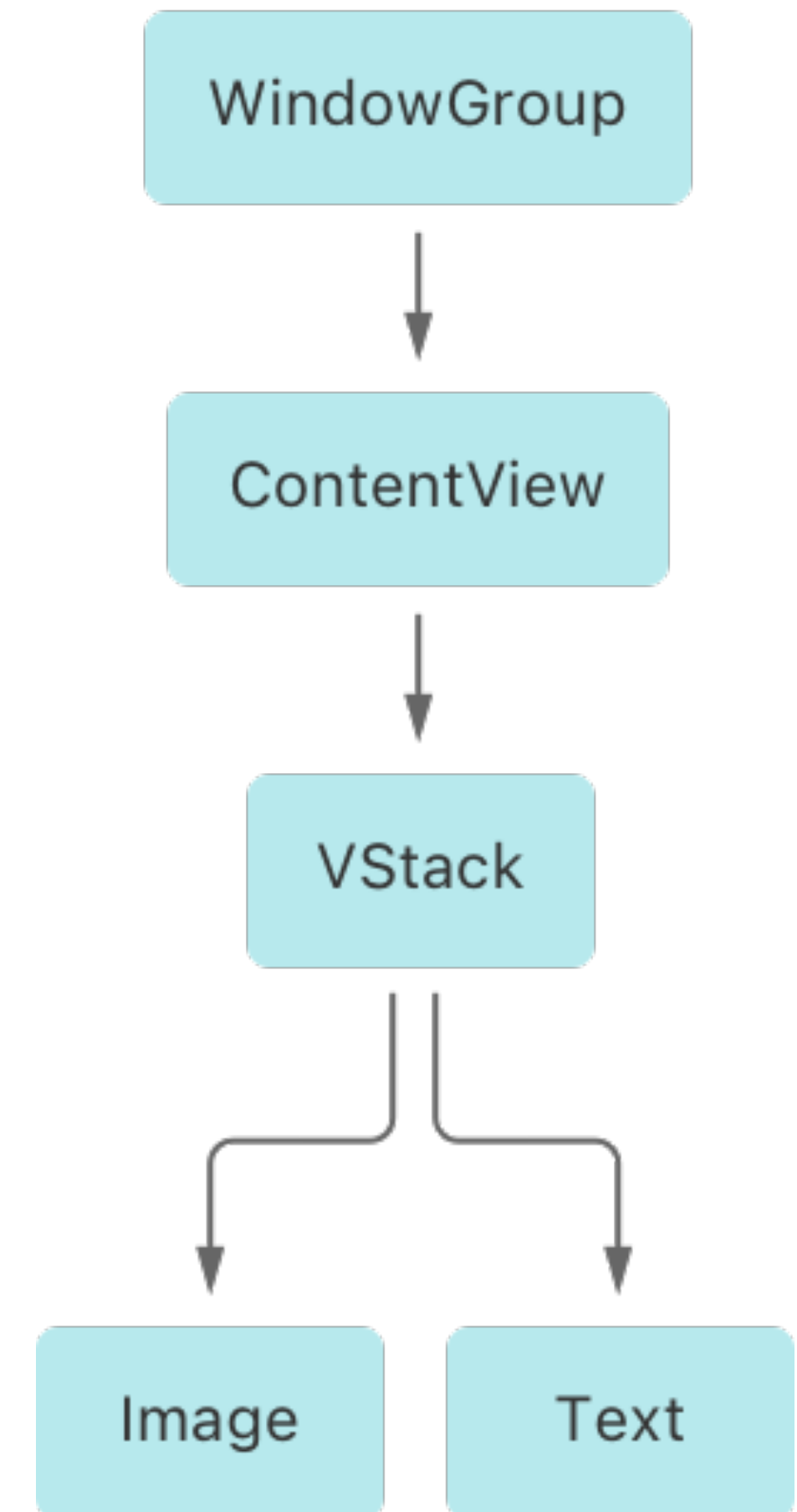
ContentView.swift

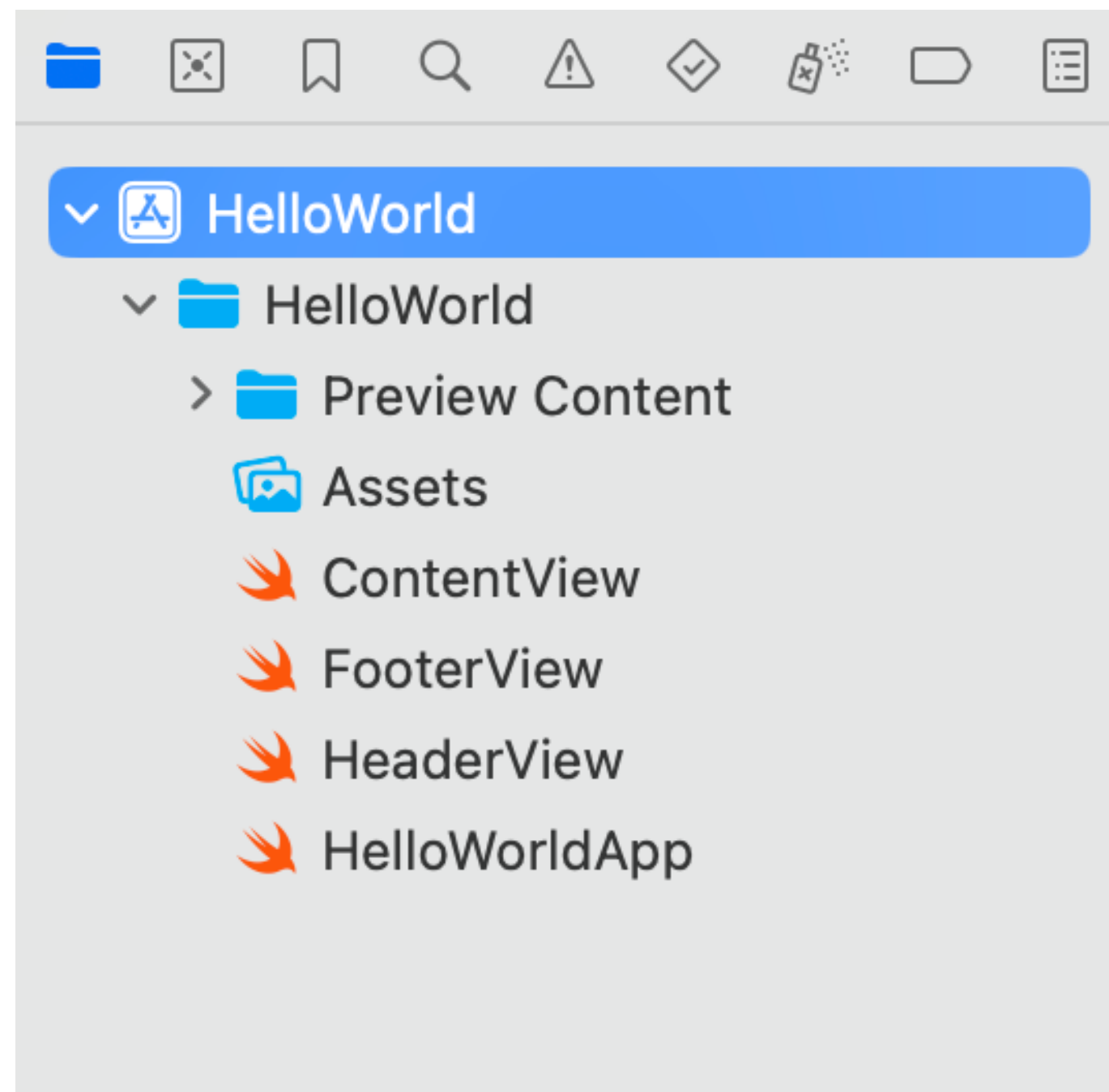
```
import SwiftUI

struct ContentView: View {
    var body: some View {
        VStack {
            Image(systemName: "globe")
                .imageScale(.large)
                .foregroundStyle(.tint)
            Text("Hello, world!")
        }
        .padding()
    }
}

#Preview {
    ContentView()
}
```

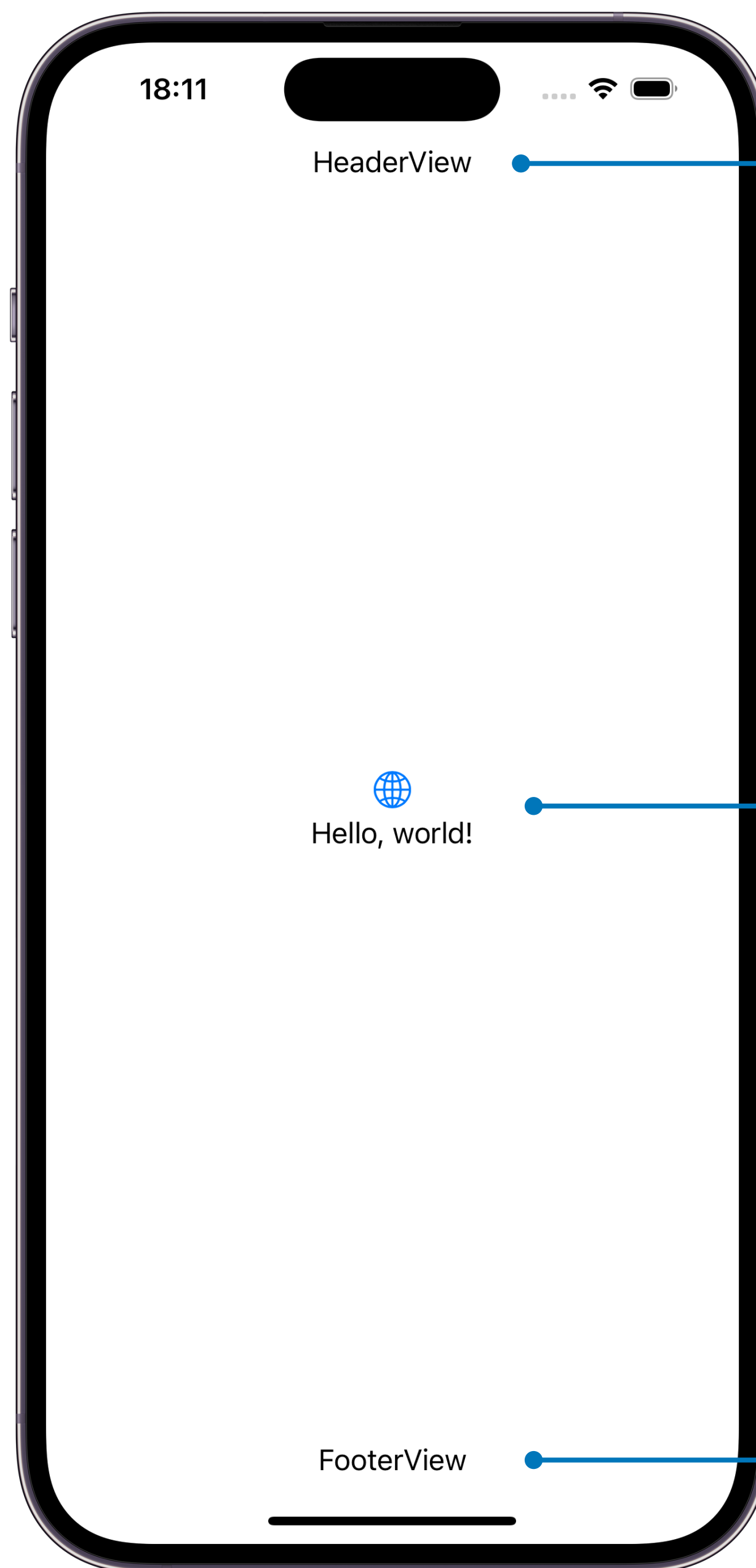
App structure





```
import SwiftUI

@main
struct HelloWorldApp: App {
    var body: some Scene {
        WindowGroup {
            HeaderView()
            ContentView()
            FooterView()
        }
    }
}
```



```
struct HeaderView: View {
    var body: some View {
        Text("HeaderView")
        Spacer()
    }
}
```

```
struct ContentView: View {
    var body: some View {
        VStack {
            Image(systemName: "globe")
                .imageScale(.large)
                .foregroundStyle(.tint)
            Text("Hello, world!")
        }
        .padding()
    }
}
```

```
struct FooterView: View {
    var body: some View {
        Spacer()
        Text("FooterView")
    }
}
```

Shape



```
Rectangle()  
  .fill(.gray)  
  .frame(width: 150, height: 150)
```



```
RoundedRectangle(cornerRadius: 25)  
  .fill(.red)  
  .frame(width: 150, height: 150)
```



```
UnevenRoundedRectangle(cornerRadius: .init(topLeading: 20, topTrailing: 20))  
  .fill(.orange)  
  .frame(width: 150, height: 150)
```



```
Capsule()  
  .fill(.green)  
  .frame(width: 100, height: 45)
```



```
Ellipse()  
  .fill(.blue)  
  .frame(width: 100, height: 50)
```



```
Circle()  
  .fill(.brown)  
  .frame(width: 100, height: 50)
```

Image("image name")



```
Image("myPicture")  
  .resizable()  
  .aspectRatio(contentMode: .fit)  
  .frame(width: 200, height: 200)  
  .overlay(Rectangle().stroke(.gray, lineWidth: 4))
```



```
Image("myPicture")  
  .resizable()  
  .aspectRatio(contentMode: .fill)  
  .frame(width: 200, height: 200)  
  .overlay(Rectangle().stroke(.gray, lineWidth: 4))
```



```
Image("myPicture")  
  .resizable()  
  .aspectRatio(contentMode: .fill)  
  .frame(width: 200, height: 200)  
  .overlay(Rectangle().stroke(.gray, lineWidth: 4))  
  .clipped()
```

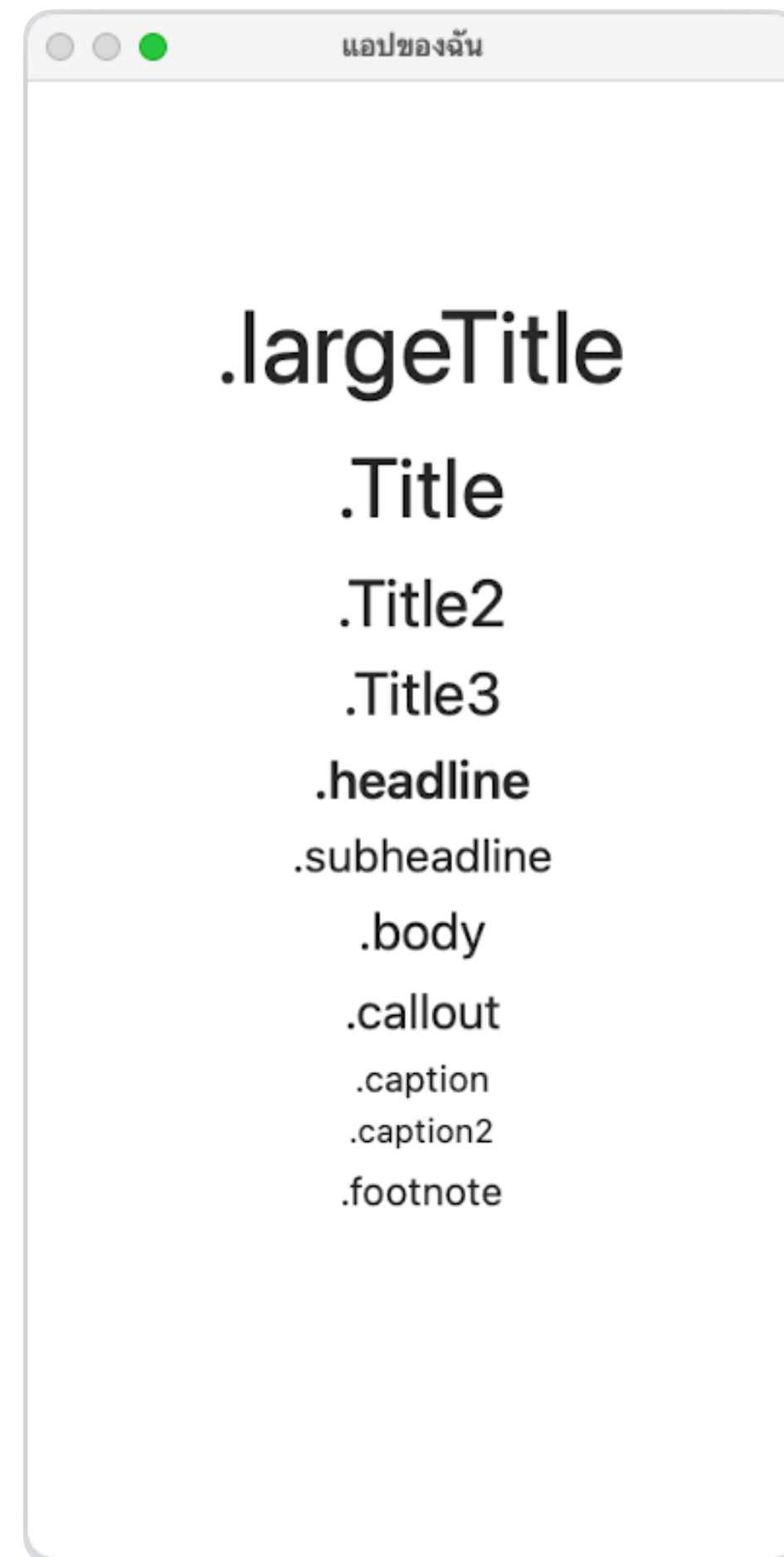


```
Image("myPicture")  
  .resizable()  
  .scaledToFill()  
  .frame(width: 200 , height: 200)  
  .clipShape(Circle())  
  .overlay{Circle().stroke(.white, lineWidth: 4)}  
  .shadow(radius: 7)
```

Text("your message")

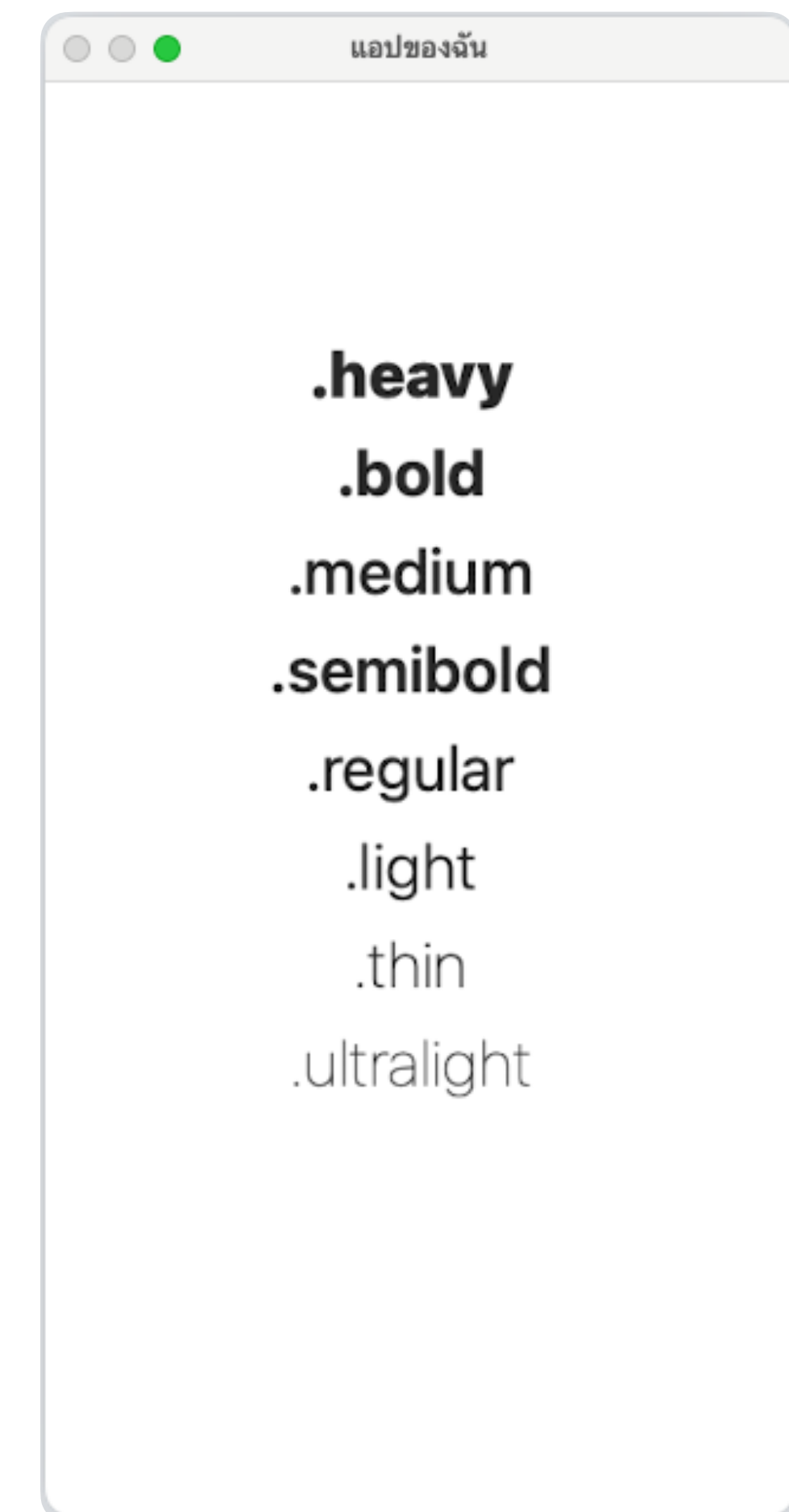
Dynamic Type

```
.font(.largeTitle)
```



Font weight

```
.fontWeight(.bold)
```



Font Size

```
Text("font size")  
  .font(.system(size: 64, weight: .regular, design: .default))
```

Font Color

```
VStack {  
  Text("font color – foregroundColor")  
    .foregroundColor(.blue)  
  
  Text("font color – foregroundStyle")  
    .foregroundStyle(.foreground)  
} .foregroundColor(.red)
```

Insert Web Link

```
Text("For more information visit our \ \(Text("[website](https://example.com)").underline())")
```

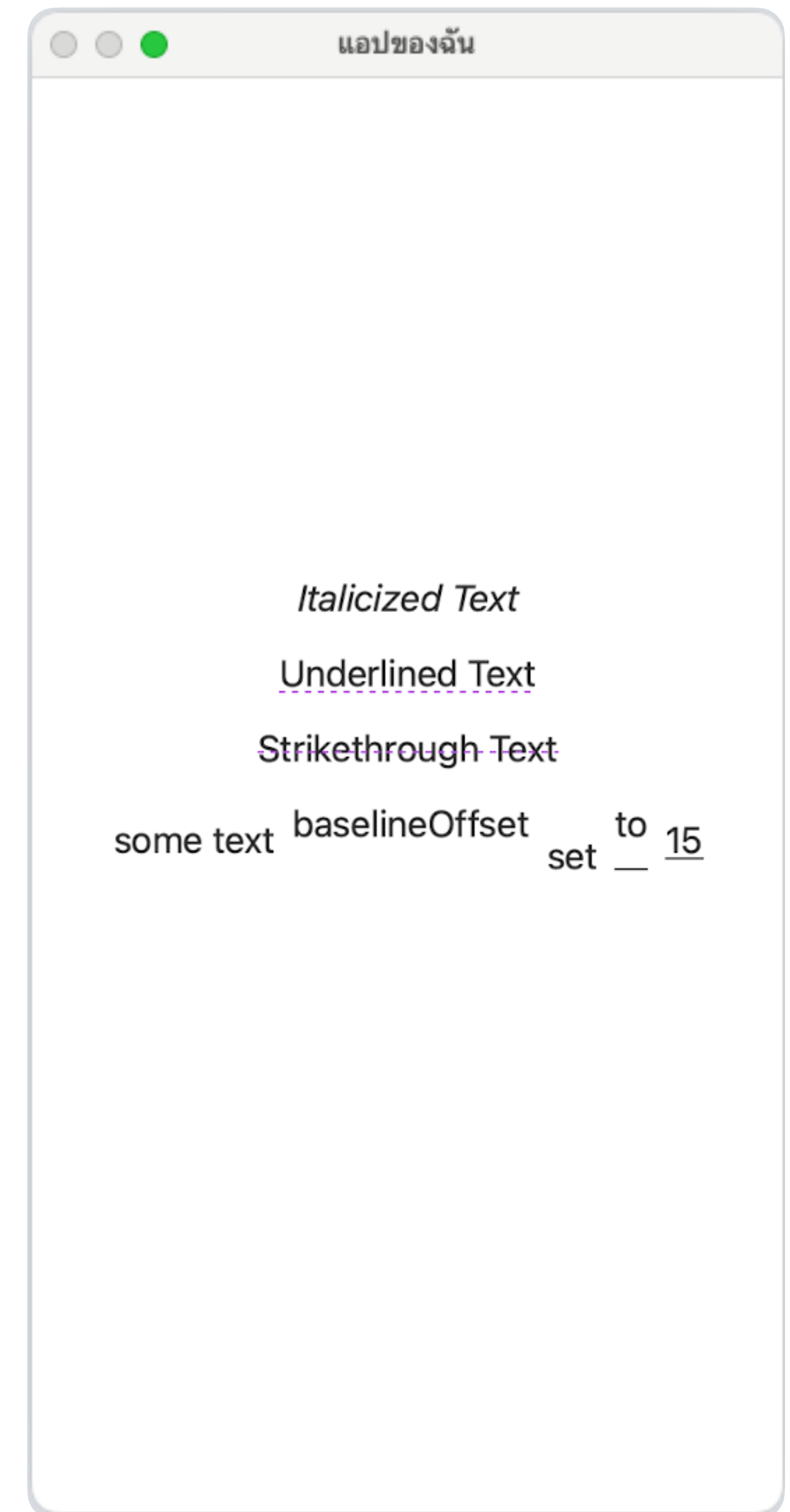
```

VStack (spacing: 10) {

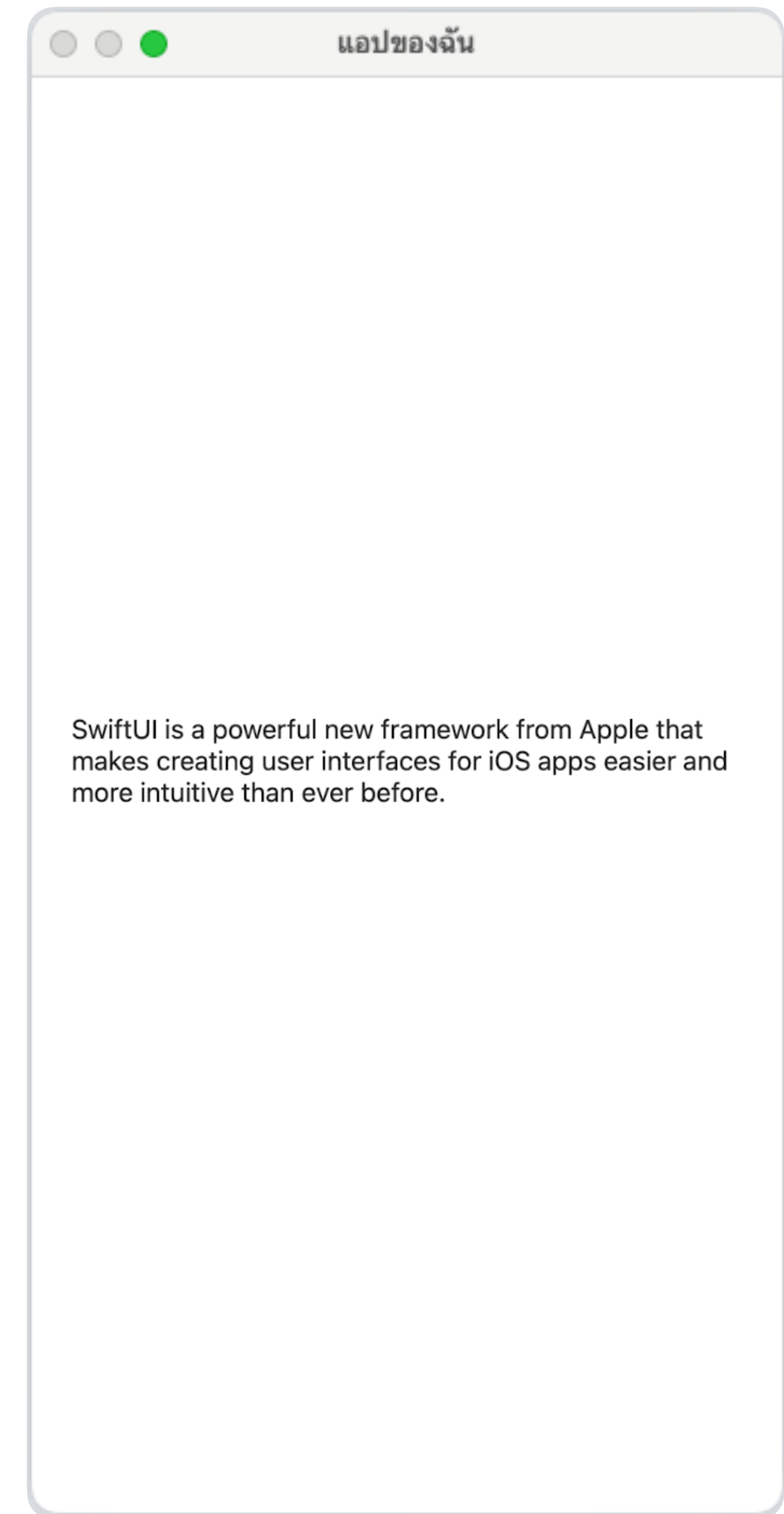
    Text("Italicized Text")
        .italic()
    Text("Underlined Text")
        .underline(pattern: .dot, color: .accentColor)
    Text("Strikethrough Text")
        .strikethrough(pattern: .dot, color: .accentColor)

    HStack{
        Text("some text")
        Text("baselineOffset").baselineOffset(15)
        Text("set").baselineOffset(-15)
        Text("to").baselineOffset(15).underline()
        Text("15").underline()
    }
}

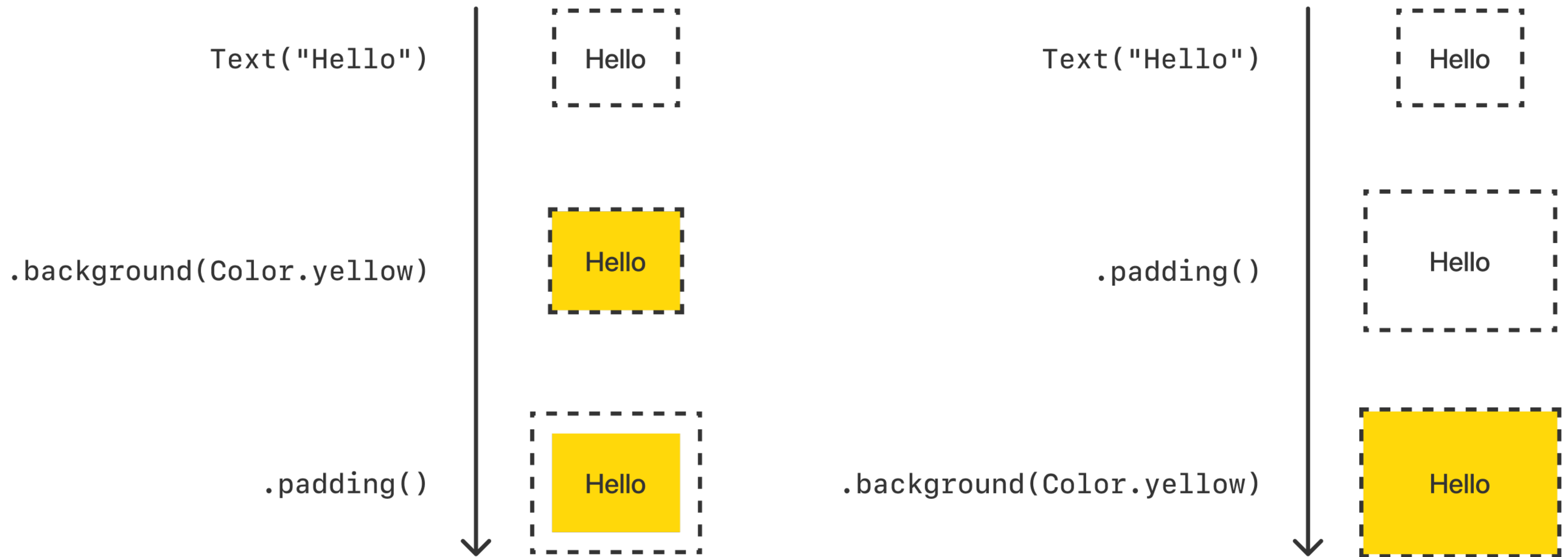
```



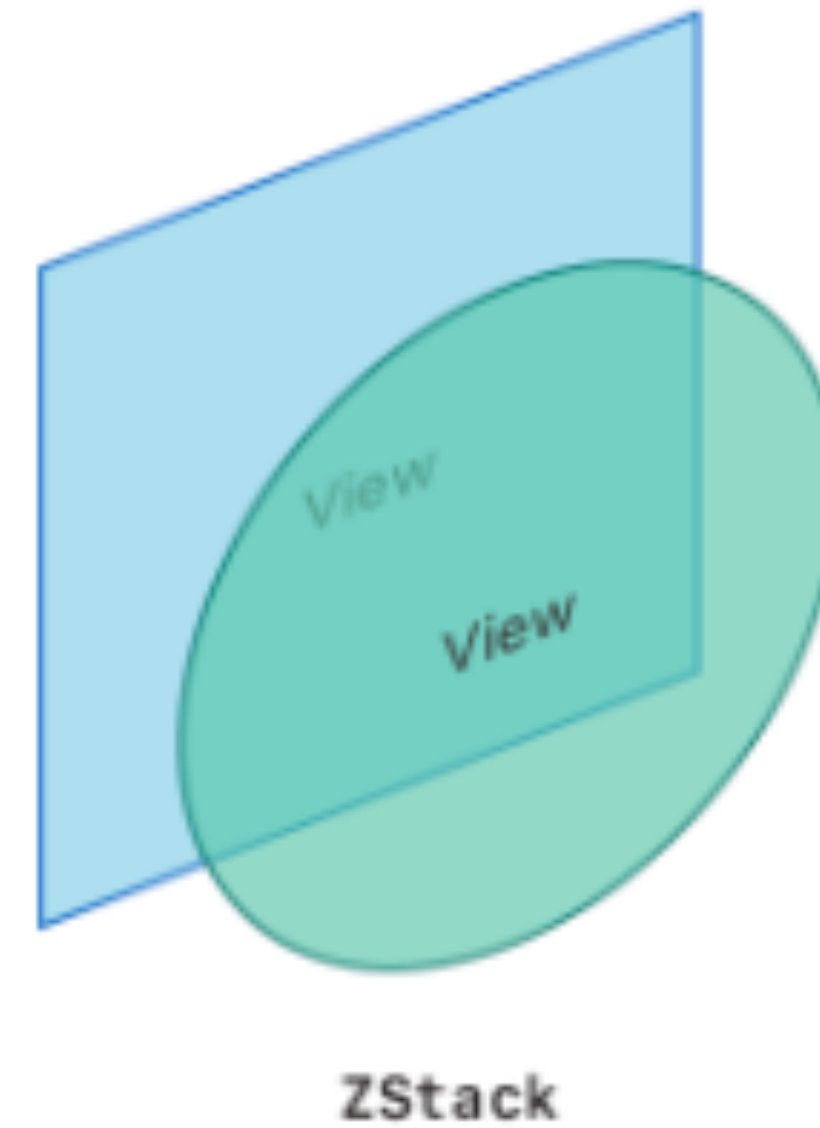
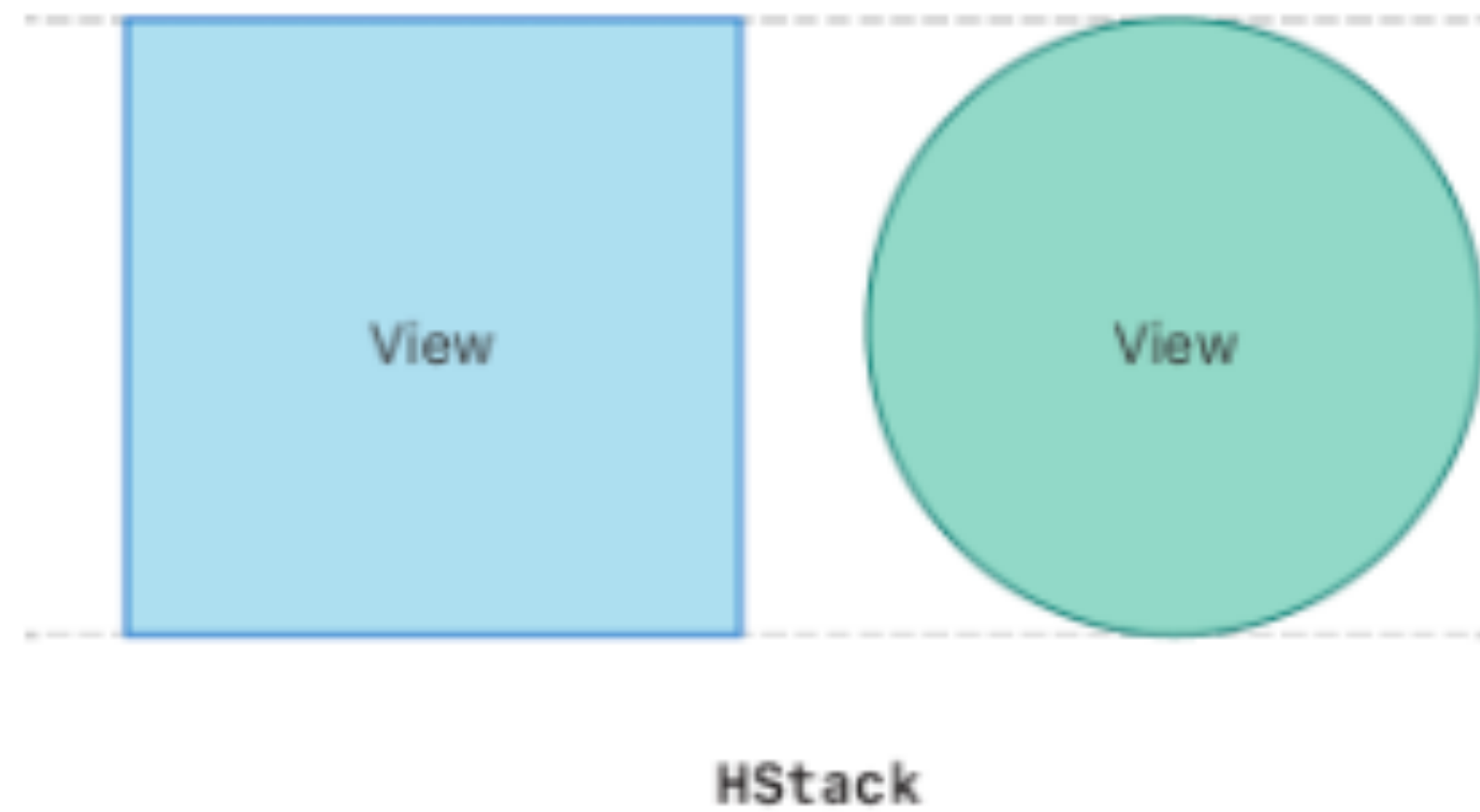
```
Text("SwiftUI is a powerful new framework from  
Apple that makes creating user interfaces for iOS  
apps easier and more intuitive than ever before.")  
    .multilineTextAlignment(.leading)  
    .font(.system(size: 16))  
    .lineLimit(3)  
    .padding()
```

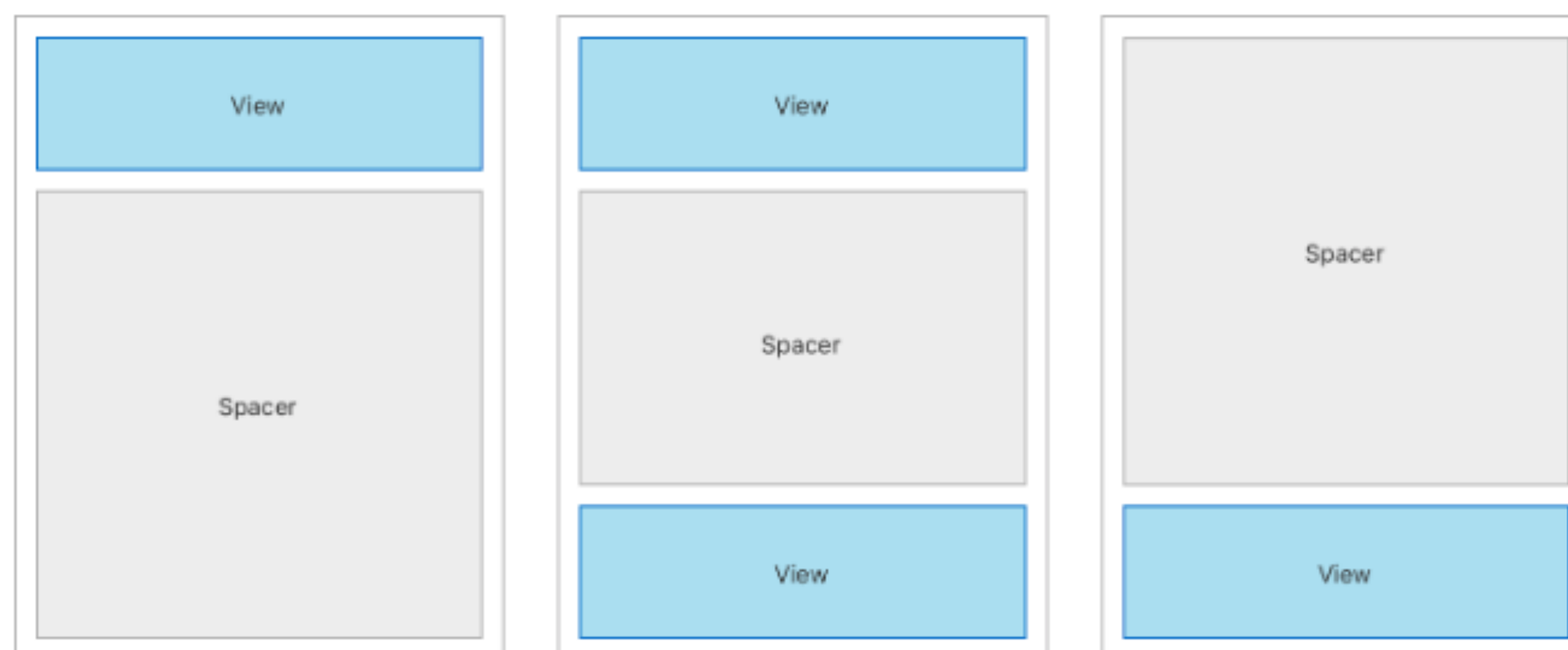
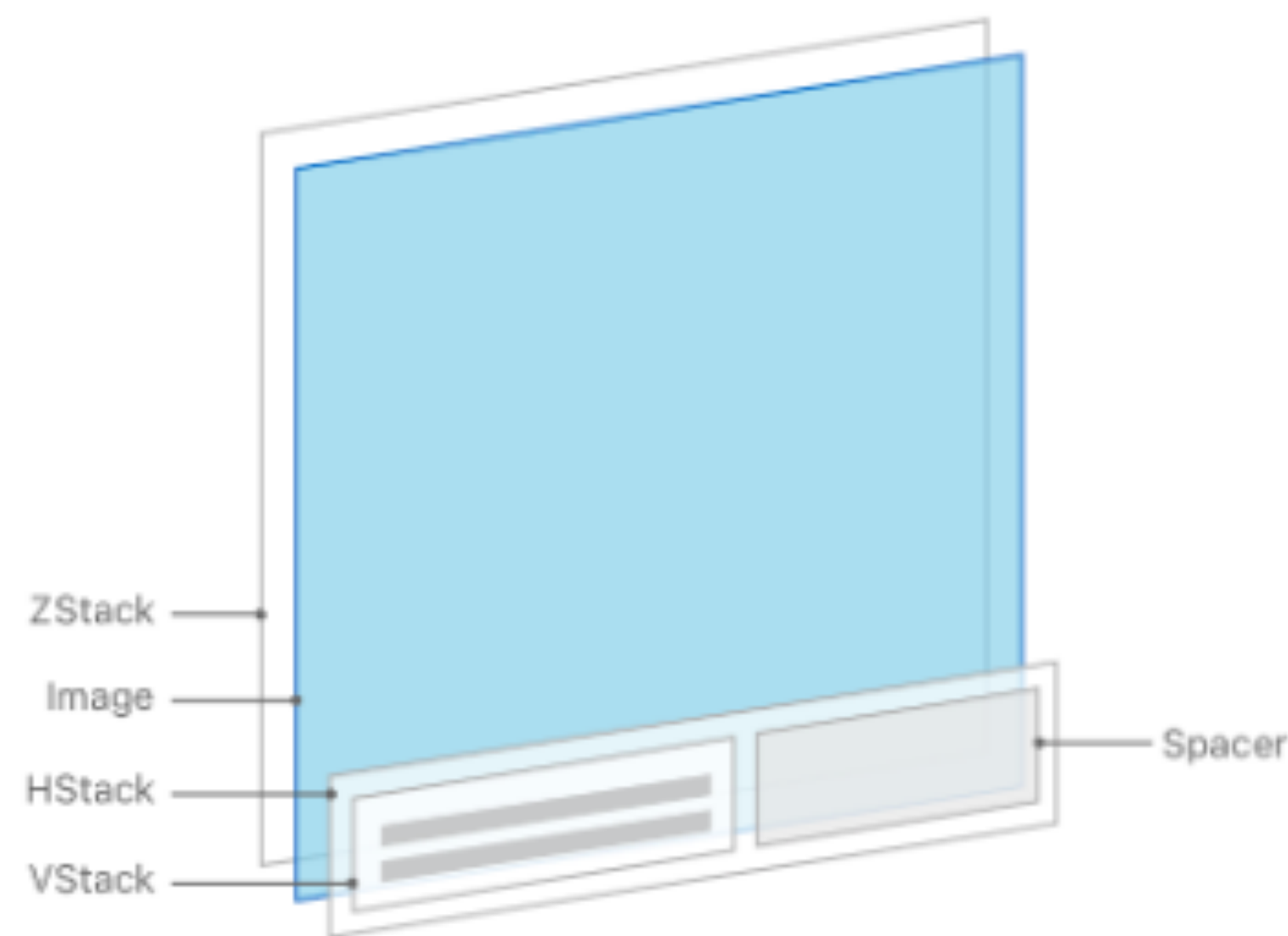
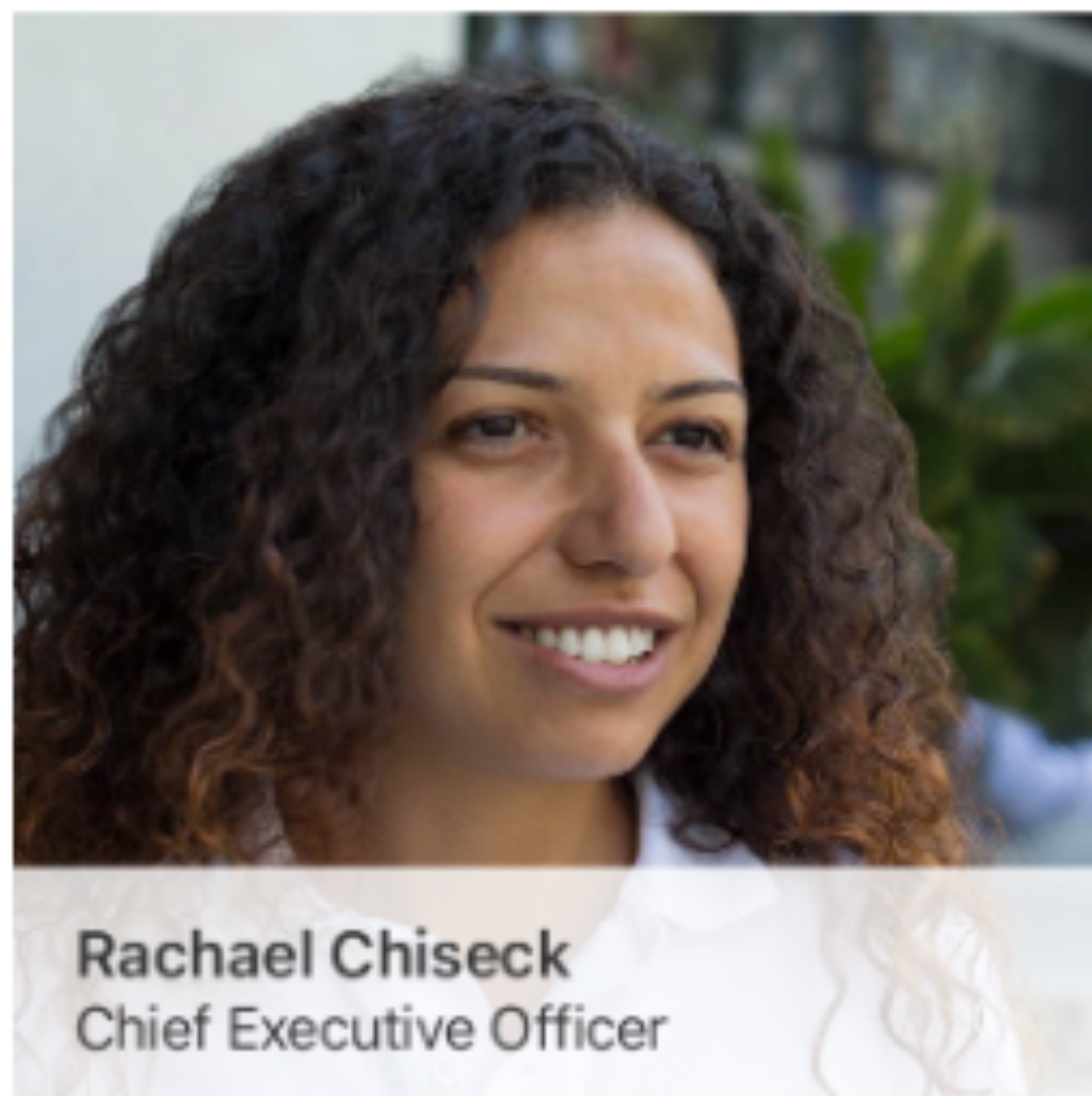


The sequence of modifiers in your code.

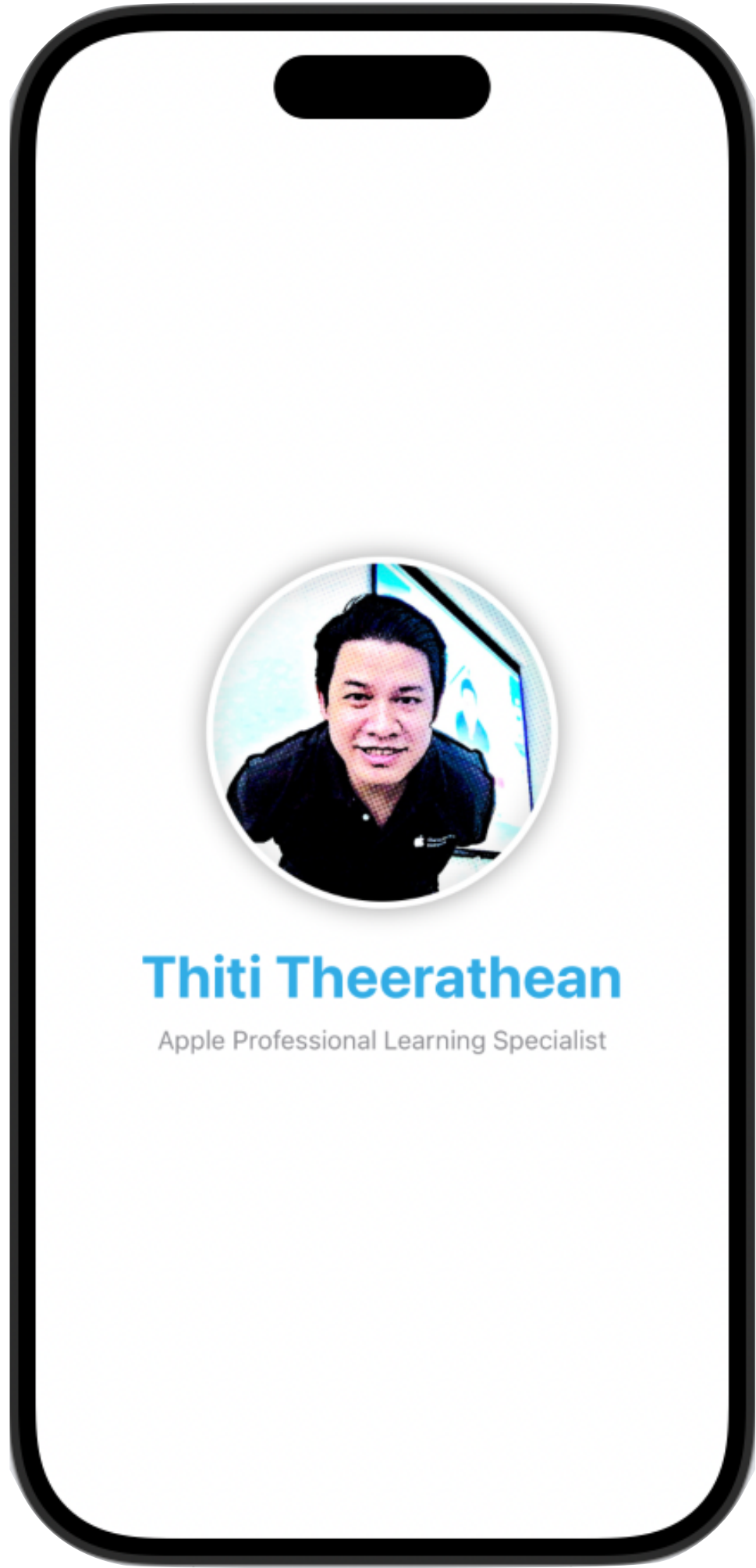


Layout : VStack , HStack and ZStack

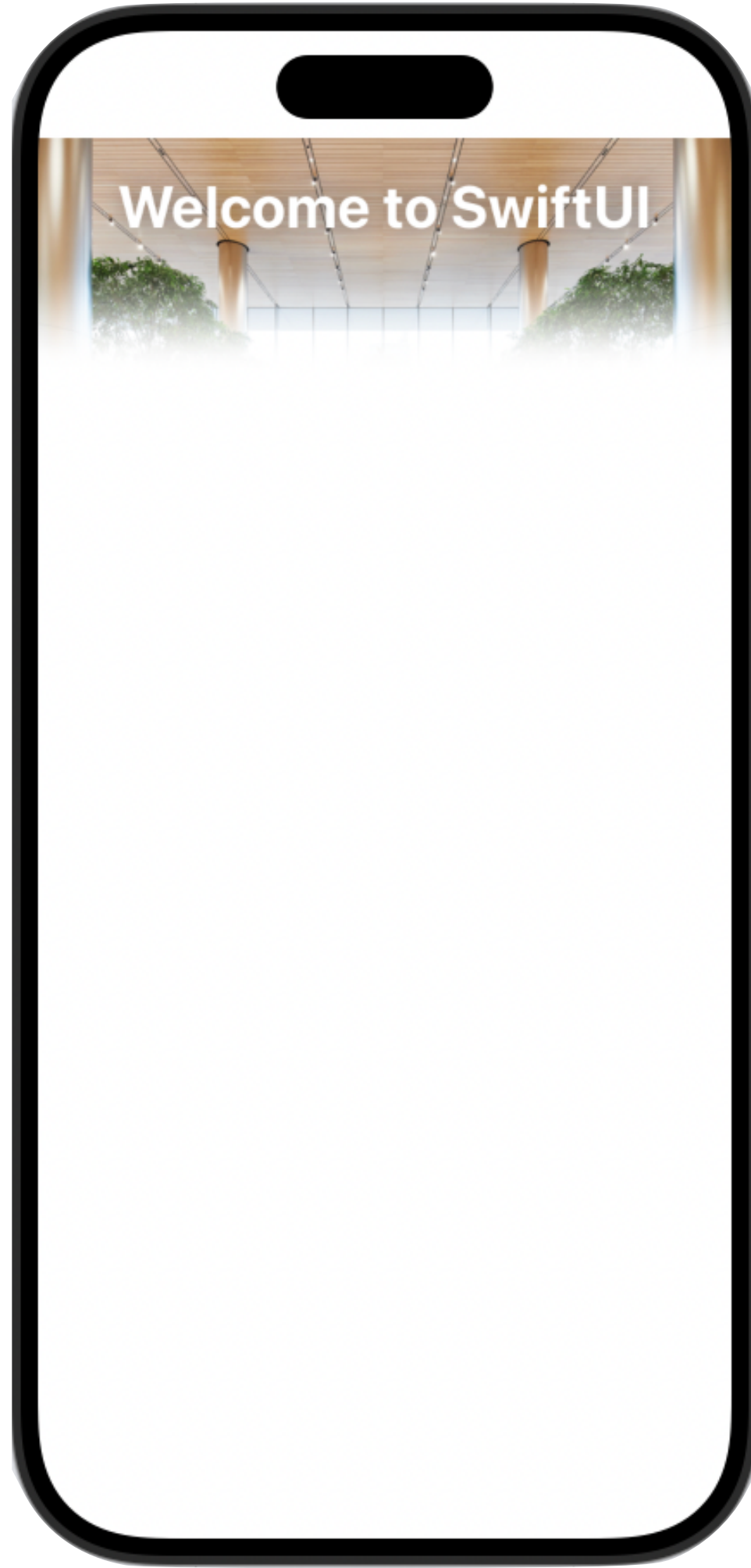




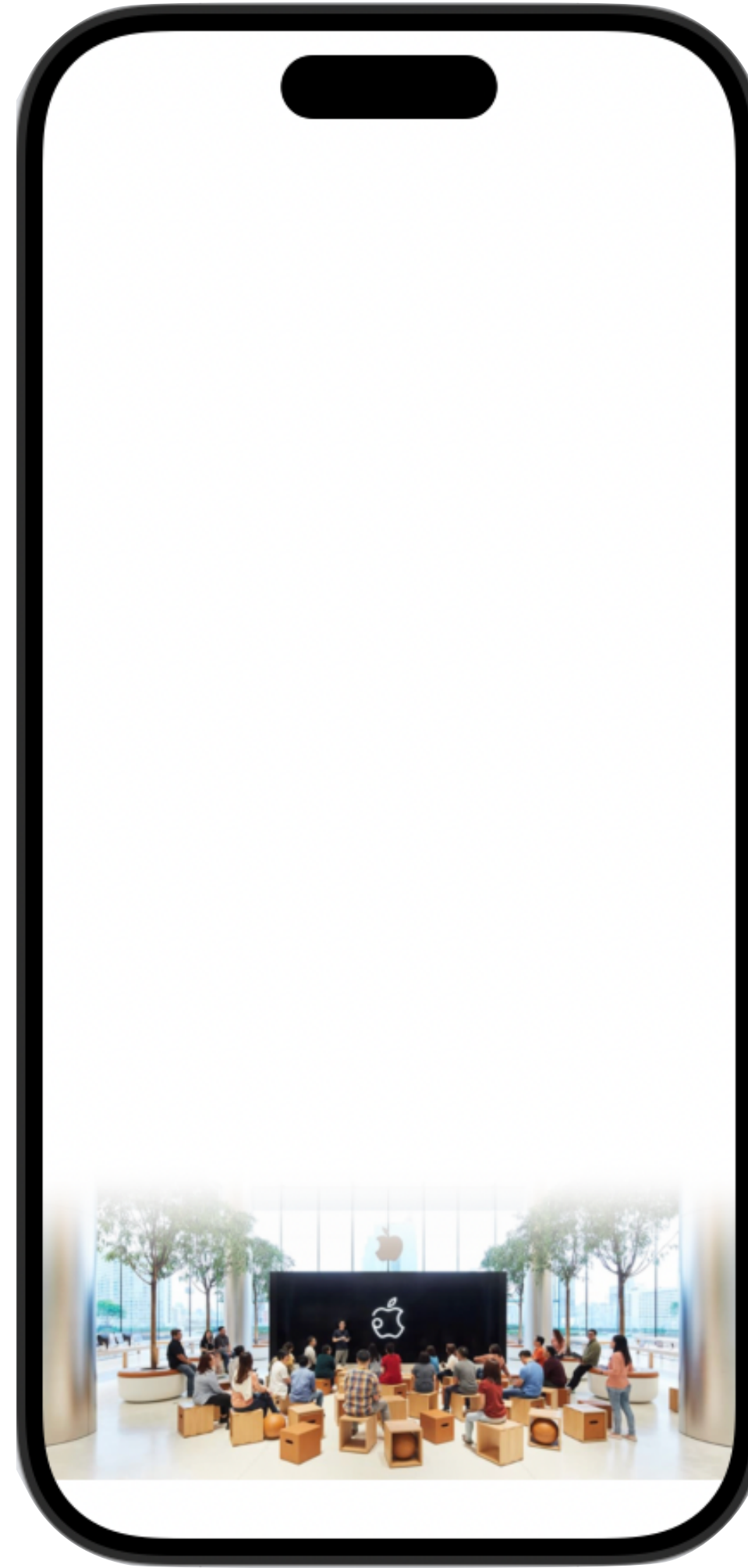
```
struct ProfileView: View {
    var body: some View {
        ZStack(alignment: .bottom) {
            Image("ProfilePicture")
                .resizable()
                .aspectRatio(contentMode: .fit)
            HStack {
                VStack(alignment: .leading) {
                    Text("Rachael Chiseck")
                        .font(.headline)
                    Text("Chief Executive Officer")
                        .font(.subheadline)
                }
                Spacer()
            }
        }
        .padding()
        .foregroundColor(.primary)
        .background(Color.primary
                    .colorInvert()
                    .opacity(0.75))
    }
}
```



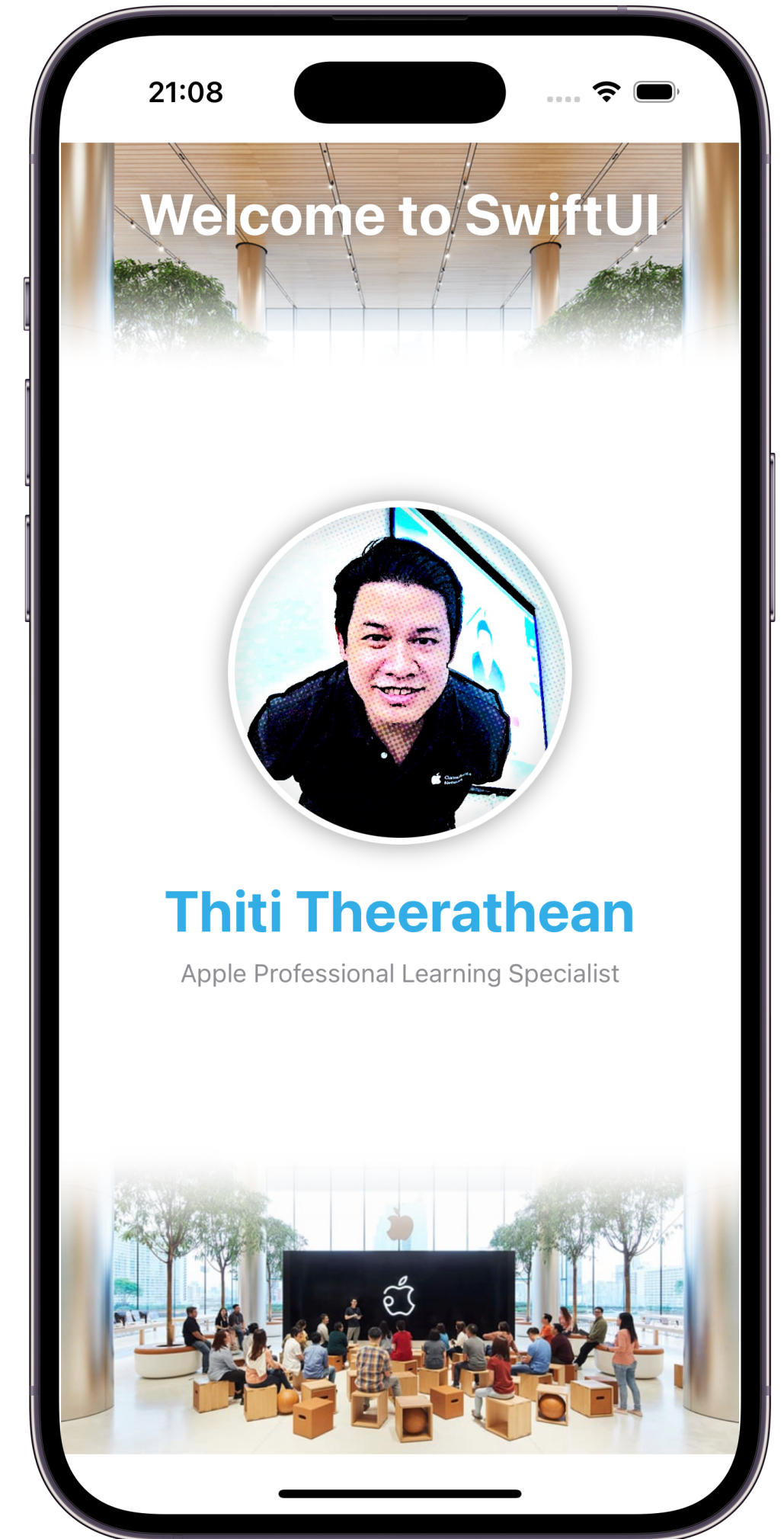
ContentView



HeaderView



FooterView



⌵ HelloWorld

⌵ HelloWorld

> Preview Content

Assets

ContentView

FooterView

HeaderView

HelloWorldApp

⌵ HelloWorld > HelloWorld > ContentView > No Selection

7

8 import SwiftUI

9

10 struct ContentView: View {

11 var body: some View {

12 VStack {

13 Image("myPicture")

14 .resizable()

15 .scaledToFill()

16 .frame(width: 200 , height: 200)

17 .clipShape(Circle())

18 .overlay{Circle().stroke(.white, lineWidth: 4)}

19 .shadow(radius: 7)

20

21 Text("Thiti Theerathean")

22 .font(.largeTitle)

23 .fontWeight(.bold)

24 .foregroundColor(.cyan)

25

26 Text("Apple Professional Learning Specialist")

27 .font(.subheadline)

28 .foregroundColor(.gray)

29 }.padding()

30 }

31 }

32

33 #Preview {

34 ContentView()

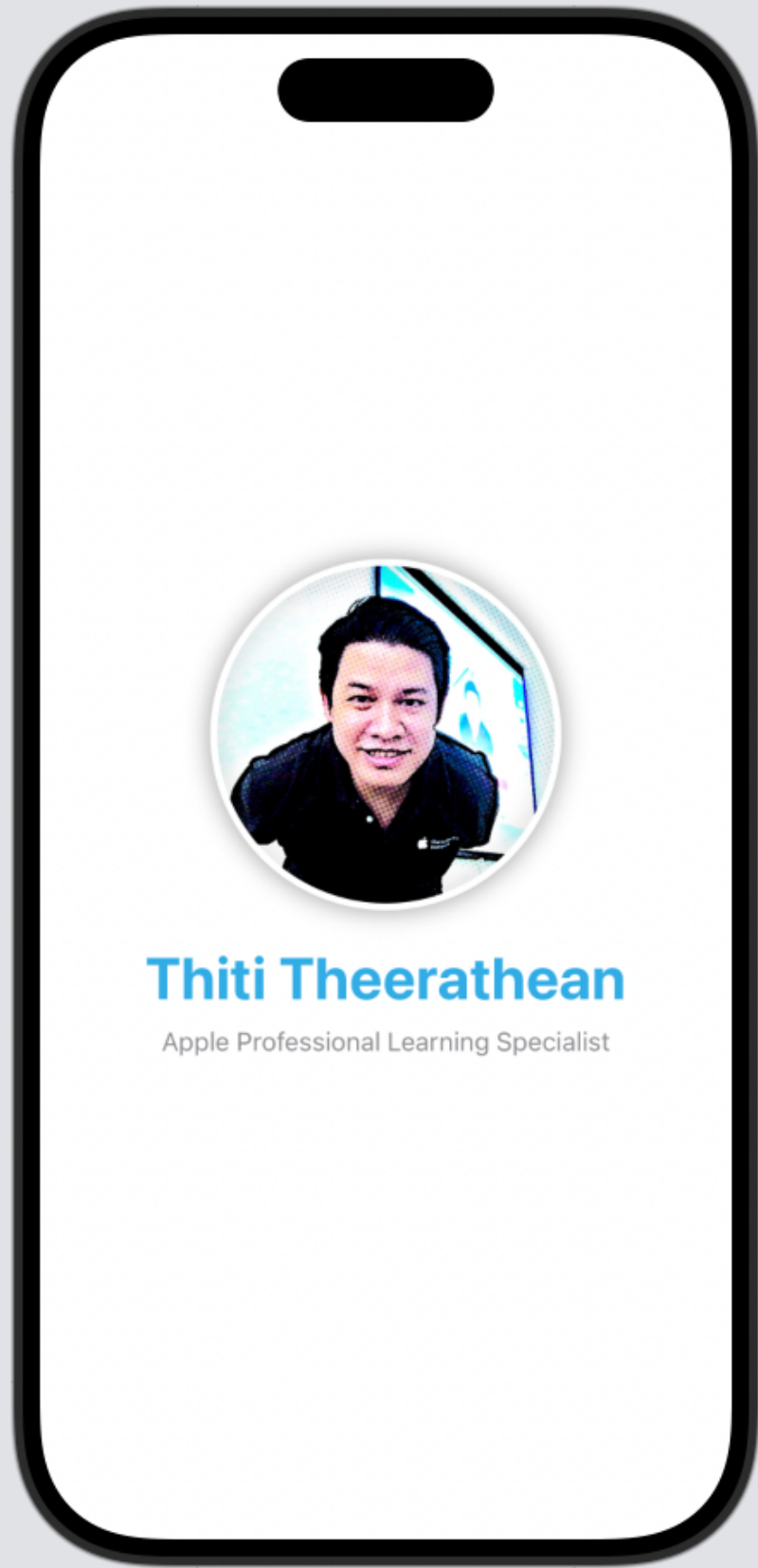
35 }

36

37

📌

ContentView



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🔍

🔍

Line: 38 Col: 1

📄

 Consultants Network

Create by : Aj.Thiti Theerathean

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▼ HelloWorld

▼ HelloWorld

> Preview Content

Assets

ContentView

FooterView

HeaderView

HelloWorldApp

HelloWorldApp | ContentView | HeaderView | FooterView

HelloWorld > HelloWorld > HeaderView > No Selection

```
4 //
5 // Created by Thiti Theeratthan on 4/10/2567 BE.
6 //
7
8 import SwiftUI
9
10 struct HeaderView: View {
11     var body: some View {
12         ZStack (alignment: .top) {
13             Image("header")
14                 .resizable()
15                 .scaledToFit()
16
17             Text("Welcome to SwiftUI")
18                 .font(.largeTitle)
19                 .fontWeight(.bold)
20                 .foregroundColor(.white)
21                 .shadow(radius: 7)
22                 .padding(.top, 15)
23         }
24
25         Spacer()
26     }
27 }
28
29 #Preview {
30     HeaderView()
31 }
32
33
34
```

HeaderView

Welcome to SwiftUI

Line: 37 Col: 1

Consultants Network

Create by : Aj.Thiti Theeratthan

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คำถามเพื่อการสะท้อนผลการเรียนรู้จากการทำกิจกรรม

1. อธิบายคำว่า **View** ใน SwiftUI แตกต่างจากความหมายของ “หน้าจอ” หรือ “วิดเจ็ต” ในเฟรมเวิร์กแบบเดิมอย่างไร และเหตุใดจึงกล่าวได้ว่า View ใน SwiftUI เป็น คำอธิบายเชิงโครงสร้าง ของ UI ไม่ใช่วัตถุที่ถูกควบคุมโดยตรง ?
2. การออกแบบ View ให้รับข้อมูลจากภายนอกช่วยให้โค้ดมีความยืดหยุ่นและนำกลับมาใช้ซ้ำได้อย่างไร ?
3. การแยกบทบาทระหว่าง View (โครงสร้าง) และ Modifier (คุณลักษณะ) ช่วยให้การออกแบบ UI ง่ายขึ้นอย่างไร ?
4. อธิบายความหมายของ **View Hierarchy** ใน SwiftUI ได้อย่างไร ?
5. หากต้องออกแบบหน้าจอที่มีความซับซ้อนมากขึ้น ผู้เรียนคิดว่าควรเริ่มต้นจากการออกแบบโครงสร้าง View อย่างไร ?