

// Created by Felix “Cutting Edge” Wehnert on 27.06.2019

import SwiftUI

import Combine

UI is not a representation of a list of events

UI is representation of some data

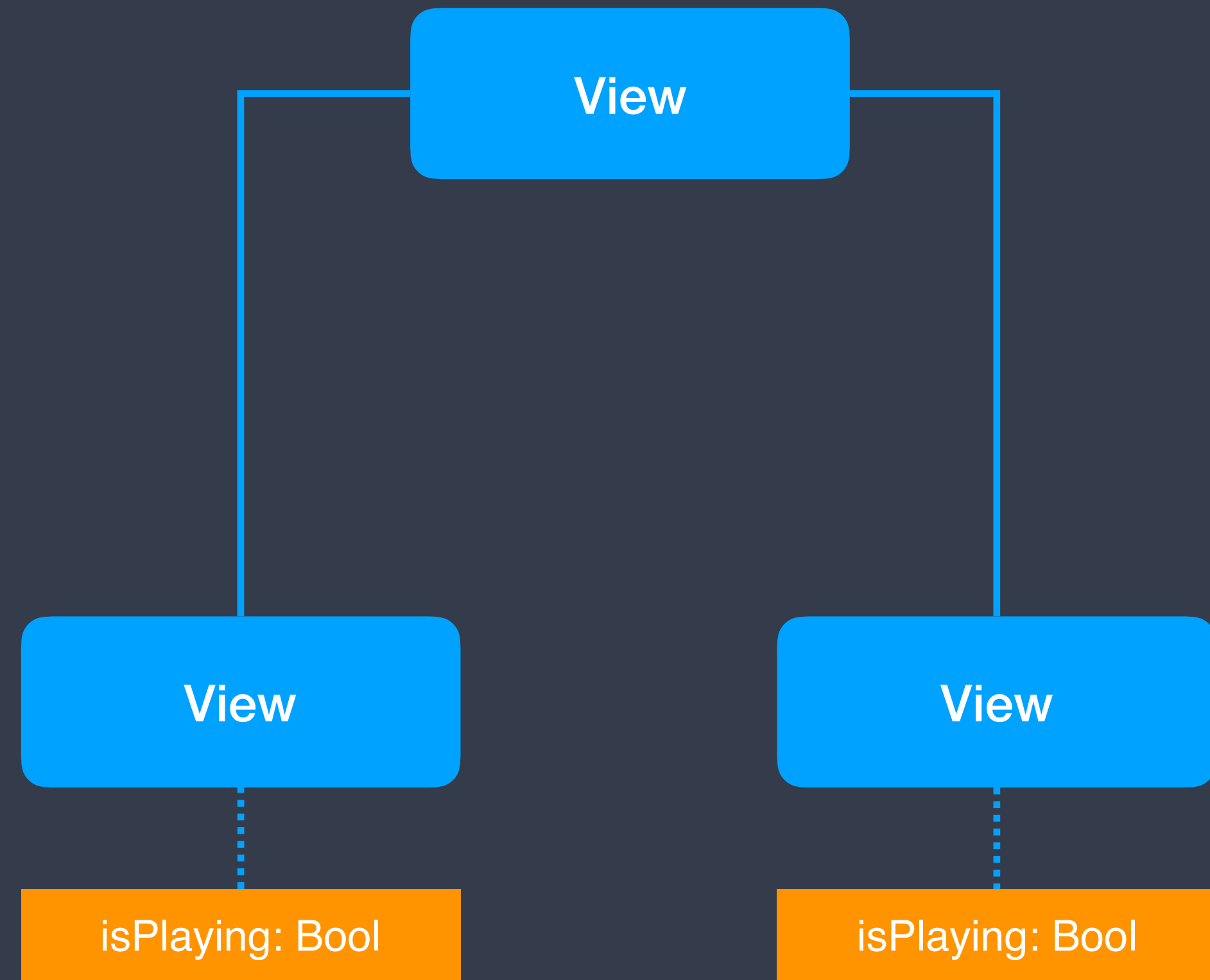
Swift 5.1

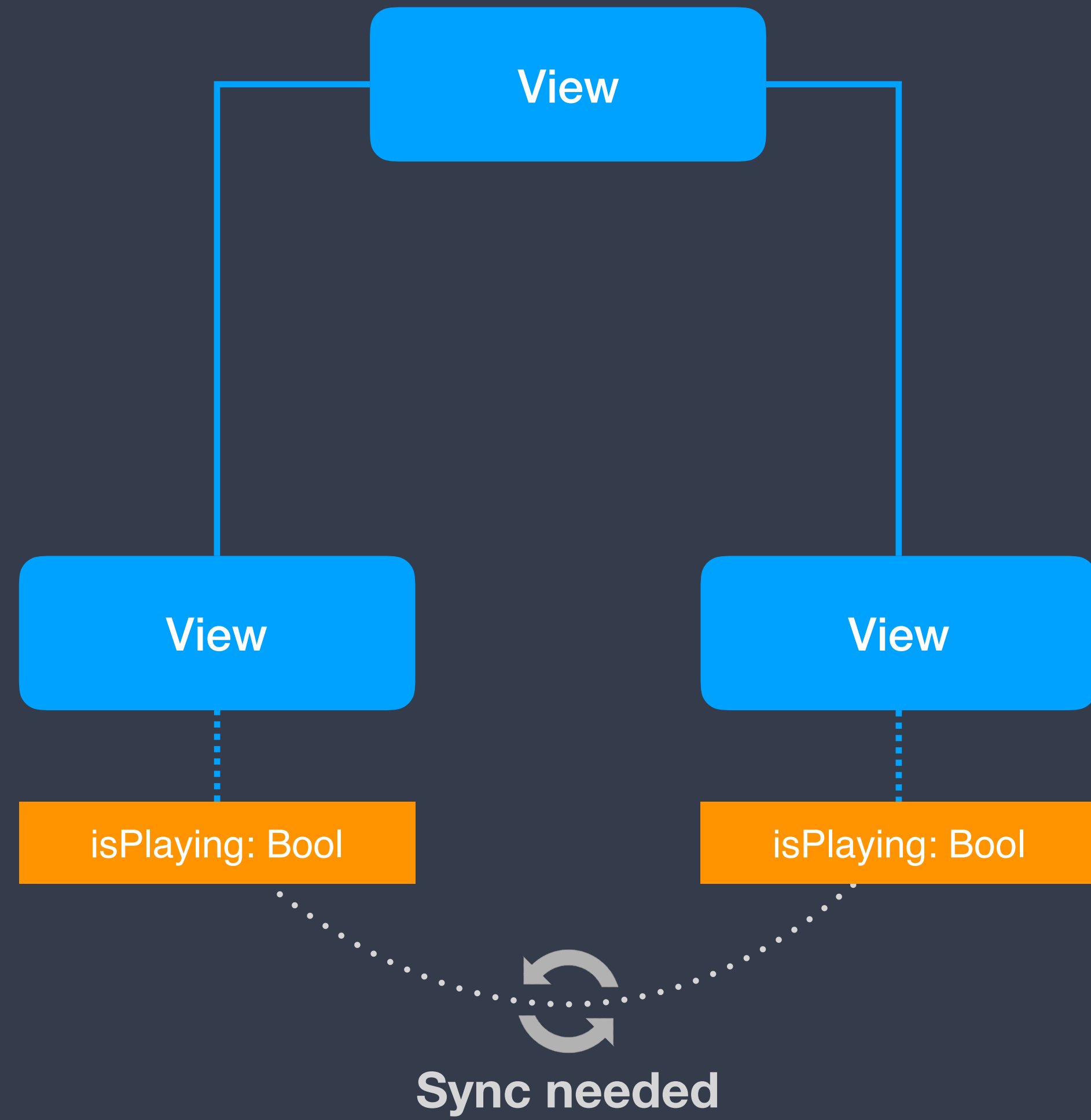
```
func getSomeProt() -> some Protocol
```

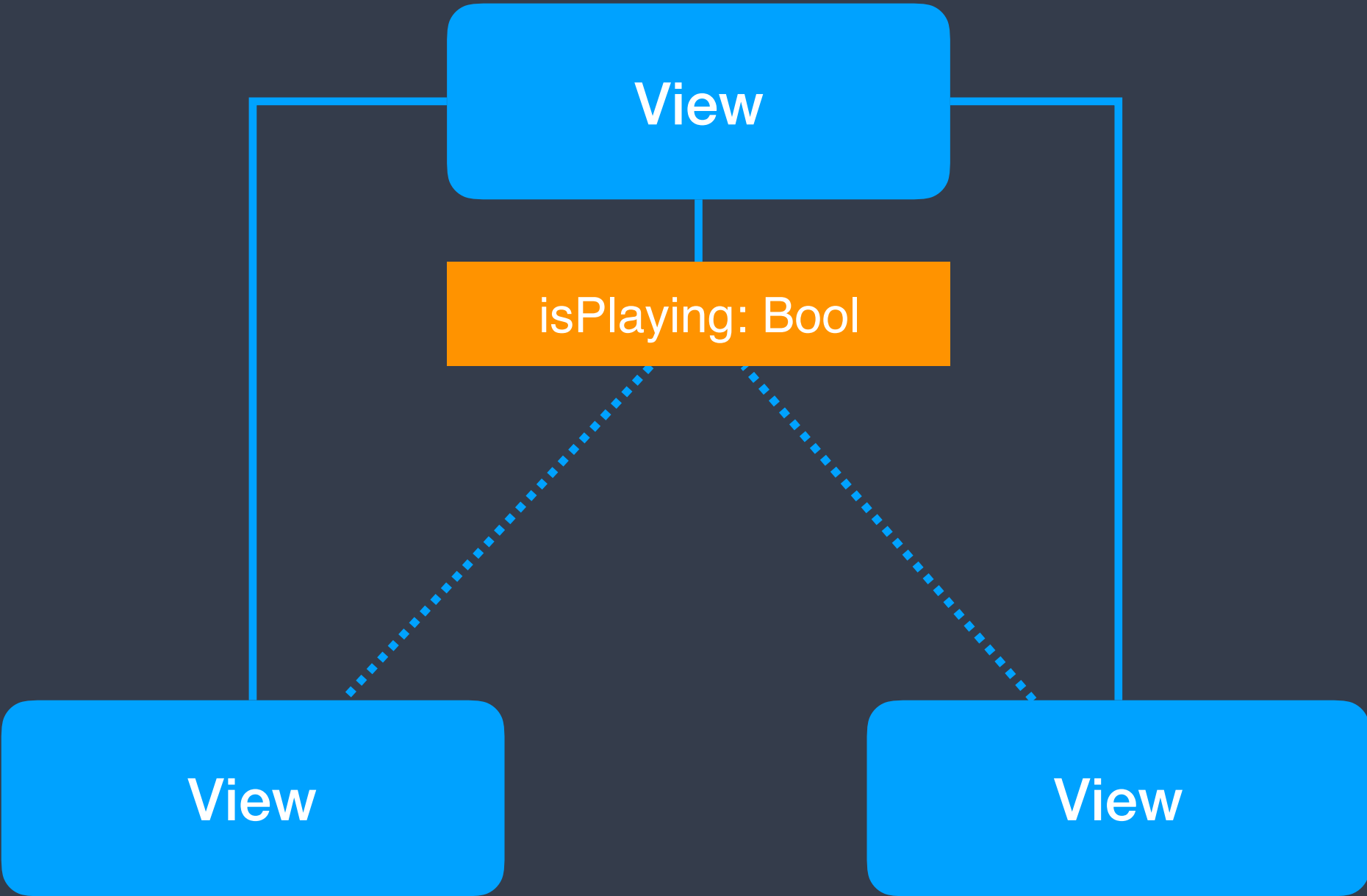
```
func double(_ number: Int) -> Int {  
    number * 2  
}
```

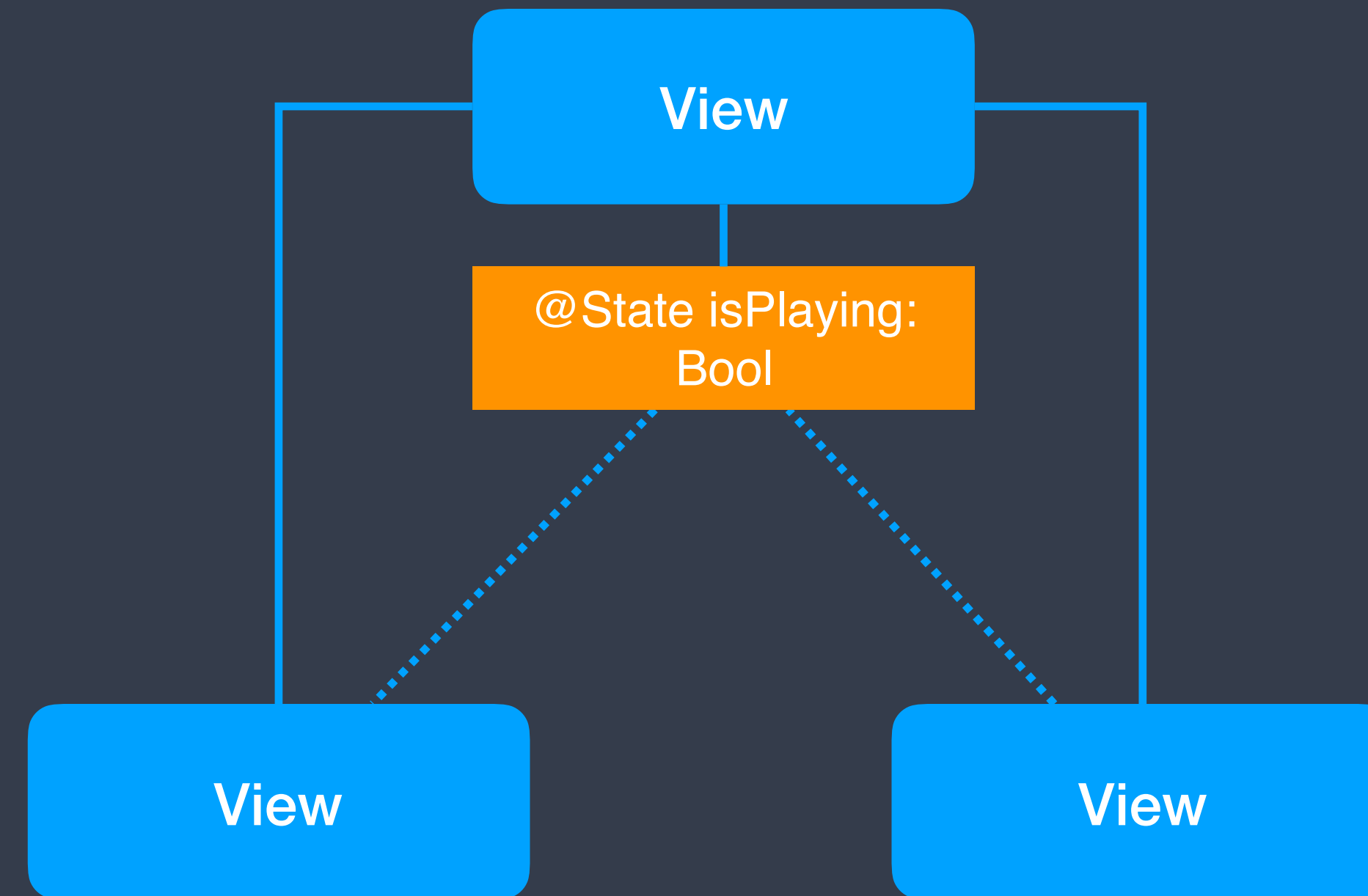
```
@_functionBuilder  
struct ViewBuilder {  
    func buildBlock(_ views: View...) -> CombinedView {  
        return CombinedView(views: views)  
    }  
}
```

```
@propertyDelegate  
struct State<Value> { ... }
```



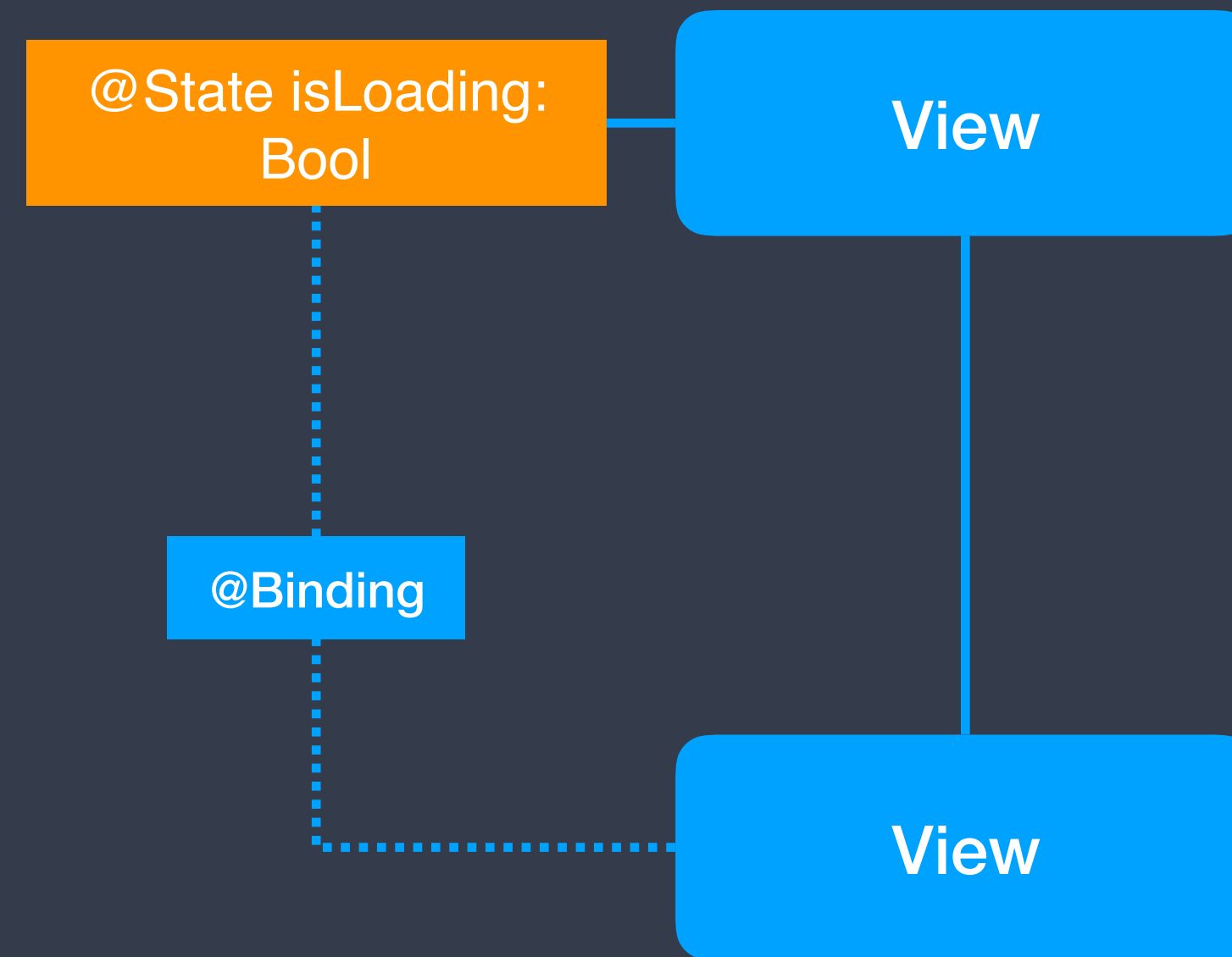






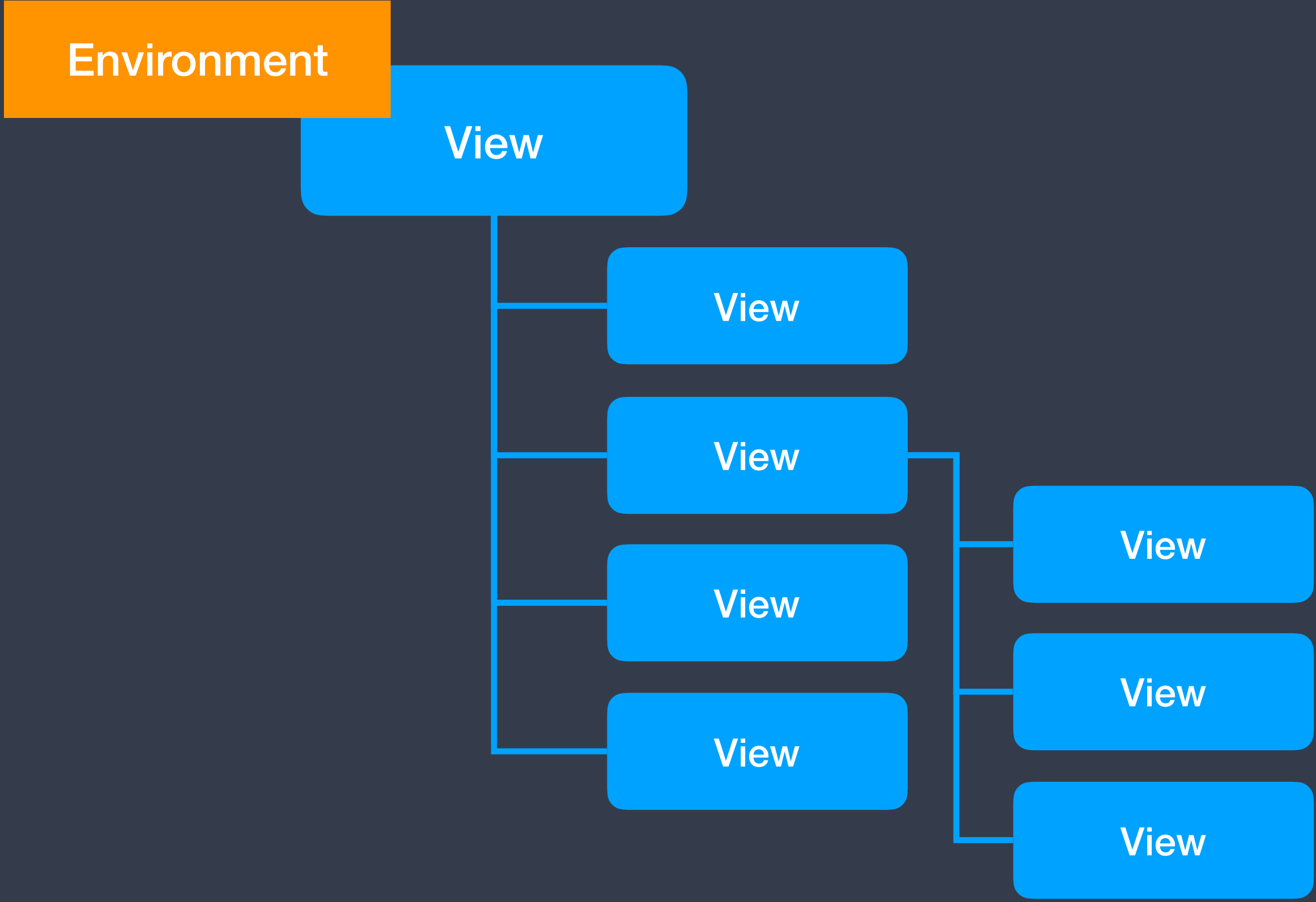
```
@State private var isPlaying: Bool = false
```

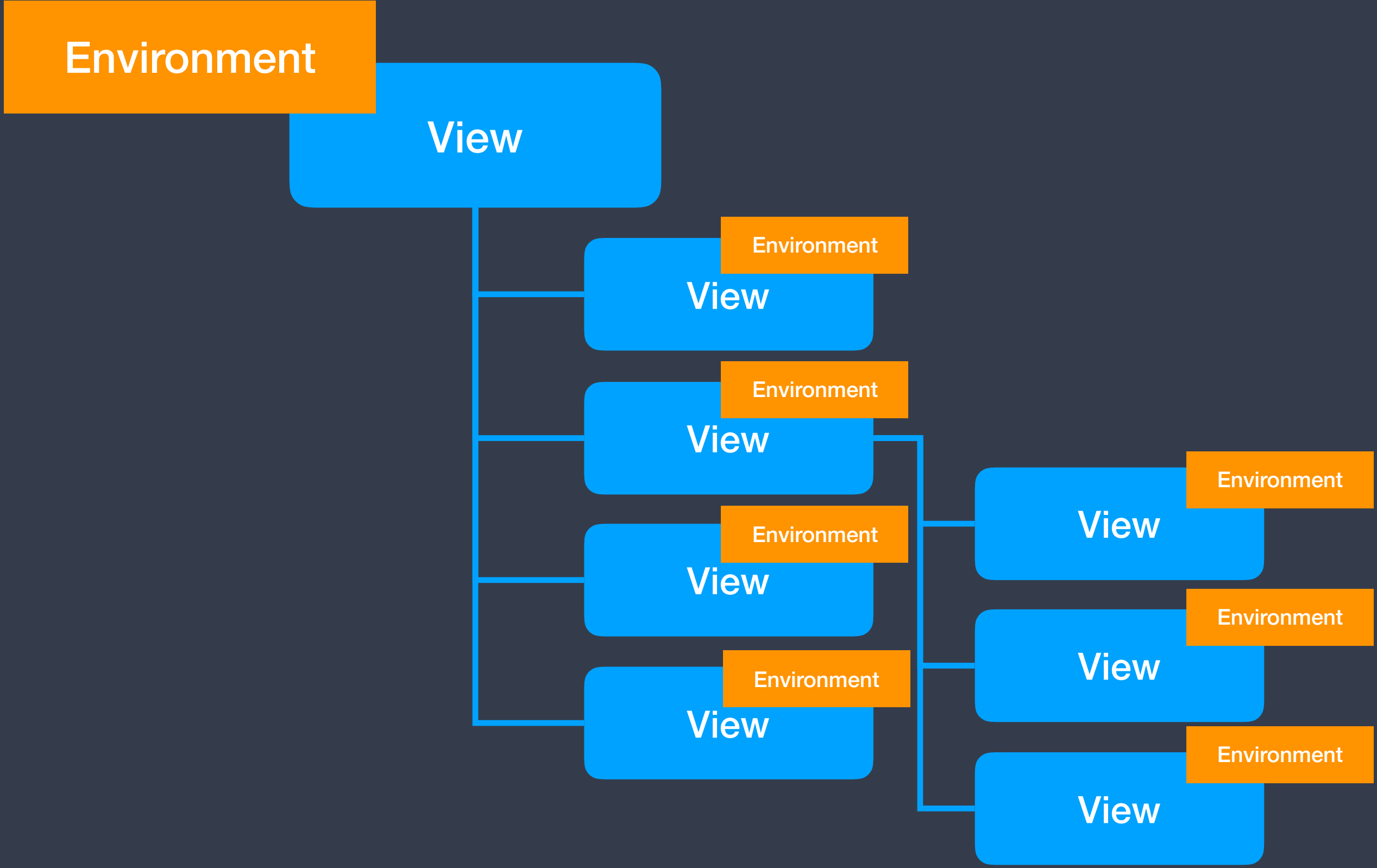
```
var body: some View {  
    Button(action: {  
        self.isPlaying.toggle()  
    }) {  
        Image(systemName: isPlaying ? "pause.circle" : "play.circle")  
    }  
}
```

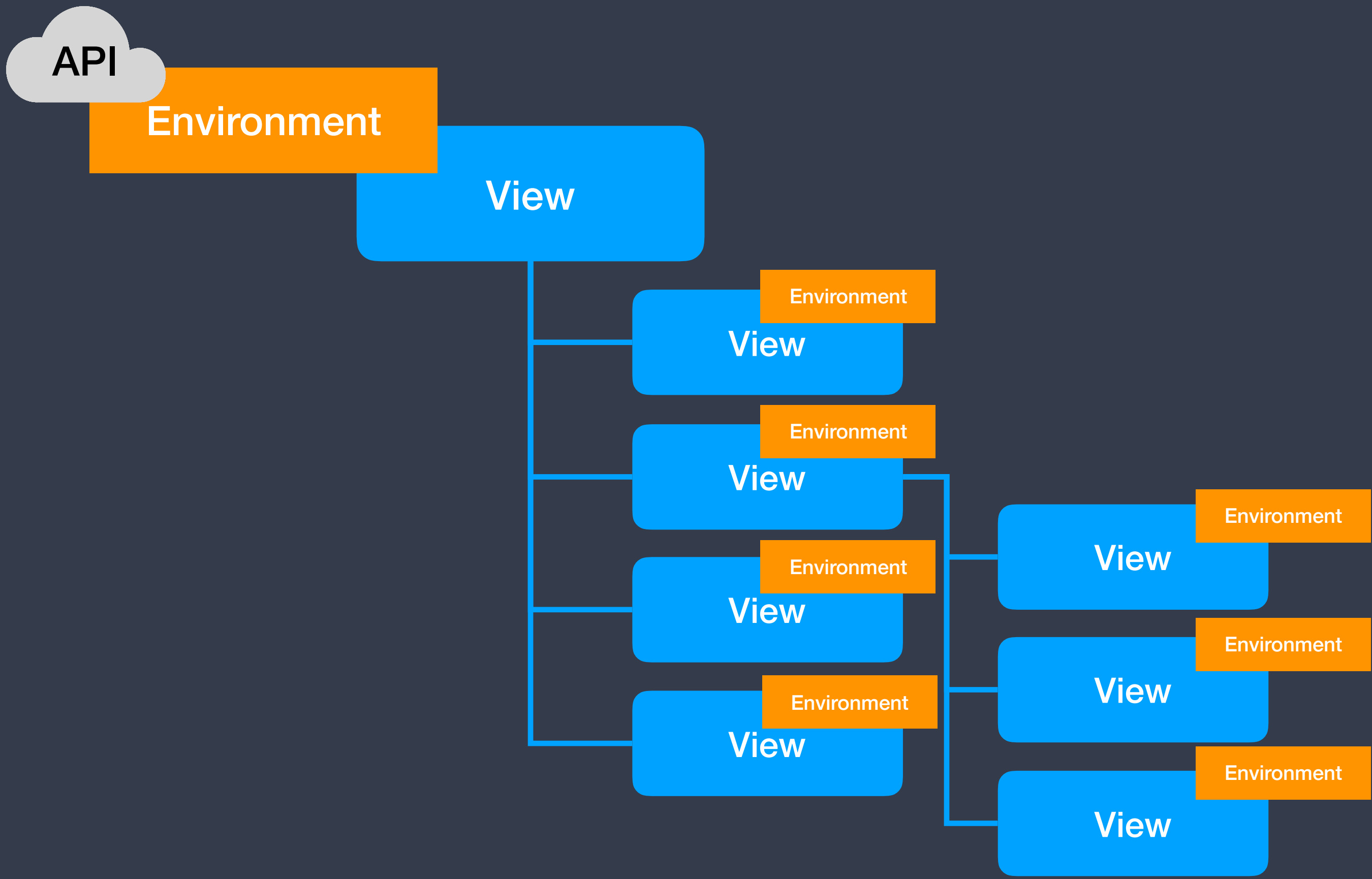



```
@State private var isPlaying: Bool = false
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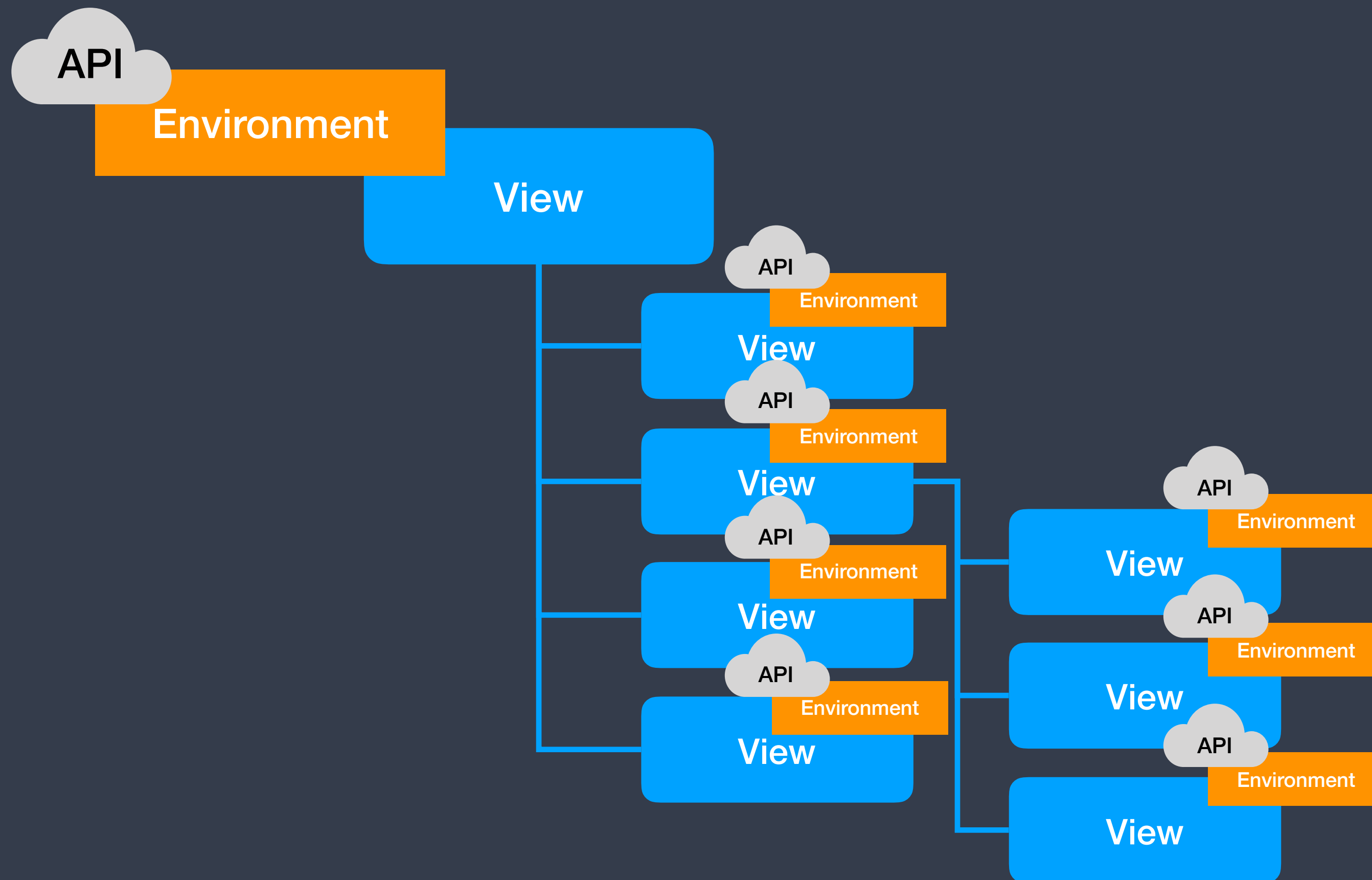
```
var body: some View {  
    Toggle(isOn: $isPlaying) {  
        Text("Play")  
    }  
}
```







DependencyInjection.forFree()





```
import Combine
```

Publisher

```
class API: BindableObject {  
    let didChange = PassthroughSubject<Void, Never>()  
}
```

Subscriber

```
struct ContentView : View {  
    @EnvironmentObject private var api: API  
}
```

UIKit



(NSUI)Hosting(ControllerView)

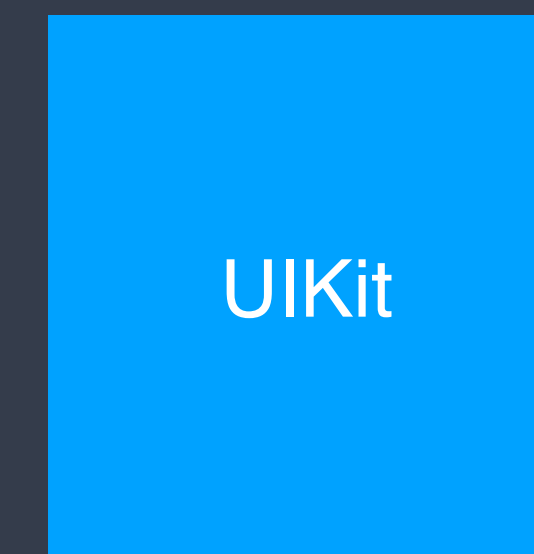


SwiftUI

SwiftUI



(NSUI)View(Controller)Representable



UIKit



- Documentation
- No Collection View, some known views missing
- iOS 13 only
- Nearly impossible to access the low level
- It's in Beta
- Some simple things get hard (dismiss keyboard on outside tap)

