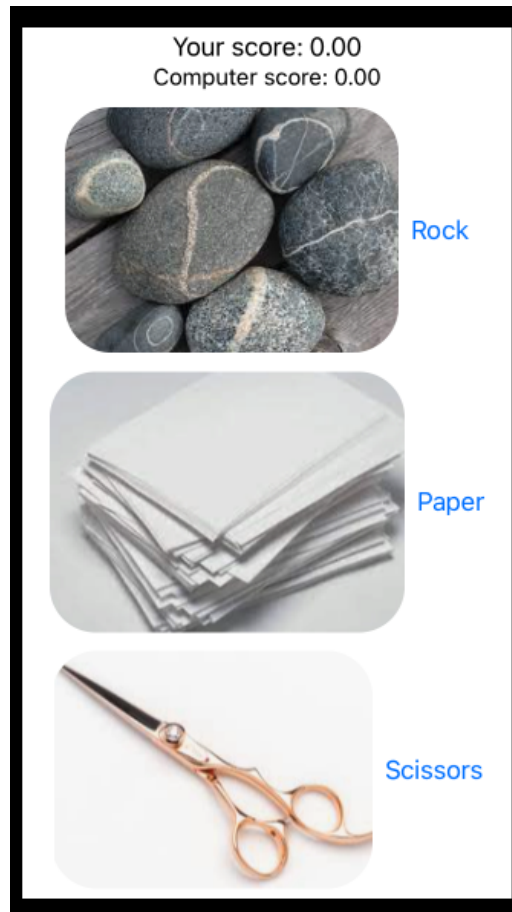


**Instructor:** Paul Hudson

<https://www.hackingwithswift.com/100/swiftui/25>

**Project:** Rock, Paper, Scissors



## 1/. Review: Differences bw Structs and Classes

1. Classes don't come with a memberwise initializer; structs get these by default.
2. Classes can use inheritance to build up functionality; structs cannot.
3. If you copy a class, both copies point to the same data; copies of structs are always unique.
4. Classes can have deinitializers; structs cannot.
5. You can change variable properties inside constant classes; properties inside constant structs are fixed regardless of whether the properties are constants or variables.

Custom binding: <https://www.hackingwithswift.com/guide/ios-swiftui/2/2/key-points>

```

struct ContentView: View {
    @State var selection = 0

    var body: some View {
        let binding = Binding(
            get: { self.selection },
            set: { self.selection = $0 }
        )

        return VStack {
            Picker("Select a number", selection: binding) {
                ForEach(0 ..< 3) {
                    Text("Item \($0)")
                }
            }.pickerStyle(SegmentedPickerStyle())
        }
    }
}

```

```

struct ContentView: View {
    @State var agreedToTerms = false
    @State var agreedToPrivacyPolicy = false
    @State var agreedToEmails = false

    var body: some View {
        let agreedToAll = Binding<Bool>(
            get: {
                self.agreedToTerms && self.agreedToPrivacyPolicy && self.agreedToEmails
            },
            set: {
                self.agreedToTerms = $0
                self.agreedToPrivacyPolicy = $0
                self.agreedToEmails = $0
            }
        )

        return VStack {

```

```
Toggle(isOn: $agreedToTerms) {  
  Text("Agree to terms")  
}  
  
Toggle(isOn: $agreedToPrivacyPolicy) {  
  Text("Agree to privacy policy")  
}  
  
Toggle(isOn: $agreedToEmails) {  
  Text("Agree to receive shipping emails")  
}  
  
Toggle(isOn: agreedToAll) {  
  Text("Agree to all")  
}  
}  
}
```