

MapKit

Making pins on a map



iPhone 12 Pro
iOS 15.4



5:16



Hualien Explorer



Hello, world!

步驟一

```
7
8 import SwiftUI
9 import MapKit
10
11 struct Location: Identifiable {
12     let id = UUID()
13     let name: String
14     let coordinate: CLLocationCoordinate2D
15 }
16
17 struct ContentView: View {
18     @State private var mapRegion = MKCoordinateRegion(center:
19         CLLocationCoordinate2D(latitude: 23.98, longitude: 121.60),
20         span: MKCoordinateSpan(latitudeDelta: 0.2, longitudeDelta:
21         0.2))
22
23     var body: some View { ... }
24
43 }
```

步驟二

```
8 import SwiftUI
9 import MapKit
10
11 struct Location: Identifiable {
12     let id = UUID()
13     let name: String
14     let coordinate: CLLocationCoordinate2D
15 }
16
17 struct ContentView: View {
18     @State private var mapRegion = MKCoordinateRegion(center:
19         CLLocationCoordinate2D(latitude: 23.98, longitude: 121.60),
20         span: MKCoordinateSpan(latitudeDelta: 0.2, longitudeDelta:
21             0.2))
22
23     var body: some View { ... }
24 }
43 }
```

步驟三

```
20     var body: some View {
21
22         let locations = [
23             Location(name: "火車站", coordinate:
                CLLocationCoordinate2D(latitude: 23.9927, longitude:
                121.6014)),
24             Location(name: "吉安農會", coordinate:
                CLLocationCoordinate2D(latitude: 23.9720, longitude:
                121.5626))
25         ]
26         NavigationView {...}
40         Text("Hello, world!")
41             .padding()
42     }
```

步驟四

```
26     NavigationView {
27         Map(coordinateRegion: $mapRegion, annotationItems:
28             locations) { location in
29             MapAnnotation(coordinate: location.coordinate) {
30                 NavigationLink {
31                     Text(location.name)
32                 } label: {
33                     Circle()
34                         .stroke(.red, lineWidth: 3)
35                         .frame(width: 22, height: 22)
36                 }
37             }
38         .navigationTitle("Hualien Explorer")
39     }
40     Text("Hello, world!")
41     .padding()
```

```
        Map(coordinateRegion: $mapRegion, annotationItems:
locations) { location in
            MapAnnotation(coordinate: location.coordinate) {
                NavigationLink {
                    Text(location.name)
                } label: {
                    Circle()
                        .stroke(.red, lineWidth: 3)
                        .frame(width: 22, height: 22)
                }
            }
        }
    }
    .navigationTitle("Hualien Explorer")
```

