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Resources

<https://github.com/SimpleBoilerplates/SwiftUI-Cheat-Sheet>

Playgrounds - Get Started with Apps

IntroView Get Started with Apps

```
import SwiftUI

struct IntroView: View {
    var body: some View {
        HStack {
            Text("test")
            Image("FriendAndGem")
                .resizable()
                .scaledToFit()
        }
        Text("example text")
        Text("string")
    }
}

struct IntroView_Previews: PreviewProvider {
    static var previews: some View {
        VStack {
            IntroView()
        }
    }
}
```

ExperimentView Get Started with Apps

```
import SwiftUI

struct ExperimentView: View {
    var body: some View {
        VStack {
            FriendDetailView()

            HStack {
                Image("Blu")
                    .resizable()
                    .scaledToFit()

                VStack {
                    Text("a")
                        .font(.caption)
                    Text("a")
                        .font(.caption)
                }
            }
            HStack {
                Image("Hopper")
            }
        }
    }
}

struct ExperimentView_Previews: PreviewProvider {
    static var previews: some View {
        VStack {
            ExperimentView()
        }
    }
}
```

FriendDetailView Get Started with Apps

```
import SwiftUI

struct FriendDetailView: View {
    var body: some View {
        VStack {
            HStack {
                Image("Friend")
                    .resizable()
                    .scaledToFit()

                VStack {
                    Text("Friend")
                }
            }
        }
    }
}
```

MyApp Get Started with Apps

Playgrounds - Keep Going with Apps

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```

        isReady.toggle()
    }
    if isReady {
        Text("Ready!")
    } else {
        Text("Not Ready")
    }

    if isOn {
        Circle()
            .frame(maxHeight: 200)
            .foregroundColor(.yellow)
        Text("On")
    } else {
        Circle()
            .frame(maxHeight: 200)
            .foregroundColor(.green)
        Text("Off")
    }

    Button("Press Me") {
        isOn.toggle()
    }
}
}
}

struct ConditionalViews_Previews: PreviewProvider {
    static var previews: some View {
        VStack {
            ConditionalViews().assess()
        }
    }
}
}

```

Using a Conditional Modifier Keep Going with Apps

```
import SwiftUI

struct ConditionalCircle: View {
    @State var isOn = false

    var body: some View {
```

```

VStack {

    Circle()
        .frame(maxHeight: 200)
        .foregroundColor( isOn ? .purple : .mint)
        .shadow(color: isOn ? .indigo : .orange, radius: 20)
        .scaleEffect(isOn ? 1 : 0.75)
        .animation(.default, value: isOn)
    Button("Press Me") {
        isOn.toggle()
    }
}
}
}

```

Built In Views Keep Going with Apps

```

import SwiftUI
// #-learning-code-snippet(toggleExperiment)

struct Bindings: View {

    @State var isOn = false
    @State var color = Color.primary

    var body: some View {
        VStack {

            Toggle("Press Me", isOn: $isOn)

            ColorPicker("Pick", selection: $color)

            Image(systemName: isOn ? "battery.100" : "battery.25")
                .font(.system(size: 150))
                .foregroundColor(color)

            Text("test text")
                .font(.largeTitle)
                .foregroundColor(color)
                .padding()

        }
        .padding()
    }
}

```

Practice with Built in views Keep Going with Apps

```
import SwiftUI

struct StoryEditor: View {
    @State var name: String = ""
    @State var hobby: String = ""
    @State var favoriteFood: String = ""

    var body: some View {
        VStack {
            Text("Hello, my name is \(name), my favorite hobby is \(hobby)
and I can't stop eating \(favoriteFood)!")

            TextField("Enter name", text: $name)
            TextField("Enter hobby", text: $hobby)
            TextField("Enter favorite food", text: $favoriteFood)

        }
        .padding()
    }
}

struct StoryEditor_Previews: PreviewProvider {
    static var previews: some View {
        StoryEditor()
    }
}
```

```
import SwiftUI

struct SlidingRectangle: View {
    @State var sliderAmount: Double = 0

    var body: some View {
        VStack {
            Slider(value: $sliderAmount)
            Rectangle()
                .frame(width: sliderAmount * 300)
                .foregroundColor(.blue)
        }
        .padding()
    }
}
```

Navigating in SwiftUI Keep Going with Apps

NavigationExperiment Keep Going with Apps Navigating in SwiftUI

```
import SwiftUI

struct NavigationExperiment: View {
    var body: some View {
        VStack {
            NavigationLink("Link 1") {
                Text("This is the destination")
                    .navigationTitle("Destination")
            }

            NavigationLink("Link 2") {
                Text("Destination 2")
                    .navigationTitle("Destination 2")
            }
        }
    }
}

struct NavigationExperiment_Previews: PreviewProvider {
    static var previews: some View {
        NavigationExperiment().assess()
    }
}
```

NavigationSplitViewExperiment Keep Going with Apps Navigating in SwiftUI

```
import SwiftUI

struct NavigationSplitViewExperiment: View {
    var body: some View {
        VStack {
            NavigationSplitView {
                List {
                    NavigationLink{
                        SlidingRectangle()
                            .navigationTitle("Sliding rectangle")
                    } label: {
                        HStack {
                            Text("Tap to navigate")
                            Spacer()
                            Image(systemName: "arrow.forward.circle")
                                .font(.largeTitle)
                        }
                    }
                    NavigationLink("Second link") {
                        Text("2")
                    }
                    NavigationLink {
                        Image(systemName: "arrow.forward.circle")
                    } label: {
```



```

        Text("New navigation link")
    }
}
} detail: {
    Text("a")
}
}
}
}

struct NavigationSplitViewExperiment_Previews: PreviewProvider {
    static var previews: some View {
        NavigationSplitViewExperiment().assess()
    }
}

```

MyApp Keep Going with Apps Navigating in SwiftUI

```

import SwiftUI
import Guide
// #-learning-code-snippet(myApp)

@main
struct MyApp: App {
    var body: some Scene {
        SPCAssessableWindowGroup(app: self, assessmentCandidates:
[CreatureZoo()]) {
            NavigationStack {
                ContentView()
                    .navigationTitle("My Creatures")
            }
        }
    }
}

```

ContentView Keep Going with Apps Navigating in SwiftUI

```

import SwiftUI
import Guide

struct ContentView: View {
    // #-learning-code-snippet(usingCreatureZoo)

    // #-learning-code-snippet(declareEnvironmentObject)

    var body: some View {
        SPCAssessableGroup(view: self) {

```

```

        List {
            Text("ContentView")

            Section("Dance") {
                NavigationLink {
                    DancingCreatures()
                } label: {
                    Text("make some creatures dance around")
                }
            }
        }
        // #-learning-code-snippet(createAList)
        // #-learning-code-snippet(deleteACreature)
    }
    // #-learning-code-snippet(addToolBarContentView)
}
}
}

```

Sharing Data Between Views Keep Going with Apps

CreatureZoo Keep Going with Apps Sharing Data Between Views

```

import SwiftUI

class CreatureZoo : ObservableObject {

    @Published var creatures = [
        Creature(name: "Gorilla", emoji: "🦍"),
        Creature(name: "Peacock", emoji: "🦚"),
        Creature(name: "Squid", emoji: "🦑"),
        Creature(name: "T-Rex", emoji: "🦖"),
        Creature(name: "Ladybug", emoji: "🐞"),
    ]
}

struct Creature : Identifiable {
    var name : String
    var emoji : String

    var id = UUID()
    var offset = CGSize.zero
    var rotation : Angle = Angle(degrees: 0)
}

```

ContentView Keep Going with Apps Sharing Data Between Views

```

import SwiftUI
import Guide

struct ContentView: View {
    // @StateObject var data = CreatureZoo()
    @EnvironmentObject var data : CreatureZoo

    var body: some View {
        SPCAssessableGroup(view: self) {
            List {
                Text("ContentView")

                Section("Dance") {
                    NavigationLink {
                        DancingCreatures()
                            .navigationTitle("Dancing Creatures")
                    } label: {
                        Text("Make some creatures dance around")
                    }
                }
                ForEach(data.creatures) { creature in
                    CreatureRow(creature: creature)
                }

                /*#-code-walkthrough(forEach.id)*/
                ForEach(data.creatures) { creature in
                    /*#-code-walkthrough(forEach.id)*/
                    HStack {
                        Text(creature.name)
                            .font(.title)
                        Spacer()
                        Text(creature.emoji)
                            /*#-code-walkthrough(resizableFont)*/
                            .resizableFont()
                            /*#-code-walkthrough(resizableFont)*/
                            .frame(minWidth: 125)
                    }
                }
            }
        }
    }
}

```

MyApp Keep Going with Apps Sharing Data Between Views

```

import SwiftUI
import Guide

```

```

@main
/*#-code-walkthrough(myApp.appProtocol)*/
struct MyApp: App {
    /*#-code-walkthrough(myApp.appProtocol)*/
    @StateObject var data = CreatureZoo()

    /*#-code-walkthrough(myApp.body)*/
    var body: some Scene {
        SPCAssessableWindowGroup(app: self, assessmentCandidates:
[CreatureZoo()]) {
            NavigationStack {
                ContentView()
                    .navigationTitle("My Creatures")
            }
            .environmentObject(data)
        } /*#-code-walkthrough(myApp.contentView)*/
    }
} /*#-code-walkthrough(myApp.body)*/
}

```

Create a New View to Share data Keep Going with Apps

DancingCreatures Keep Going with Apps Create a New View to Share data

```

import SwiftUI
import Guide

struct DancingCreatures: View {
    @EnvironmentObject var data : CreatureZoo

    var body: some View {
        SPCAssessableGroup(view: self) {
            VStack {
                ZStack {
                    ForEach(data.creatures) { creature in
                        Text(creature.emoji)
                            .resizableFont()
                            .offset(creature.offset)
                            .rotationEffect(creature.rotation)
                            .animation(.spring(response: 0.5,
dampingFraction: 0.5), value: creature.rotation)
                            .animation(.default, value: creature.offset)
                    }
                }
            }
            .animation(.default.delay(data.indexFor(creature) / 10), value:
creature.offset)
        }
    }
}

```

Add and delete creatures Keep Going with Apps

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```

        snippet(addCreatureToCreatureZoo)
            dismiss()
        }
    }
}

struct CreatureEditor_Previews: PreviewProvider {
    static var previews: some View {
        NavigationStack() {
            CreatureEditor().environmentObject(CreatureZoo())
        }
    }
}

```

ContentView Add and delete creatures Keep Going with Apps

```

import SwiftUI
import Guide

struct ContentView: View {
    // @StateObject var data = CreatureZoo()
    @EnvironmentObject var data : CreatureZoo

    var body: some View {
        SPCAssessableGroup(view: self) {
            List {
                Text("ContentView")

                Section("Dance") {
                    NavigationLink {
                        DancingCreatures()
                            .navigationTitle("Dancing Creatures")
                    } label: {
                        Text("Make some creatures dance around")
                    }
                }
            }
            ForEach(data.creatures) { creature in

                NavigationLink {
                    CreatureDetail(creature: creature)
                        .navigationTitle(creature.name)
                } label: {
                    CreatureRow(creature: creature)
                }
            }
        }

        /*#-code-walkthrough(forEach.id)*/
    }
}

```

```

//     ForEach(data.creatures) { creature in
//          /*#-code-walkthrough(forEach.id)*/
//          HStack {
//              Text(creature.name)
//              .font(.title)
//              Spacer()
//              Text(creature.emoji)
//              /*#-code-walkthrough(resizableFont)*/
//              .resizableFont()
//              /*#-code-walkthrough(resizableFont)*/
//              .frame(minWidth: 125)
//          }
//      }
//      .onDelete { indexSet in
//          data.creatures.remove(atOffsets: indexSet)
//      }
//  }
//  .toolbar {
//      ToolbarItem {
//          NavigationLink("Add") {
//              CreatureEditor()
//              .navigationTitle("Add Creature")
//          }
//      }
//  }
//  }
//  }
}

```

Add a CreatureDetail view

CreatureDetail Add a CreatureDetail view Keep Going with Apps

```

import SwiftUI
struct CreatureDetail: View {
    let creature : Creature

    @State var isScaled = false
    @State var color = Color.white
    @State var shadowRadius : CGFloat = 0.5
    @State var angle = Angle(degrees: 0)

    var body: some View {
        VStack {
            Text(creature.emoji)
                .resizableFont()
                .colorMultiply(color)
                .shadow(color: color, radius: shadowRadius * 40)
                .rotation3DEffect(isScaled ? Angle(degrees: 0) :
                    Angle(degrees: 360), axis: (x: 5, y: 2, z: 1))
        }
    }
}

```

```

        .scaleEffect(isScaled ? 1.5 : 1)
        .animation(.spring(response: 0.5, dampingFraction: 0.5,
blendDuration: 0.5), value: isScaled)

        Button("Scale") {
            isScaled.toggle()
        }

        ColorPicker("Choose a Color", selection: $color)

        HStack {
            Text("Shadow")
            Slider(value: $shadowRadius)
        }

    }
    .padding()
}

struct CreatureDetail_Previews: PreviewProvider {
    static var previews: some View {
        CreatureDetail(creature: CreatureZoo().creatures.randomElement()
?? Creature(name: "Panda", emoji: "🐼 ")).assess()
    }
}

```

ContentView Add a CreatureDetail view Keep Going with Apps

```

import SwiftUI
import Guide

struct ContentView: View {
    // @StateObject var data = CreatureZoo()
    @EnvironmentObject var data : CreatureZoo

    var body: some View {
        SPCAssessableGroup(view: self) {
            List {
                Text("ContentView")

                Section("Dance") {
                    NavigationLink {
                        DancingCreatures()
                            .navigationTitle("Dancing Creatures")
                    } label: {
                        Text("Make some creatures dance around")
                    }
                }
            }
        }
    }
}

```



```

        ForEach(data.creatures) { creature in

            NavigationLink {
                CreatureDetail(creature: creature)
                    .navigationTitle(creature.name)
            } label: {
                CreatureRow(creature: creature)
            }

        }

//          ForEach(data.creatures) { creature in
//              /*#-code-walkthrough(forEach.id)*/
//              HStack {
//                  Text(creature.name)
//                      .font(.title)
//                  Spacer()
//                  Text(creature.emoji)
//                      /*#-code-walkthrough(resizableFont)*/
//                      .resizableFont()
//                      /*#-code-walkthrough(resizableFont)*/
//                      .frame(minWidth: 125)
//              }
//          }
//          .onDelete { indexSet in
//              data.creatures.remove(atOffsets: indexSet)
//          }
//      }
//      .toolbar {
//          ToolbarItem {
//              NavigationLink("Add") {
//                  CreatureEditor()
//                      .navigationTitle("Add Creature")
//              }
//          }
//      }
//  }
}

```

Playgrounds Keep Going with Apps (files)

Bindings - Playgrounds Keep Going with Apps - Files

```

import SwiftUI

struct Bindings: View {

```

```

@State var isOn = false
@State var color = Color.primary

var body: some View {
    VStack {
        Toggle("Press Me", isOn: $isOn)
        ColorPicker("Pick", selection: $color)

        Image(systemName: isOn ? "battery.100" : "battery.25")
            .font(.system(size: 150))
            .foregroundColor(color)

        Text("test text")
            .font(.largeTitle)
            .foregroundColor(color)
            .padding()
    }
    .padding()
}

struct Bindings_Previews: PreviewProvider {
    static var previews: some View {
        Bindings().assess()
    }
}

```

ConditionalCircle - Playgrounds Keep Going with Apps - Files

```

import SwiftUI

struct ConditionalCircle: View {
    @State var isOn = false

    var body: some View {
        VStack {
            Circle()
                .frame(maxHeight: 200)
                .foregroundColor( isOn ? .purple : .mint )
                .shadow(color: isOn ? .indigo : .orange, radius: 20)
                .scaleEffect(isOn ? 1 : 0.75)
                .animation(.default, value: isOn)

            Button("Press Me") {
                isOn.toggle()
            }
        }
    }
}

```

```

struct SwiftUIView_Previews: PreviewProvider {
    static var previews: some View {
        ConditionalCircle().assess()
    }
}

```

ConditionalViews - Playgrounds Keep Going with Apps - Files

```

import SwiftUI

struct ConditionalViews: View {
    @State var isOn = false
    @State var isReady = false

    var body: some View {
        VStack {
            Button("Toggle Ready") {
                isReady.toggle()
            }
            if isReady {
                Text("Ready!")
            } else {
                Text("Not Ready")
            }

            if isOn {
                Circle()
                    .frame(maxHeight: 200)
                    .foregroundColor(.yellow)
                Text("On")
            } else {
                Circle()
                    .frame(maxHeight: 200)
                    .foregroundColor(.green)
                Text("Off")
            }

            Button("Press Me") {
                isOn.toggle()
            }
        }
    }
}

struct ConditionalViews_Previews: PreviewProvider {
    static var previews: some View {
        VStack {
            ConditionalViews().assess()
        }
    }
}

```

```

    }
}

```

ContentView - Playgrounds Keep Going with Apps - Files

```

import SwiftUI
import Guide

struct ContentView: View {
    // @StateObject var data = CreatureZoo()
    @EnvironmentObject var data : CreatureZoo

    var body: some View {
        SPCAssessableGroup(view: self) {
            List {
                Text("ContentView")

                Section("Dance") {
                    NavigationLink {
                        DancingCreatures()
                            .navigationTitle("Dancing Creatures")
                    } label: {
                        Text("Make some creatures dance around")
                    }
                }
                ForEach(data.creatures) { creature in

                    NavigationLink {
                        CreatureDetail(creature: creature)
                            .navigationTitle(creature.name)
                    } label: {
                        CreatureRow(creature: creature)
                    }
                }
            }
            // ForEach(data.creatures) { creature in
            //     HStack {
            //         Text(creature.name)
            //             .font(.title)
            //         Spacer()
            //         Text(creature.emoji)
            //             .resizableFont()
            //             .frame(minWidth: 125)
            //     }
            // }
            .onDelete { indexSet in
                data.creatures.remove(atOffsets: indexSet)
            }
        }
    }
}

```

```

    }
    .toolbar {
        ToolbarItem {
            NavigationLink("Add") {
                CreatureEditor()
            }.navigationTitle("Add Creature")
        }
    }
}
}
}
}
}
}
}
}
}

```

CreatureDetail - Playgrounds Keep Going with Apps - Files

```

import SwiftUI
struct CreatureDetail: View {
    let creature : Creature

    @State var isScaled = false
    @State var color = Color.white
    @State var shadowRadius : CGFloat = 0.5
    @State var angle = Angle(degrees: 0)

    var body: some View {
        VStack {
            Text(creature.emoji)
                .resizableFont()
                .colorMultiply(color)
                .shadow(color: color, radius: shadowRadius * 40)
                .rotation3DEffect(isScaled ? Angle(degrees: 0) :
Angle(degrees: 360), axis: (x: 5, y: 2, z: 1))
                .scaleEffect(isScaled ? 1.5 : 1)
                .animation(.spring(response: 0.5, dampingFraction: 0.5,
blendDuration: 0.5), value: isScaled)

            Button("Scale") {
                isScaled.toggle()
            }

            ColorPicker("Choose a Color", selection: $color)

            HStack {
                Text("Shadow")
                Slider(value: $shadowRadius)
            }
        }
    }
}

```

```

        .padding()
    }
}

struct CreatureDetail_Previews: PreviewProvider {
    static var previews: some View {
        CreatureDetail(creature: CreatureZoo().creatures.randomElement()
        ?? Creature(name: "Panda", emoji: "🐼")).assess()
    }
}

```

CreatureEditor - Playgrounds Keep Going with Apps - Files

```

import SwiftUI
import Guide

struct CreatureEditor: View {
    @State var newCreature : Creature = Creature(name: "", emoji: "")
    @EnvironmentObject var data : CreatureZoo
    @Environment(\.dismiss) var dismiss

    var body: some View {
        SPCAssessableGroup(view: self) {
            VStack(alignment: .leading) {
                Form {
                    Section("Name") {
                        TextField("Name", text: $newCreature.name)
                    }

                    Section("Emoji") {
                        TextField("Emoji", text: $newCreature.emoji)
                    }

                    Section("Creature Preview") {
                        CreatureRow(creature: newCreature)
                    }
                }
            }
        }
        .toolbar {
            ToolbarItem {
                Button("Add") {
                    data.creatures.append(newCreature)
                    dismiss()
                }
            }
        }
    }
}

```

```

    }
}

struct CreatureEditor_Previews: PreviewProvider {
    static var previews: some View {
        NavigationStack() {
            CreatureEditor().environmentObject(CreatureZoo())
        }
    }
}

```

CreatureRow - Playgrounds Keep Going with Apps - Files

```

import SwiftUI

struct CreatureRow: View {
    var creature : Creature

    var body: some View {
        HStack {
            Text(creature.name)
                .font(.title)

            Spacer()

            Text(creature.emoji)
                .resizableFont()
                .frame(minWidth: 125)
        }
    }
}

struct CreatureRow_Previews: PreviewProvider {
    static var previews: some View {
        CreatureRow(creature: Creature(name: "Dodo Bird", emoji: "🦋"))
    }
}

```

CreatureZoo - Playgrounds Keep Going with Apps - Files

```

import SwiftUI

class CreatureZoo : ObservableObject {
    @Published var creatures = [

```

```

        Creature(name: "Gorilla", emoji: "🦍"),
        Creature(name: "Peacock", emoji: "🦚"),
        Creature(name: "Squid", emoji: "🦑"),
        Creature(name: "T-Rex", emoji: "🦖"),
        Creature(name: "Ladybug", emoji: "🐞"),
    ]
}

struct Creature : Identifiable {
    var name : String
    var emoji : String

    var id = UUID()
    var offset = CGSize.zero
    var rotation : Angle = Angle(degrees: 0)
}

```

CreatureZooExtension - Playgrounds Keep Going with Apps - Files

```

import SwiftUI

extension CreatureZoo {
    func randomizeOffsets() {
        for index in creatures.indices {
            creatures[index].offset = CGSize(width: CGFloat.random(in:
-200...200), height: CGFloat.random(in: -200...200))
            creatures[index].rotation = Angle(degrees: Double.random(in:
0...720))
        }
    }

    func synchronizeOffsets() {
        let randomOffset = CGSize(width: CGFloat.random(in: -200...200),
height: CGFloat.random(in: -200...200))
        for index in creatures.indices {
            creatures[index].offset = randomOffset
        }
    }

    func indexFor(_ creature: Creature) -> Double {
        if let index = creatures.firstIndex(where: { $0.id == creature.id
}) {
            return Double(index)
        }
        return 0.0
    }
}

```


DancingCreatures - Playgrounds Keep Going with Apps - Files

```
import SwiftUI
import Guide

struct DancingCreatures: View {
    @EnvironmentObject var data : CreatureZoo

    var body: some View {
        SPCAssessableGroup(view: self) {
            VStack {
                ZStack {
                    ForEach(data.creatures) { creature in
                        Text(creature.emoji)
                            .resizableFont()
                            .offset(creature.offset)
                            .rotationEffect(creature.rotation)
                            .animation(.spring(response: 0.5,
dampingFraction: 0.5), value: creature.rotation)
                            .animation(.default, value: creature.offset)

                    }
                }
            }
            .onTapGesture {
                data.randomizeOffsets()
            }
        }
    }
}

struct DancingCreatures_Previews: PreviewProvider {
    static var previews: some View {
        DancingCreatures().environmentObject(CreatureZoo())
    }
}
```

MyApp - Playgrounds Keep Going with Apps - Files

```
import SwiftUI
import Guide

@main
struct MyApp: App {
    @StateObject var data = CreatureZoo()
```

```

    var body: some Scene {
        SPCAssessableWindowGroup(app: self, assessmentCandidates:
[CreatureZoo()]) {
            NavigationStack {
                ContentView()
                    .navigationTitle("My Creatures")
            }
            .environmentObject(data)
        }
    }
}

```

NavigationExperiment - Playgrounds Keep Going with Apps - Files

```

import SwiftUI

struct NavigationExperiment: View {
    var body: some View {
        VStack {
            NavigationLink("Link 1") {
                Text("This is the destination")
                    .navigationTitle("Destination")
            }

            NavigationLink("Link 2") {
                Text("Destination 2")
                    .navigationTitle("Destination 2")
            }
        }
    }
}

struct NavigationExperiment_Previews: PreviewProvider {
    static var previews: some View {
        NavigationExperiment().assess()
    }
}

```

NavigationSplitViewExperiment - Playgrounds Keep Going with Apps - Files

```

import SwiftUI

struct NavigationSplitViewExperiment: View {
    var body: some View {
        VStack {
            NavigationSplitView {
                List {

```

```

        NavigationLink{
            SlidingRectangle()
                .navigationTitle("Sliding rectangle")
        } label: {
            HStack {
                Text("Tap to navigate")
                Spacer()
                Image(systemName: "arrow.forward.circle")
                    .font(.largeTitle)
            }
        }
        NavigationLink("Second link") {
            Text("2")
        }
        NavigationLink {
            Image(systemName: "arrow.forward.circle")
        } label: {
            Text("New navigation link")
        }
    }
    } detail: {
        Text("a")
    }
}
}

struct NavigationSplitViewExperiment_Previews: PreviewProvider {
    static var previews: some View {
        NavigationSplitViewExperiment().assess()
    }
}

```

ResizableFont - Playgrounds Keep Going with Apps - Files

```

import SwiftUI

extension View {
    func resizableFont(maximumFontSize: Double = 125, minimumScaleFactor: Double = 0.01) -> some View {
        self.modifier(FlexibleFontModifier(maximumFontSize: maximumFontSize, minimumScaleFactor: minimumScaleFactor))
    }
}

struct FlexibleFontModifier: ViewModifier {
    var maximumFontSize: Double
    var minimumScaleFactor : Double

    func body(content: Content) -> some View {

```

```
        content
        .font(.system(size: maximumFontSize))
        .minimumScaleFactor(minimumScaleFactor)
    }
}
```

SlidingRectangle - Playgrounds Keep Going with Apps - Files

```
import SwiftUI

struct SlidingRectangle: View {
    @State var sliderAmount: Double = 0

    var body: some View {
        VStack {
            Slider(value: $sliderAmount)
            Rectangle()
                .frame(width: sliderAmount * 300)
                .foregroundColor(.blue)
        }
        .padding()
    }
}

struct SlidingRectangle_Previews: PreviewProvider {
    static var previews: some View {
        SlidingRectangle().assess()
    }
}
```

StoryEditor - Playgrounds Keep Going with Apps - Files

```
import SwiftUI

struct StoryEditor: View {
    @State var name: String = ""
    @State var hobby: String = ""
    @State var favoriteFood: String = ""

    var body: some View {
        VStack {
            Text("Hello, my name is \(name), my favorite hobby is \(hobby) and I can't stop eating \(favoriteFood)!")

            TextField("Enter name", text: $name)
            TextField("Enter hobby", text: $hobby)
        }
    }
}
```

```

        TextField("Enter favorite food", text: $favoriteFood)
    }
    .padding()
}

struct StoryEditor_Previews: PreviewProvider {
    static var previews: some View {
        StoryEditor()
    }
}

```

TestView - Playgrounds Keep Going with Apps - Files

```

//
// SwiftUIView.swift
//
//
//

import SwiftUI

struct TestView: View {
    @State var isOn = false

    var body: some View {
        VStack {
            Button("Press Me") {
                isOn.toggle()
            }

            Circle()
                .frame(maxHeight: 200)
                .foregroundColor(isOn ? .yellow : .black)
                .shadow(color: isOn ? .red : .green, radius: 8)
                .animation(.default, value: isOn)
        }
    }
}

struct TestView_Previews: PreviewProvider {
    static var previews: some View {
        TestView()
    }
}

```

