

SwiftUI

UserJSON
Hello World
Pokedex

Jiann-Ming Wu

The image shows a video player displaying a MATLAB demonstration. The video content includes:

- Editor Window:** A MATLAB script named `demo_table_segmentation.m` with the following code:

```
3 - clc
4 - close all
5
6 - demo_table_se
7 - problem = sel
8 - demo_table_se
9 - pause(3)
10 - end
11
```
- Command Window:** The following text is visible:

```
save_str =
    "save mat/temp
preparing patches.
calculate contrast
detect object bou
```
- Figure Window:** A window titled "Figure 3" displays a photograph of a red and black Spider-Man figurine on a wooden surface. The window title bar includes standard OS controls and a toolbar with icons for zooming and navigating.
- Background:** The MATLAB interface shows a menu bar (File, Edit, View, Insert, Tools, Desktop, Window, Help) and a toolbar with icons for file operations and navigation.

The video player interface at the bottom shows a progress bar at 1:40 / 2:44 and various control icons (play, pause, volume, full screen, etc.).



Xcode



Welcome to Xcode

Version 12.4 (12D4e)

-  **Create a new Xcode project**
Create an app for iPhone, iPad, Mac, Apple Watch, or Apple TV.
 -  **Clone an existing project**
Start working on something from a Git repository.
 -  **Open a project or file**
Open an existing project or file on your Mac.
- Show this window when Xcode launches

New a project

-  **userJSON**
~/Desktop/swift_2019_2020
-  **PokedexSwiftUI**
~/Desktop/swift_2019_2020
-  **Pokemon_test**
~/Desktop/swift_2019_2020
-  **WebViewSwiftUI**
~/Desktop/swift_2019_2020
-  **MyPlaygroundTest**
~/Desktop/Jiann-Ming Wu/2021-II SWIFT
-  **GuidedTour-2**
...ng Wu/2021-II SWIFT/excercise playground
-  **MyPlayground_morden**
...ng Wu/2021-II SWIFT/excercise playground
-  **MyPlayground**
...ng Wu/2021-II SWIFT/excercise playground

選擇
APP

Choose a template for your new project:

Multiplatform **iOS** macOS watchOS tvOS Other

Filter

Application



App



Document App



Game



Augmented
Reality App



Sticker Pack App



iMessage App

Framework & Library



Framework



Static Library



Metal Library

Cancel

Previous

Next

No Selection

下一步

輸入
APP名稱

Product Name: FirstAPP

Team: Jiann-Ming Wu

Organization Identifier: ItLab AMNDHU

Bundle Identifier: ItLab-AMNDHU.FirstAPP

Interface: SwiftUI

Life Cycle: SwiftUI App

Language: Swift

Use Core Data

Host in CloudKit

Include Tests

輸入團
隊名稱

選擇
SWIFTUI

Cancel

Previous

Next

No Selection

下一步

File browser window titled "swift_2019_2020" with a search bar and navigation icons.

Today	Date Modified	Size	Kind
userJSON	今天 下午 5:19	--	Folder
PokedexSwiftUI	今天 下午 2:55	--	Folder
Pokemon_test	今天 下午 12:22	--	Folder
Previous 30 Days			
WebViewSwiftUI	2021年2月20日 上午 11:33	--	Folder
ChartSinSwiftUI	2021年2月18日 下午 9:20	--	Folder
waynestalk-master	2021年2月17日 下午 10:50	--	Folder
iDine-main	2021年2月17日 上午 10:09	--	Folder
idine	2021年2月17日 上午 10:08	--	Folder
Text-UI	2021年2月16日 下午 1:28	--	Folder
2020			
test	2020年12月14日 下午 4:03	--	Folder
testside	2020年8月20日 上午 2:03	--	Folder

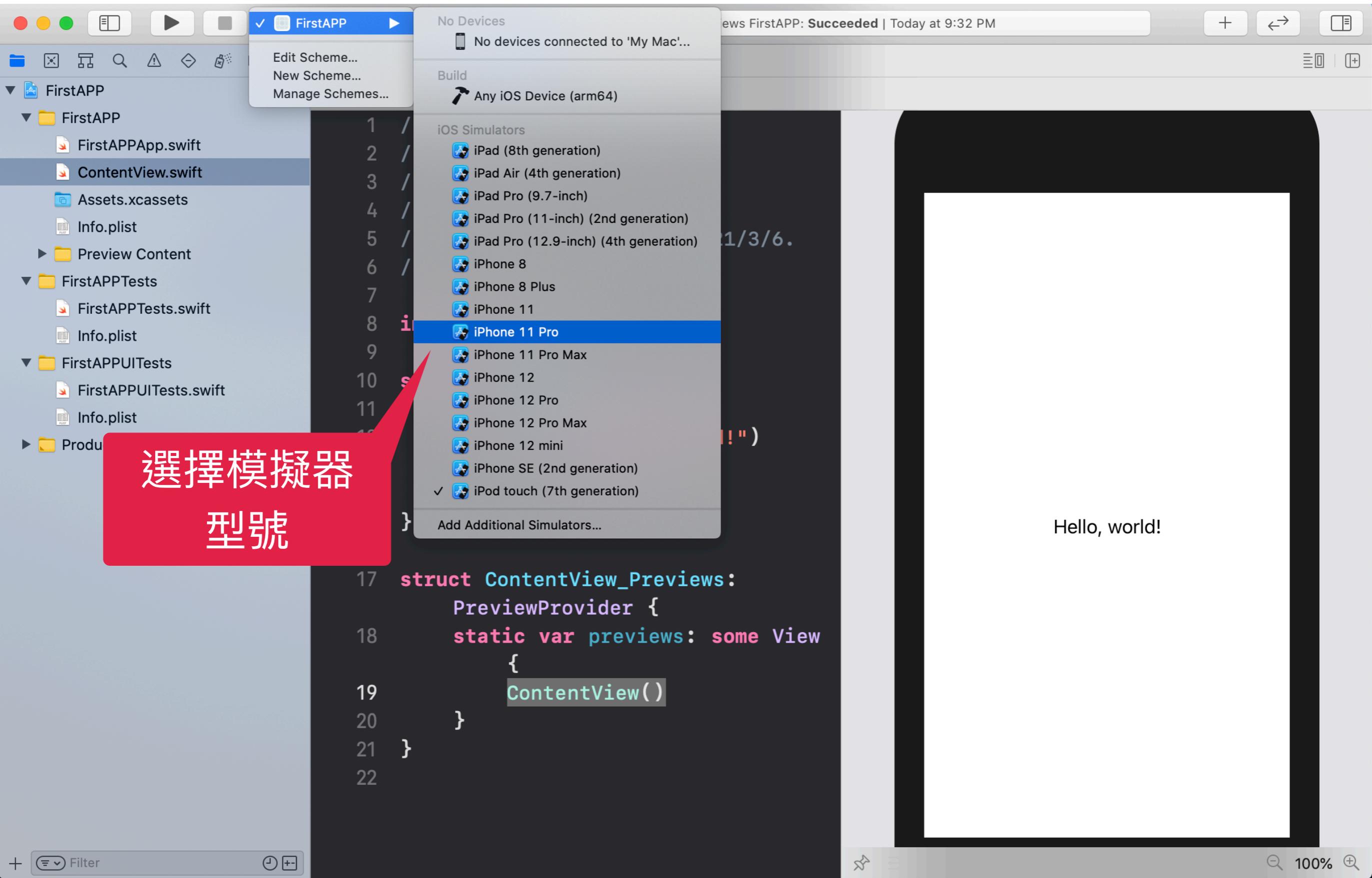
Source Control: Create Git repository on my Mac
Xcode will place your project under source control

Buttons: New Folder, Options, Cancel, Create

Secondary dialog box with buttons: Cancel, Previous, Finish

開啟專案

No Selection



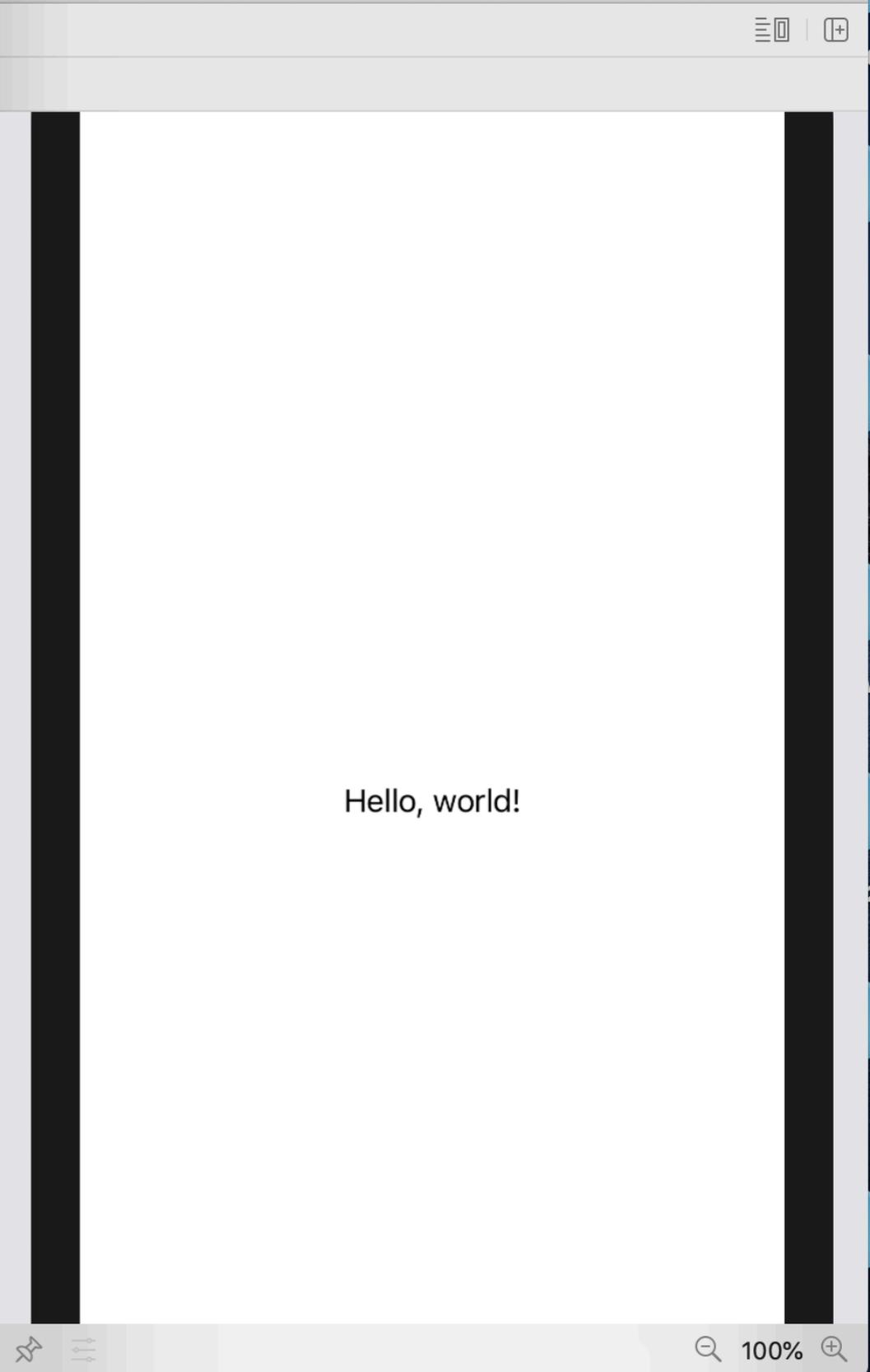
選擇模擬器
型號

```
17 struct ContentView_Previews:
    PreviewProvider {
18     static var previews: some View
        {
19         ContentView()
20     }
21 }
22
```

Hello, world!

- FirstAPP
 - FirstAPP
 - FirstAPPApp.swift
 - ContentView.swift
 - Assets.xcassets
 - Info.plist
 - Preview Content
 - FirstAPPTests
 - FirstAPPTests.swift
 - Info.plist
 - FirstAPPUITests
 - FirstAPPUITests.swift
 - Info.plist
 - Products

```
1 //
2 // ContentView.swift
3 // FirstAPP
4 //
5 // Created by Apple on 2021/3/6.
6 //
7
8 import SwiftUI
9
10 struct ContentView: View {
11     var body: some View {
12         Text("Hello, world!")
13             .padding()
14     }
15 }
16
17 struct ContentView_Previews:
18     PreviewProvider {
19     static var previews: some View
20     {
21         ContentView()
22     }
23 }
```



執行專案

The image shows the Xcode IDE with a Swift file named `ContentView.swift` open. The code defines a SwiftUI `ContentView` struct and a `ContentView_Previews` struct for previews. The preview shows the text "Hello, world!" on a white background. A red callout bubble points to the play button in the top toolbar, and another red callout bubble points to the preview result on the simulator.

```
1 //
2 // ContentView.swift
3 // FirstAPP
4 //
5 // Created by Apple on 2021/3/6.
6 //
7
8 import SwiftUI
9
10 struct ContentView: View {
11     var body: some View {
12         Text("Hello, world!")
13             .padding()
14     }
15 }
16
17 struct ContentView_Previews:
18     PreviewProvider {
19     static var previews: some View
20     {
21         ContentView()
22     }
23 }
```

執行結果

MVVM

Model

View

View Model

```
myJson2024New
main
myJson2024New > my11_pro
Finished running myJson2024New on my11_pro

ContentView
myJson2024New
userModel
userViewModel

myJson2024New > myJson2024New > ContentView > body

2 // ContentView.swift
3 // myJson2024New
4 //
5 // Created by Apple on 2024/3/1.
6 //
7
8 import SwiftUI
9
10 struct ContentView: View {
11     @State var users: [User] = []
12     var body: some View {
13         VStack {
14             Image(systemName: "globe")
15                 .imageScale(.large)
16                 .foregroundColor(.accentColor)
17             List(users) {user in
18                 HStack{
19                     Text(user.username)
```

Model

- New
- Add Files to "FirstAPP"...
- Open...
- Open Recent
- Open Quickly...
- Close Tab
- Close "ContentView.swift"
- Close Editor
- Close Window
- Close Project
- Save
- Duplicate...
- Revert to Saved...
- Unlock...
- Export...
- Show in Finder
- Open in Tab
- Open in New Window
- Open with External Editor
- Swift Packages
- Save As Workspace...
- Project Settings...
- Page Setup...
- Print...

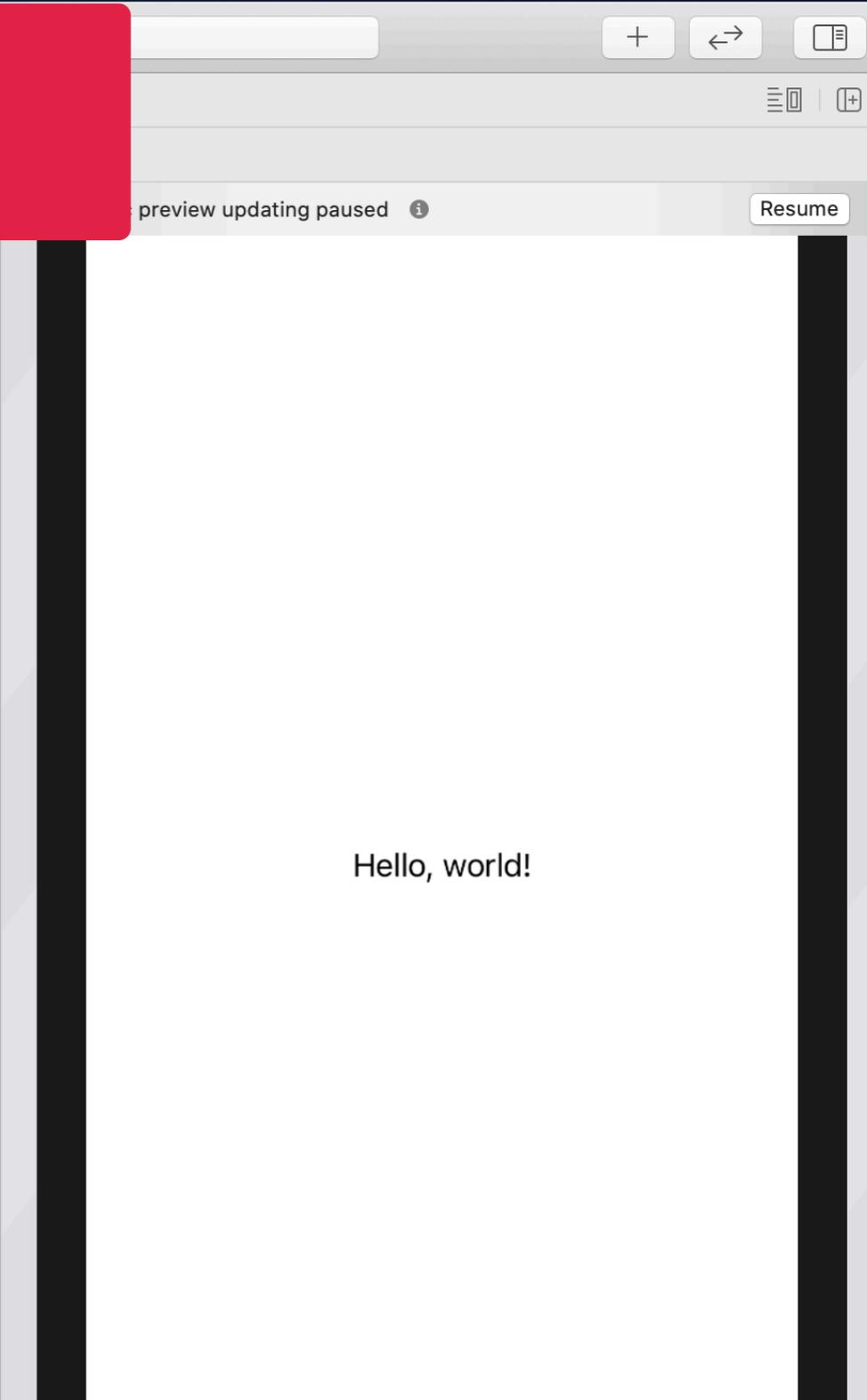
- Editor
- Editor Below
- Window Tab
- Window
- File...
- Target...
- Playground...
- Project...
- Swift Package...
- Workspace...
- Group
- Group without Folder
- Group from Selection

新增檔案

```

8 import SwiftUI
9
10 struct ContentView: View {
11     var body: some View {
12         Text("Hello, world!")
13             .padding()
14     }
15 }
16
17 struct ContentView_Previews:
18     PreviewProvider {
19     static var previews: some View
20     {
21         ContentView()
22     }
23 }

```



選擇swift檔案

Choose a template for your new source file

iOS macOS watchOS Filter

Source

- Swift File
- Cocoa Touch Class
- UI Test Case Class
- Unit Test Case Class
- Objective-C File
- Header File
- IIG File
- C File
- C++ File
- Metal File

User Interface

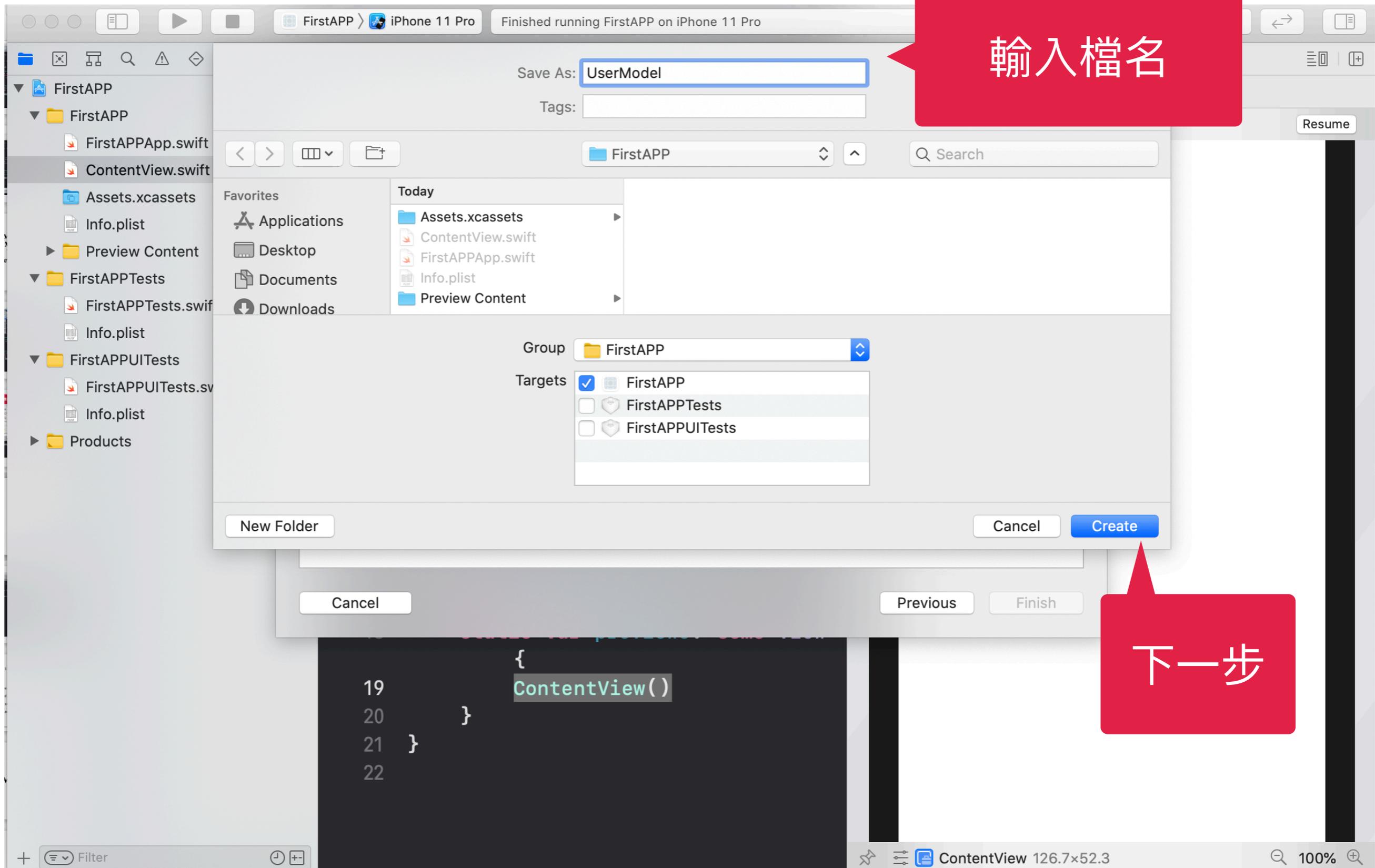
- SwiftUI View
- Storyboard
- View
- Empty
- Launch Screen

Cancel Previous Next

```
19 {  
20     ContentView()  
21 }  
22
```

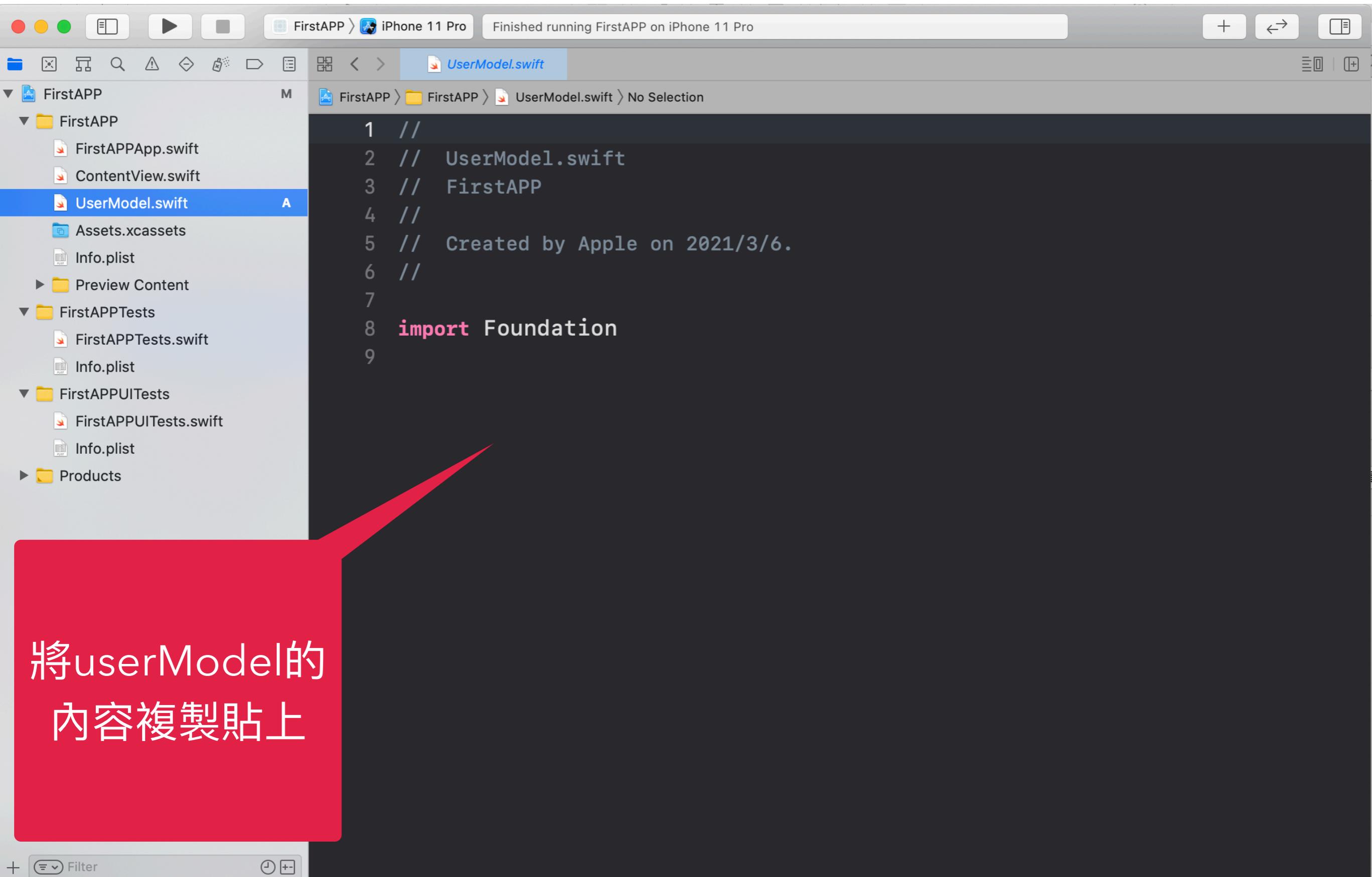
下一步

world!



輸入檔名

下一步



UserModel
檔案內容

```
import SwiftUI
```

```
struct User: Codable, Identifiable {  
    let id = UUID()  
    let username: String  
    let name: String  
}
```

FirstAPP > iPhone 11 Pro Finished running FirstAPP on iPhone 11 Pro

FirstAPP > FirstAPP > UserModel.swift > No Selection

- FirstAPP
 - FirstAPP
 - FirstAPPApp.swift
 - ContentView.swift
 - UserModel.swift
 - Assets.xcassets
 - Info.plist
 - Preview Content
 - FirstAPPTests
 - FirstAPPTests.swift
 - Info.plist
 - FirstAPPUITests
 - FirstAPPUITests.swift
 - Info.plist
 - Products

```
1 //
2 //  UserModel.swift
3 //  FirstAPP
4 //
5 //  Created by Apple on 2021/3/6.
6 //
7
8 import Foundation
9
10 import SwiftUI
11
12
13
14
15 struct User: Codable, Identifiable {
16
17     let id = UUID()
18
19     let username: String
20
21     let name: String
22
23 }
24
```

Warning: Immutable property will not be decoded because it is declared with...

Filter

ViewModel

新增swift檔案
名稱為UserViewModel

```
3 // FirstAPP
4 //
5 // Created by Apple on 2021/3/6.
6 //
7
8 import Foundation
9
```

將UserViewModel
的內容複製貼上

UserViewModel

檔案內容

```
import Foundation

class apiCall {
    func getUsers(completion:@escaping ([User]) -> ()) {
        guard let url = URL(string: "https://jsonplaceholder.typicode.com/users") else { return }
        URLSession.shared.dataTask(with: url) { (data, _, _) in
            let users = try! JSONDecoder().decode([User].self, from: data!)
            print(users)

            DispatchQueue.main.async {
                completion(users)
            }
        }
        .resume()
    }
}
```

網頁
位址

Content View

FirstAPP > iPhone 11 Pro Finished running FirstAPP on iPhone 11 Pro

UserModel.swift | UserViewModel.swift | **ContentView.swift**

FirstAPP > FirstAPP > ContentView.swift > previews

```
1 //
2 // ContentView.swift
3 // FirstAPP
4 //
5 // Created by Apple on 2021/3/6.
6 //
7
8 import SwiftUI
9
10 struct ContentView: View {
11     var body: some View {
12         Text("Hello, world!")
13             .padding()
14     }
15 }
16
17 struct ContentView_Previews:
18     PreviewProvider {
19     static var previews: some View
20     {
21         ContentView()
22     }
23 }
```

Automatic preview updating paused ⓘ Resume

將修正內容加入

Hello, world!

ContentView 126.7x52.3 100%

FirstAPP > iPhone 11 Pro Finished running FirstAPP on iPhone 11 Pro

UserModel.swift | UserViewModel.swift | ContentView.swift

FirstAPP > FirstAPP > ContentView.swift > ContentView

```
1 //
2 // ContentView.swift
3 // FirstAPP
4 //
5 // Created by Apple on 2021/3/6.
6 //
7
8 import SwiftUI
9
10 struct ContentView: View {
11
12     @State var users: [User] = []
13
14     var body: some View {
15         Text("Hello, world!")
16         .onAppear {
17             apiCall().getUsers { (users) in
18
19                 self.users = users
20             }
21         }
22         .padding()
23     }
24 }
25
26 struct ContentView_Previews: PreviewProvider {
27     static var previews: some View {
```

Automatic pre... Resume

world!

Filter

100%

Project Explorer showing the file structure of FirstAPP, including folders like FirstAPP, FirstAPPTests, and FirstAPPUITests, and files like ContentView.swift, UserModel.swift, and UserViewModel.swift.

執行

```
4 //
5 // Created by Apple on 2021/3/6.
6 //
7
8 import SwiftUI
9
10 struct ContentView: View {
11
12     @State var users: [User] = []
13
14     var body: some View {
15         Text("Hello, world!")
16         .onAppear {
17             apiCall().getUsers { (users) in
18
19                 self.users = users
20             }
21         }
22         .padding()
```

Automatic preview u... Resume

o, world!

100%

網頁上的內容

```
2021-03-06 22:16:47.872947+0800 FirstAPP[7920:917122]
[] nw_protocol_get_quic_image_block_invoke dlopen
libquic failed
[FirstAPP.User(id:
98CDF6A8-72F0-4135-9B17-C2CDDFE01A6B, username:
"Bret", name: "Leanne Graham"), FirstAPP.User(id:
30005003-E35F-406B-9921-C89BE8B10B33, username:
"Antonette", name: "Ervin Howell"),
FirstAPP.User(id:
70BFEDA0-D666-48F3-9FD1-13A7082EA186, username:
"Samantha", name: "Clementine Bauch"),
FirstAPP.User(id:
```

將網頁上的內容顯示在
表列中

網頁位址

https://jsonplaceholder.typicode.com/users

喜好項目

http

喜好項目

顯示較少資訊



網頁內容

```
[
  {
    "id": 1,
    "name": "Leanne Graham",
    "username": "Bret",
    "email": "Sincere@april.biz",
    "address": {
      "street": "Kulas Light",
      "suite": "Apt. 556",
      "city": "Gwenborough",
      "zipcode": "92998-3874",
      "geo": {
        "lat": "-37.3159",
        "lng": "81.1496"
      }
    },
    "phone": "1-770-736-8031 x56442",
    "website": "hildegard.org",
    "company": {
      "name": "Romaguera-Crona",
      "catchPhrase": "Multi-layered client-server",
      "bs": "harness real-time e-markets"
    }
  },
  {
    "id": 2,
    "name": "Ervin Howell",
    "username": "Antonette",
    "email": "Shanna@melissa.tv",
    "address": {
      "street": "Victor Plains",
      "suite": "Suite 879",
      "city": "Wisokyburgh",
      "zipcode": "90566-7771",
      "geo": {
        "lat": "-43.9509",
        "lng": "-34.4618"
      }
    },
    "phone": "010-692-6593 x09125",
    "website": "anastasia.net",
    "company": {
      "name": "Deckow-Crist",
      "catchPhrase": "Proactive didactic contingency",
      "bs": "synergize scalable supply-chains"
    }
  },
  {
    "id": 3,
    "name": "Clementine Bauch",
    "username": "Samantha",
    "email": "Nathan@kevin.org",
    "address": {
      "street": "Douglas Park",
      "suite": "Apt. 960",
      "city": "Newburgh",
      "zipcode": "90468-2890",
      "geo": {
        "lat": "-38.1158",
        "lng": "70.4159"
      }
    },
    "phone": "847-876-8880 x1307",
    "website": "barney.clarke.com",
    "company": {
      "name": "Krujk-Group",
      "catchPhrase": "Innovative high-level solutions",
      "bs": "synthesize three-tier architectures"
    }
  },
  {
    "id": 4,
    "name": "Patricia Lebsack",
    "username": "Karianne",
    "email": "Julianne@emilie.co.uk",
    "address": {
      "street": "Hoeger Mall",
      "suite": "Suite 281",
      "city": "Port Harbortown",
      "zipcode": "99039-3100",
      "geo": {
        "lat": "29.4572",
        "lng": "-89.9716"
      }
    },
    "phone": "990-913-4029 x3100",
    "website": "robins-and-sons.com",
    "company": {
      "name": "Huel-Lozano",
      "catchPhrase": "Innovative high-level solutions",
      "bs": "synthesize three-tier architectures"
    }
  },
  {
    "id": 5,
    "name": "Cheryl Parker",
    "username": "Boris",
    "email": "Amel@bernice.biz",
    "address": {
      "street": "Carter Park",
      "suite": "Suite 521",
      "city": "Port Harbortown",
      "zipcode": "99039-3100",
      "geo": {
        "lat": "29.4572",
        "lng": "-89.9716"
      }
    },
    "phone": "990-913-4029 x3100",
    "website": "robins-and-sons.com",
    "company": {
      "name": "Huel-Lozano",
      "catchPhrase": "Innovative high-level solutions",
      "bs": "synthesize three-tier architectures"
    }
  },
  {
    "id": 6,
    "name": "Brett Davis",
    "username": "Kurtis",
    "email": "Moriah@shane.com",
    "address": {
      "street": "Carter Park",
      "suite": "Suite 521",
      "city": "Port Harbortown",
      "zipcode": "99039-3100",
      "geo": {
        "lat": "29.4572",
        "lng": "-89.9716"
      }
    },
    "phone": "990-913-4029 x3100",
    "website": "robins-and-sons.com",
    "company": {
      "name": "Huel-Lozano",
      "catchPhrase": "Innovative high-level solutions",
      "bs": "synthesize three-tier architectures"
    }
  },
  {
    "id": 7,
    "name": "Kurtis Weissnat",
    "username": "Nicholas",
    "email": "Nicholas@idella.com",
    "address": {
      "street": "Carter Park",
      "suite": "Suite 521",
      "city": "Port Harbortown",
      "zipcode": "99039-3100",
      "geo": {
        "lat": "29.4572",
        "lng": "-89.9716"
      }
    },
    "phone": "990-913-4029 x3100",
    "website": "robins-and-sons.com",
    "company": {
      "name": "Huel-Lozano",
      "catchPhrase": "Innovative high-level solutions",
      "bs": "synthesize three-tier architectures"
    }
  },
  {
    "id": 8,
    "name": "Tina Turner",
    "username": "Bernie",
    "email": "Bernie@marcelle.com",
    "address": {
      "street": "Carter Park",
      "suite": "Suite 521",
      "city": "Port Harbortown",
      "zipcode": "99039-3100",
      "geo": {
        "lat": "29.4572",
        "lng": "-89.9716"
      }
    },
    "phone": "990-913-4029 x3100",
    "website": "robins-and-sons.com",
    "company": {
      "name": "Huel-Lozano",
      "catchPhrase": "Innovative high-level solutions",
      "bs": "synthesize three-tier architectures"
    }
  },
  {
    "id": 9,
    "name": "Ervin Howell",
    "username": "Antonette",
    "email": "Shanna@melissa.tv",
    "address": {
      "street": "Victor Plains",
      "suite": "Suite 879",
      "city": "Wisokyburgh",
      "zipcode": "90566-7771",
      "geo": {
        "lat": "-43.9509",
        "lng": "-34.4618"
      }
    },
    "phone": "010-692-6593 x09125",
    "website": "anastasia.net",
    "company": {
      "name": "Deckow-Crist",
      "catchPhrase": "Proactive didactic contingency",
      "bs": "synergize scalable supply-chains"
    }
  },
  {
    "id": 10,
    "name": "Clementine Bauch",
    "username": "Samantha",
    "email": "Nathan@kevin.org",
    "address": {
      "street": "Douglas Park",
      "suite": "Apt. 960",
      "city": "Newburgh",
      "zipcode": "90468-2890",
      "geo": {
        "lat": "-38.1158",
        "lng": "70.4159"
      }
    },
    "phone": "847-876-8880 x1307",
    "website": "barney.clarke.com",
    "company": {
      "name": "Krujk-Group",
      "catchPhrase": "Innovative high-level solutions",
      "bs": "synthesize three-tier architectures"
    }
  },
  {
    "id": 11,
    "name": "Brett Davis",
    "username": "Kurtis",
    "email": "Moriah@shane.com",
    "address": {
      "street": "Carter Park",
      "suite": "Suite 521",
      "city": "Port Harbortown",
      "zipcode": "99039-3100",
      "geo": {
        "lat": "29.4572",
        "lng": "-89.9716"
      }
    },
    "phone": "990-913-4029 x3100",
    "website": "robins-and-sons.com",
    "company": {
      "name": "Huel-Lozano",
      "catchPhrase": "Innovative high-level solutions",
      "bs": "synthesize three-tier architectures"
    }
  },
  {
    "id": 12,
    "name": "Kurtis Weissnat",
    "username": "Nicholas",
    "email": "Nicholas@idella.com",
    "address": {
      "street": "Carter Park",
      "suite": "Suite 521",
      "city": "Port Harbortown",
      "zipcode": "99039-3100",
      "geo": {
        "lat": "29.4572",
        "lng": "-89.9716"
      }
    },
    "phone": "990-913-4029 x3100",
    "website": "robins-and-sons.com",
    "company": {
      "name": "Huel-Lozano",
      "catchPhrase": "Innovative high-level solutions",
      "bs": "synthesize three-tier architectures"
    }
  },
  {
    "id": 13,
    "name": "Tina Turner",
    "username": "Bernie",
    "email": "Bernie@marcelle.com",
    "address": {
      "street": "Carter Park",
      "suite": "Suite 521",
      "city": "Port Harbortown",
      "zipcode": "99039-3100",
      "geo": {
        "lat": "29.4572",
        "lng": "-89.9716"
      }
    },
    "phone": "990-913-4029 x3100",
    "website": "robins-and-sons.com",
    "company": {
      "name": "Huel-Lozano",
      "catchPhrase": "Innovative high-level solutions",
      "bs": "synthesize three-tier architectures"
    }
  },
  {
    "id": 14,
    "name": "Ervin Howell",
    "username": "Antonette",
    "email": "Shanna@melissa.tv",
    "address": {
      "street": "Victor Plains",
      "suite": "Suite 879",
      "city": "Wisokyburgh",
      "zipcode": "90566-7771",
      "geo": {
        "lat": "-43.9509",
        "lng": "-34.4618"
      }
    },
    "phone": "010-692-6593 x09125",
    "website": "anastasia.net",
    "company": {
      "name": "Deckow-Crist",
      "catchPhrase": "Proactive didactic contingency",
      "bs": "synergize scalable supply-chains"
    }
  },
  {
    "id": 15,
    "name": "Clementine Bauch",
    "username": "Samantha",
    "email": "Nathan@kevin.org",
    "address": {
      "street": "Douglas Park",
      "suite": "Apt. 960",
      "city": "Newburgh",
      "zipcode": "90468-2890",
      "geo": {
        "lat": "-38.1158",
        "lng": "70.4159"
      }
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    "company": {
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      "bs": "synthesize three-tier architectures"
    }
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    "username": "Kurtis",
    "email": "Moriah@shane.com",
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  {
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    "email": "Nicholas@idella.com",
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      "zipcode": "99039-3100",
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      }
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        "lng": "-89.9716"
      }
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    "email": "Shanna@melissa.tv",
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      "suite": "Suite 879",
      "city": "Wisokyburgh",
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      "geo": {
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        "lng": "-34.4618"
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    "phone": "010-692-6593 x09125",
    "website": "anastasia.net",
    "company": {
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    }
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    "id": 20,
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    "email": "Nathan@kevin.org",
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    "company": {
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      "bs": "synthesize three-tier architectures"
    }
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      "geo": {
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        "lng": "-89.9716"
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    "website": "robins-and-sons.com",
    "company": {
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      "catchPhrase": "Innovative high-level solutions",
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    }
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    "email": "Nicholas@idella.com",
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      "city": "Port Harbortown",
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    "email": "Bernie@marcelle.com",
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      "city": "Port Harbortown",
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      "geo": {
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    "company": {
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      "catchPhrase": "Innovative high-level solutions",
      "bs": "synthesize three-tier architectures"
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  {
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    "username": "Antonette",
    "email": "Shanna@melissa.tv",
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      "city": "Wisokyburgh",
      "zipcode": "90566-7771",
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        "lng": "-34.4618"
      }
    },
    "phone": "010-692-6593 x09125",
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    "company": {
      "name": "Deckow-Crist",
      "catchPhrase": "Proactive didactic contingency",
      "bs": "synergize scalable supply-chains"
    }
  }
]
```

```
1 //
2 // ContentView.swift
3 // FirstAPP
4 //
5 // Created by Apple on 2021/3/6.
6 //
7
8 import SwiftUI
9
10 struct ContentView: View {
11
12     @State var users: [User] = []
13
14     var body: some View {
15         Text("Hello, world!")
16         .onAppear {
17             apiCall().getUsers { (users) in
18
19                 self.users = users
20             }
21         }
22         .padding()
23     }
24 }
25
26 struct ContentView_Previews: PreviewProvider {
27     static var previews: some View {
```

將text改為表列

Text("Hello, world!")

將text改
為表列

```
List(users) { user in
```

```
    Text(user.username)
```

```
        .font(.headline)
```

```
    Text(user.name)
```

```
        .font(.subheadline)
```

```
}
```

```
.onAppear {
```

```
    apiCall().getUsers { (users) in
```

```
        self.users = users
```

```
    }
```

```
}
```

```
12     @State var users: [User] = []
13     var body: some View {
14         VStack {
15             Image(systemName: "globe")
16                 .imageScale(.large)
17                 .foregroundColor(.accentColor)
18             List(users) { user in
19                 Text(user.username)
20                     .font(.headline)
21                 Text(user.name)
22                     .font(.subheadline)
23             }
24             .onAppear {
25                 apiCall().getUsers { (users) in
26                     self.users = users
27                 }
28             }
29         }
30     }
31     .padding()
```

執行

```
1 //
2 // ContentView.swift
3 // FirstAPP
4 //
5 // Created by Apple on 2021/3/6.
6 //
7
8 import SwiftUI
9
10 struct ContentView: View {
11
12     @State var users: [User] = []
13
14     var body: some View {
15         List(users) { user in
16
17             Text(user.username)
18
19             .font(.headline)
20
21             Text(user.name)
22
```

螢幕上顯示網頁
中username與
name

10:29

Bret Leanne Graham

Antonette Ervin Howell

Samantha Clementine Bauch

Karianne Patricia Lebsack

Kamren Chelsey Dietrich

Leopoldo_Corkery Mrs. Dennis Schulist

Elwyn.Skiles Kurtis Weissnat

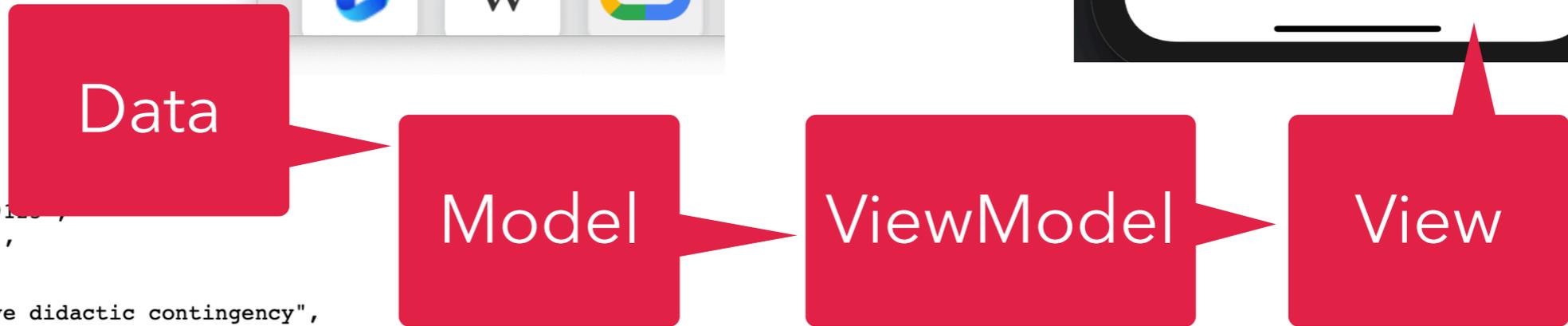
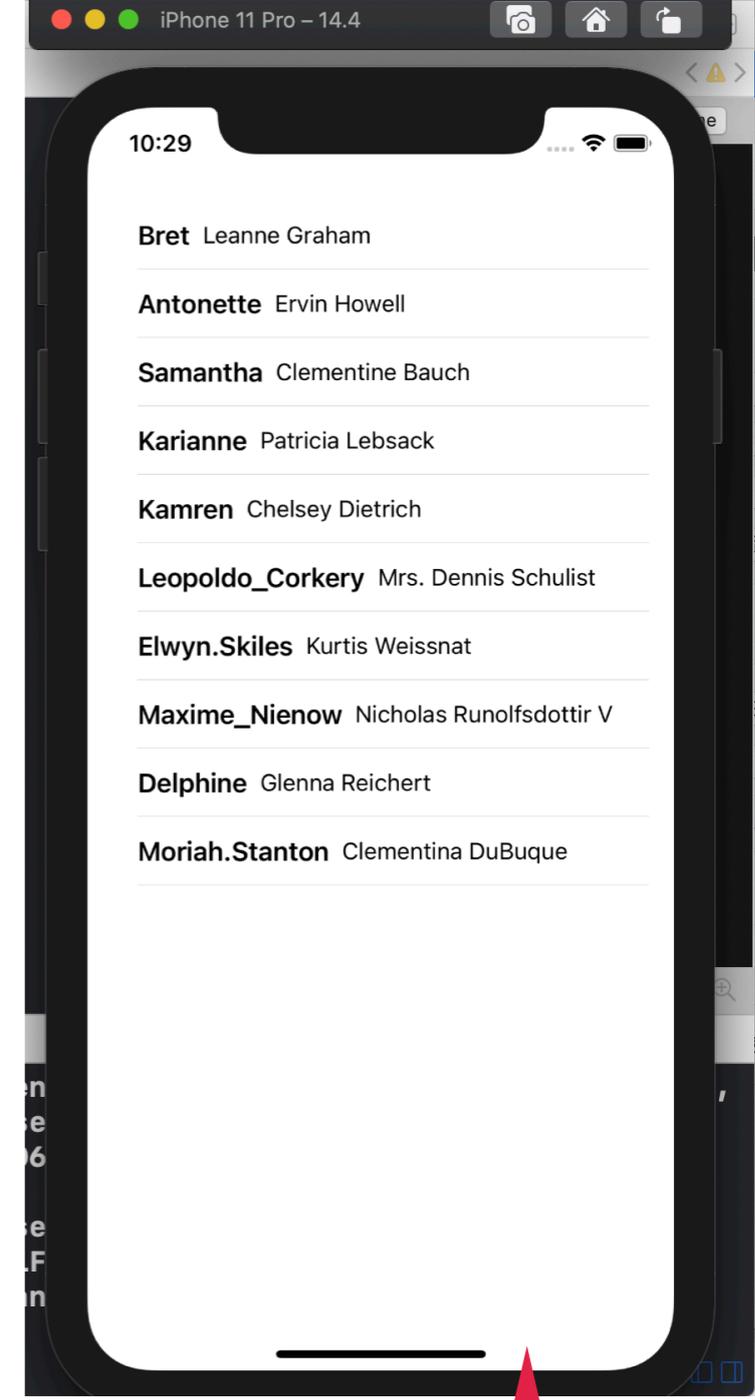
Maxime_Nienow Nicholas Runolfsdottir V

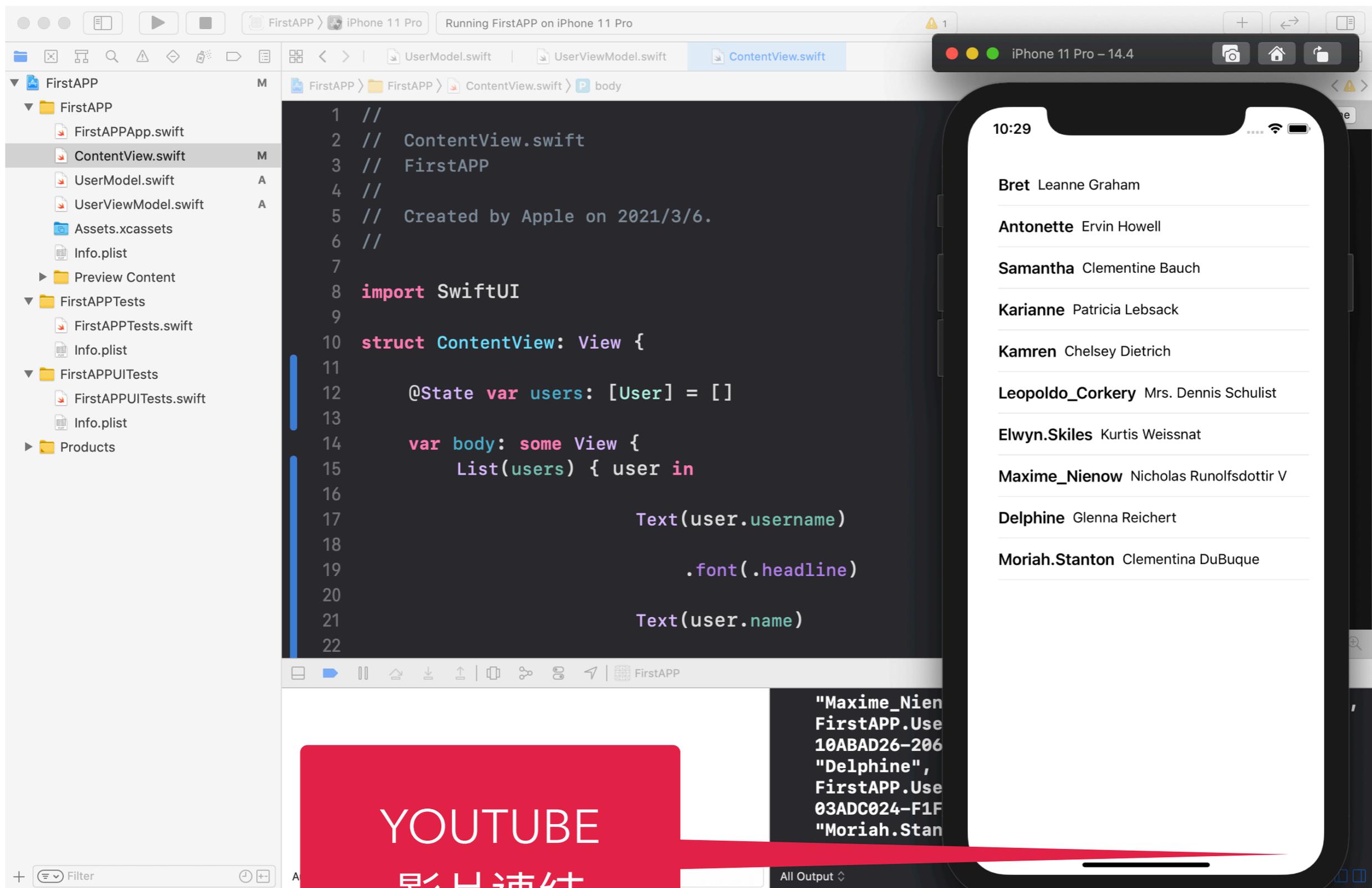
Delphine Glenna Reichert

Moriah.Stanton Clementina DuBuque

Browser window showing a REST client interface with a URL bar containing `https://jsonplaceholder.typicode.com/users`. The page title is "喜好項目". The main content area displays a grid of application icons under the heading "喜好項目".

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    "username": "Bret",
    "email": "Sincere@april.biz",
    "address": {
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      "suite": "Apt. 556",
      "city": "Gwenborough",
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      "bs": "harness real-time e-markets"
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      "city": "Wisokyburgh",
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      "geo": {
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        "lng": "-34.4618"
      }
    },
    "phone": "010-692-6593 x09100",
    "website": "anastasia.net",
    "company": {
      "name": "Deckow-Crist",
      "catchPhrase": "Proactive didactic contingency",
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    }
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      "city": "Newburgh",
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  {
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    "username": "Karianne",
    "email": "Julianne@adrian.biz",
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    "username": "Kamren",
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    }
  }
]
```





YOUTUBE
影片連結

Reference

SwiftUI | Fetch JSON data & display it into a list

Learn how to create an API call to get data from a remote JSON file and display this data in a SwiftUI list. Let's get started!

<https://pokedex-bb36f.firebaseio.com/pokemon.json>

寶可夢

```
8
9  import Foundation
10 import SwiftUI
11
12 let BASE_URL = "https://pokedex-bb36f.firebaseio.com/pokemon.json"
13
14 class PokemonViewModel: ObservableObject {
15     @Published var pokemon = [Pokemon]()
16     @Published var filteredPokemon = [Pokemon]()
17
```


10:45

Pokemon

<p>Bulbasaur</p> <p>poison</p> 	<p>Ivysaur</p> <p>poison</p> 
<p>Venusaur</p> <p>poison</p> 	<p>Charmander</p> <p>fire</p> 
<p>Charmeleon</p> <p>fire</p> 	<p>Charizard</p> <p>fire</p> 
<p>Squirtle</p> <p>water</p> 	<p>Wartortle</p> <p>water</p> 
<p>Blastoise</p> <p>water</p> 	<p>Caterpie</p> <p>bug</p> 
<p>Metapod</p> 	<p>Butterfree</p> 

10:45

Pokemon

<p>water</p> 	<p>water</p> 
<p>Blastoise</p> <p>water</p> 	<p>Caterpie</p> <p>bug</p> 
<p>Metapod</p> <p>bug</p> 	<p>Butterfree</p> <p>flying</p> 
<p>Weedle</p> <p>poison</p> 	<p>Kakuna</p> <p>poison</p> 
<p>Beedrill</p> <p>poison</p> 	<p>Pidgey</p> <p>flying</p> 
<p>Pidgeotto</p> <p>flying</p> 	<p>Pidgeot</p> <p>flying</p> 
<p>Rattata</p> 	<p>Raticate</p> 

Pokemon

ground 	ground 
Nidoran-F poison 	Nidorina poison 
Nidoqueen ground 	Nidoran-M poison 
Nidorino poison 	Nidoking ground 
Clefairy fairy 	Clefable fairy 
Vulpix fire 	Ninetales fire 
Jigglypuff	Wigglytuff

< Pokemon

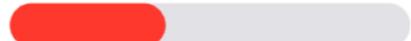


Clefable

Fairy

A timid fairy POKÉMON that is rarely seen. It will run and hide the moment it senses people.

Stats

Height	13	
Attack	70	
Defense	73	
Weight	400	
Total	100	

10:46

< Pokemon



Nidoking

Ground

It uses its powerful tail in battle to smash, constrict, then break the prey's bones.

Stats

Height	14	
Attack	102	
Defense	77	
Weight	620	
Total	100	

×



Welcome to Xcode

Version 12.4 (12D4e)



Create a new Xcode project

Create an app for iPhone, iPad, Mac, Apple Watch, or Apple TV.



Clone an existing project

Start working on something from a Git repository.



Open a project or file

Open an existing project or file on your Mac.

Show this window when Xcode launches



PokedexSwiftUI

~/Desktop/swift_2019_2020



FirstAPP

~/Desktop/swift_2019_2020



userJSON

~/Desktop/swift_2019_2020



Pokemon_test

~/Desktop/swift_2019_2020



WebViewSwiftUI

~/Desktop/swift_2019_2020



MyPlaygroundTest

~/Desktop/Jiann-Ming Wu/2021-II SWIFT



GuidedTour-2

...ng Wu/2021-II SWIFT/excercise playground



MyPlayground_morden

...ng Wu/2021-II SWIFT/excercise playground