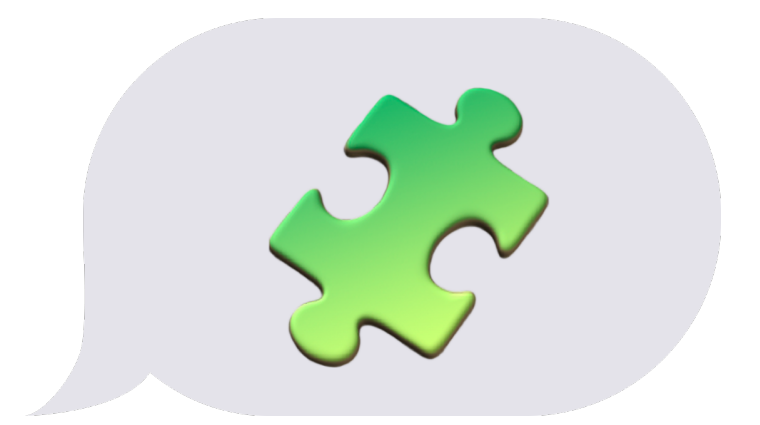
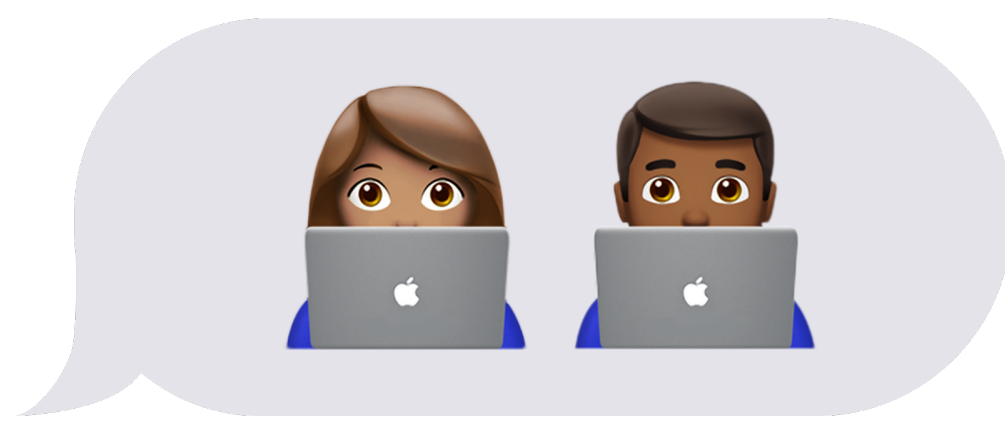
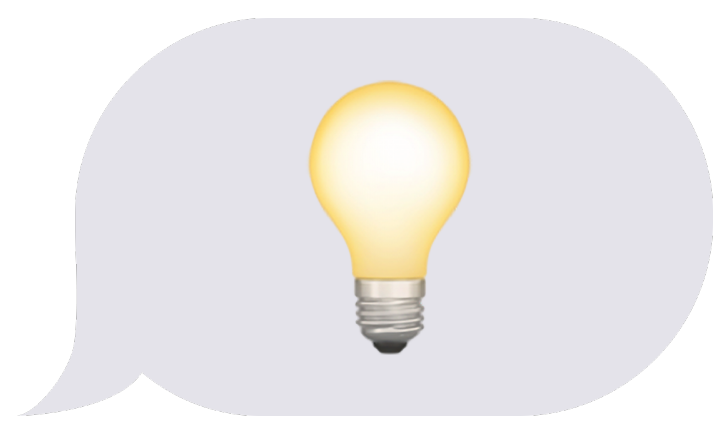
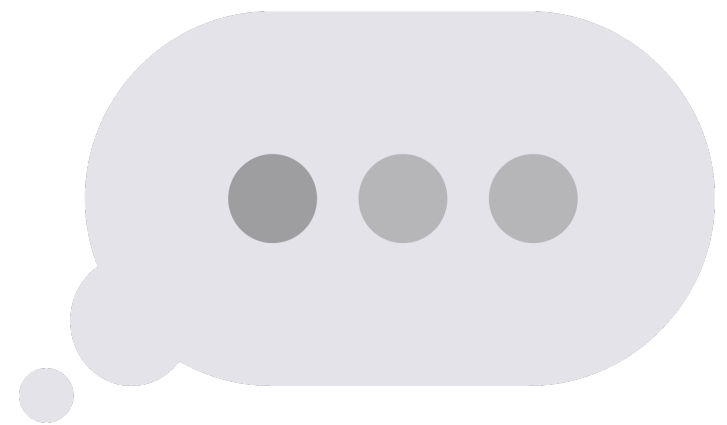


移动平台开发

实验课二：SwiftUI基础



2025春夏学期

SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI



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```
import SwiftUI

struct ContentView: View {
    var body: some View {
        Text("Hello!!!")
    }
}
```

SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI



Large Title

Title 1

Title 2

Title 3

Headline

Callout

Body

Subhead

Footnote

Caption 1

Caption 2

```
import SwiftUI
```

```
struct ContentView: View {
```

```
    var body: some View {
```

```
        Text("Hello!!!")
```

```
        .font(Font.title)
```

```
    }
```

```
}
```

SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI



Large Title

Title 1

Title 2

Title 3

Headline

Callout

Body

Subhead

Footnote

Caption 1

Caption 2

```
import SwiftUI
```

```
struct ContentView: View {
```

```
    var body: some View {
```

```
        Text("Hello!!!")
```

```
            .font(.title)
```

```
    }
```

```
}
```

SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI

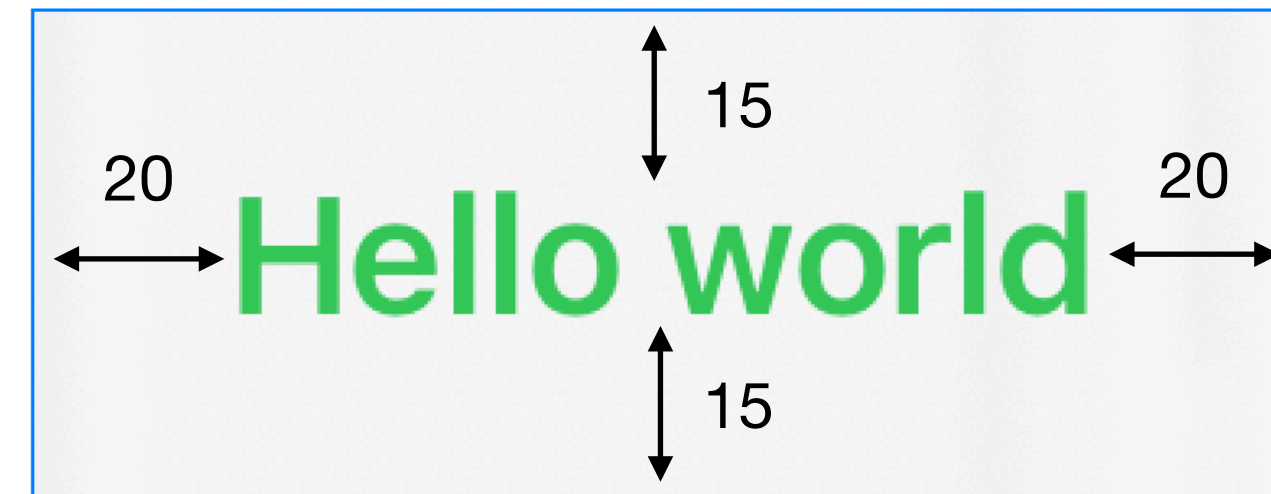
- `font(.title)`
- `foregroundColor(.green)`
- `padding()`
- `background()`
- `cornerRadius(15)`
- ...

SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI



Hello world



.ultraThinMaterial

SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI



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Hello world



Hello world

```
import SwiftUI

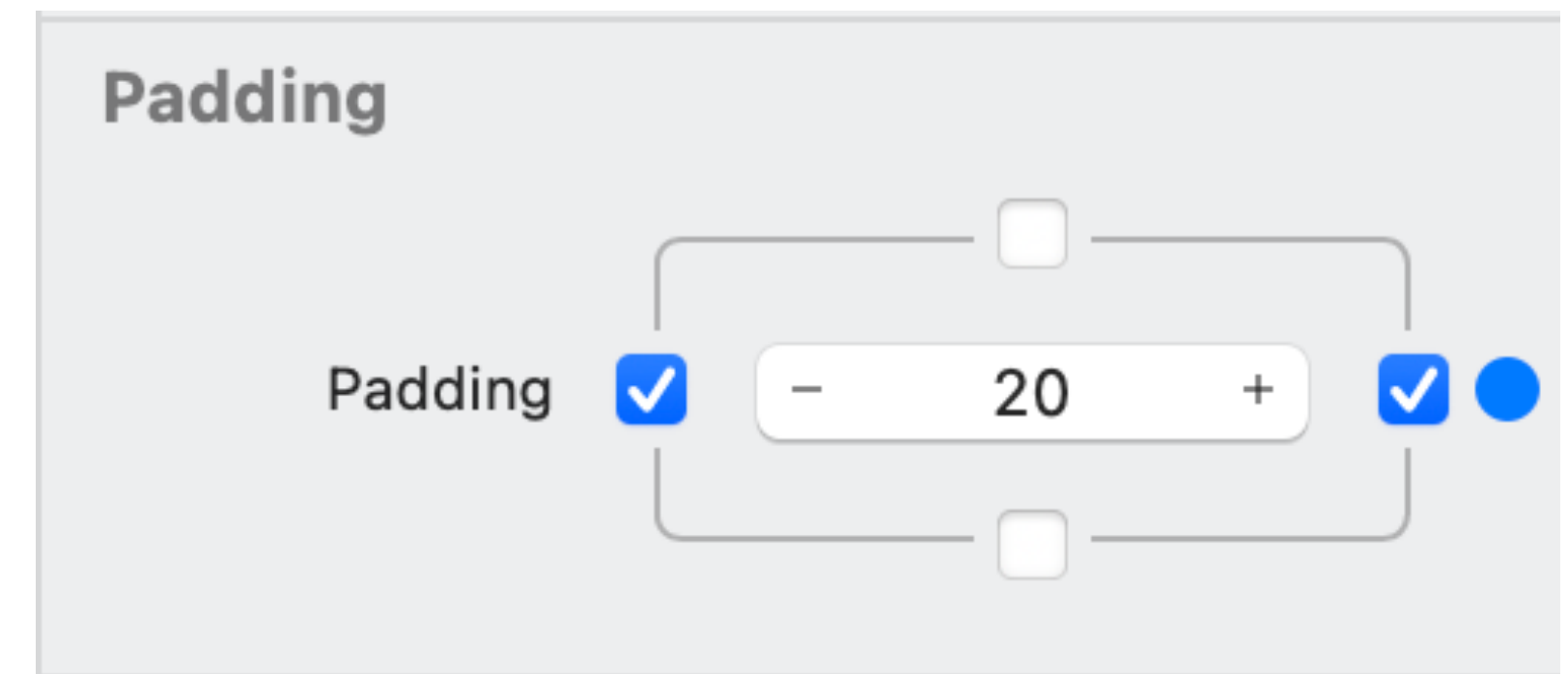
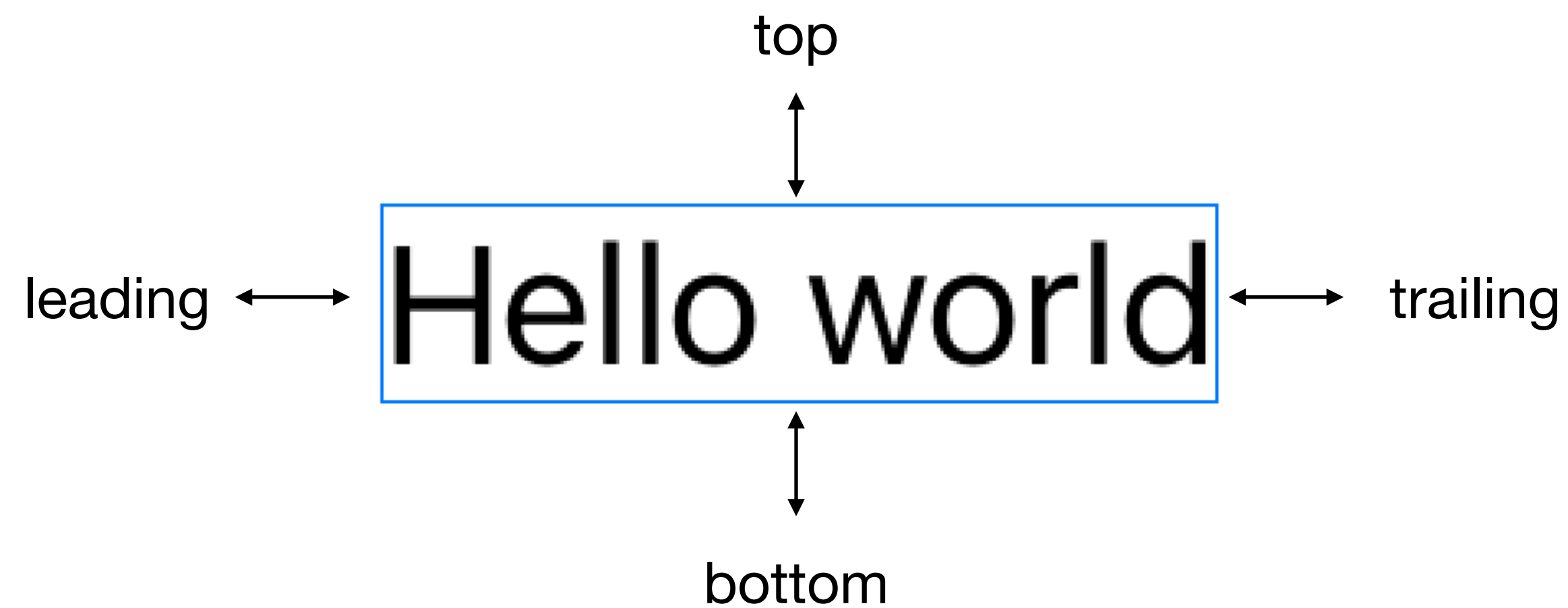
struct ContentView: View {
    var body: some View {
        Text("Hello world")
    }
}
```

```
import SwiftUI

struct ContentView: View {
    var body: some View {
        Text("Hello world")
            .foregroundColor(.green)
            .font(.headline)
            .padding(.horizontal, 20)
            .padding(.vertical, 15)
            .background(.ultraThinMaterial)
    }
}
```

SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI



SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI



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```
import SwiftUI

struct ContentView: View {
    var body: some View {
        Image("MyPhoto")
    }
}
```

SwiftUI中的基础的视图组建

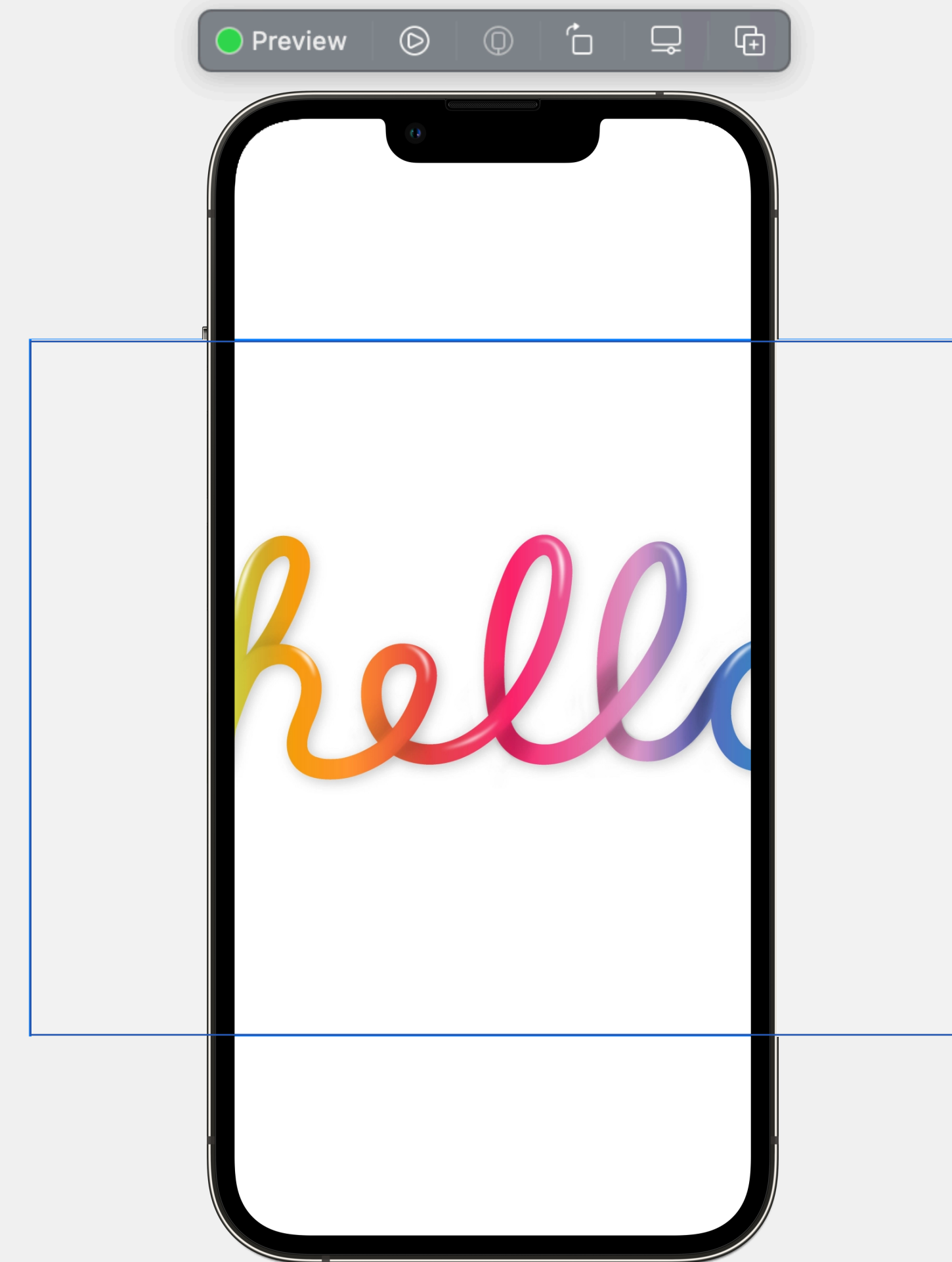
Fundamental elements in SwiftUI



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```
import SwiftUI
```

```
struct ContentView: View {  
    var body: some View {  
        Image("MyPhoto")  
    }  
}
```



SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI



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```
import SwiftUI
```

```
struct ContentView: View {  
    var body: some View {  
        Image("MyPhoto")  
        .resizable()  
    }  
}
```



SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI



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```
import SwiftUI
```

```
struct ContentView: View {
```

```
    var body: some View {
```

```
        Image("MyPhoto")
```

```
        .resizable()
```

```
        .aspectRatio(1.0, contentMode:)
```

```
    }
```

```
}
```

Preview

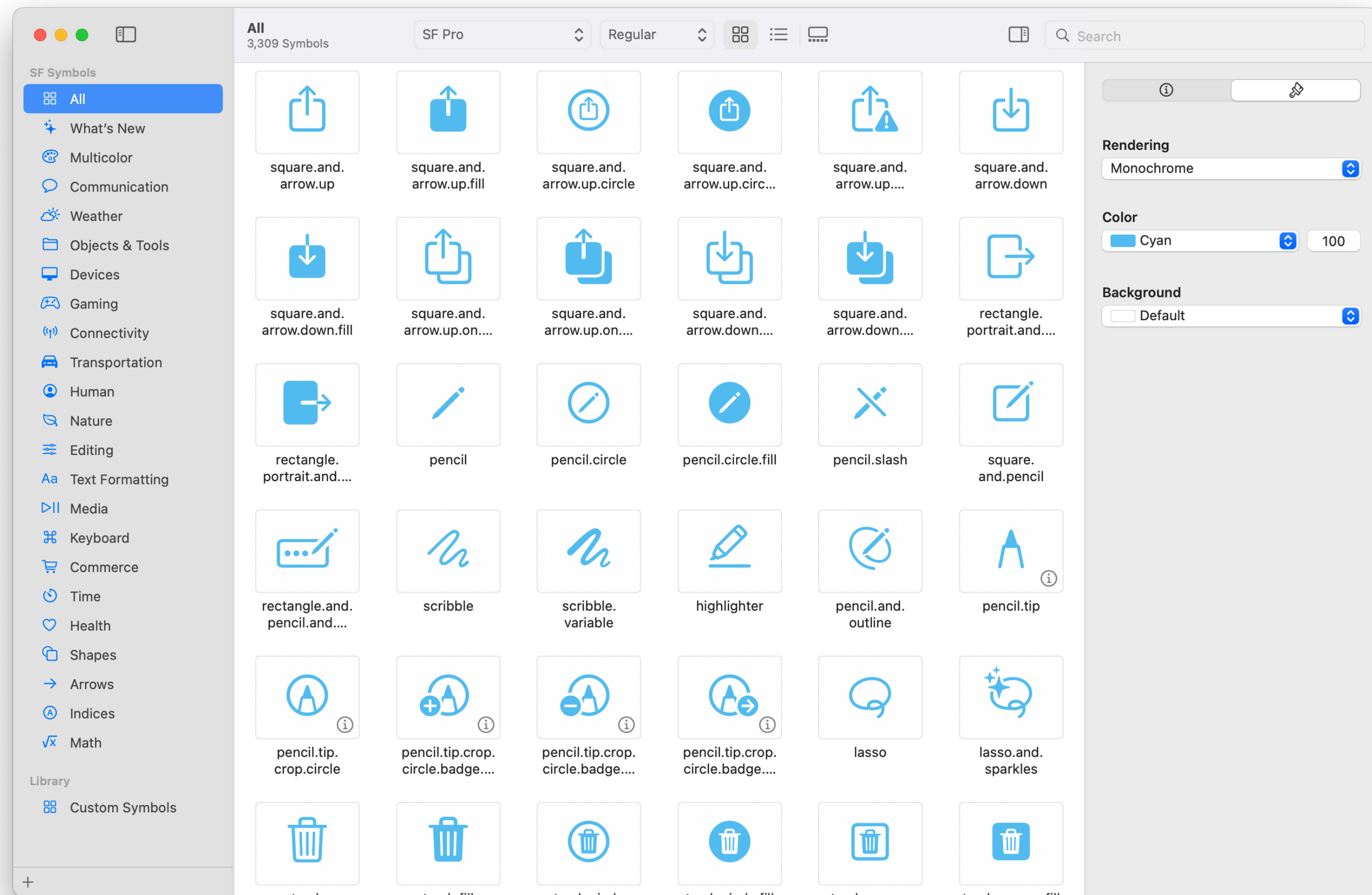


SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI



SF Symbols



SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI



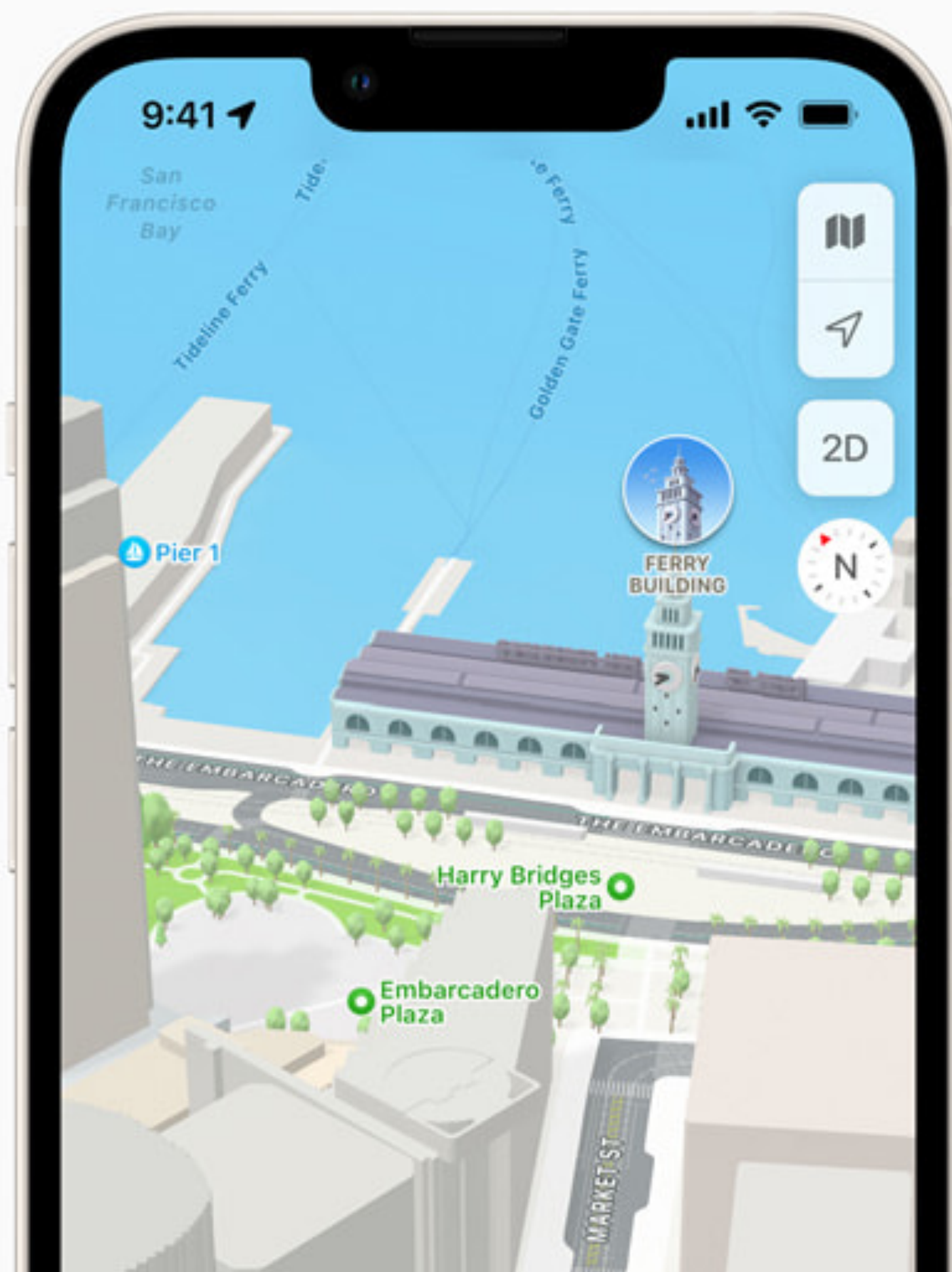
SF Symbols

<https://developer.apple.com/cn/sf-symbols/>



SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI



```
import SwiftUI
```

```
struct ContentView: View {  
    var body: some View {  
        Image(systemName: "pencil")  
    }  
}
```

SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI



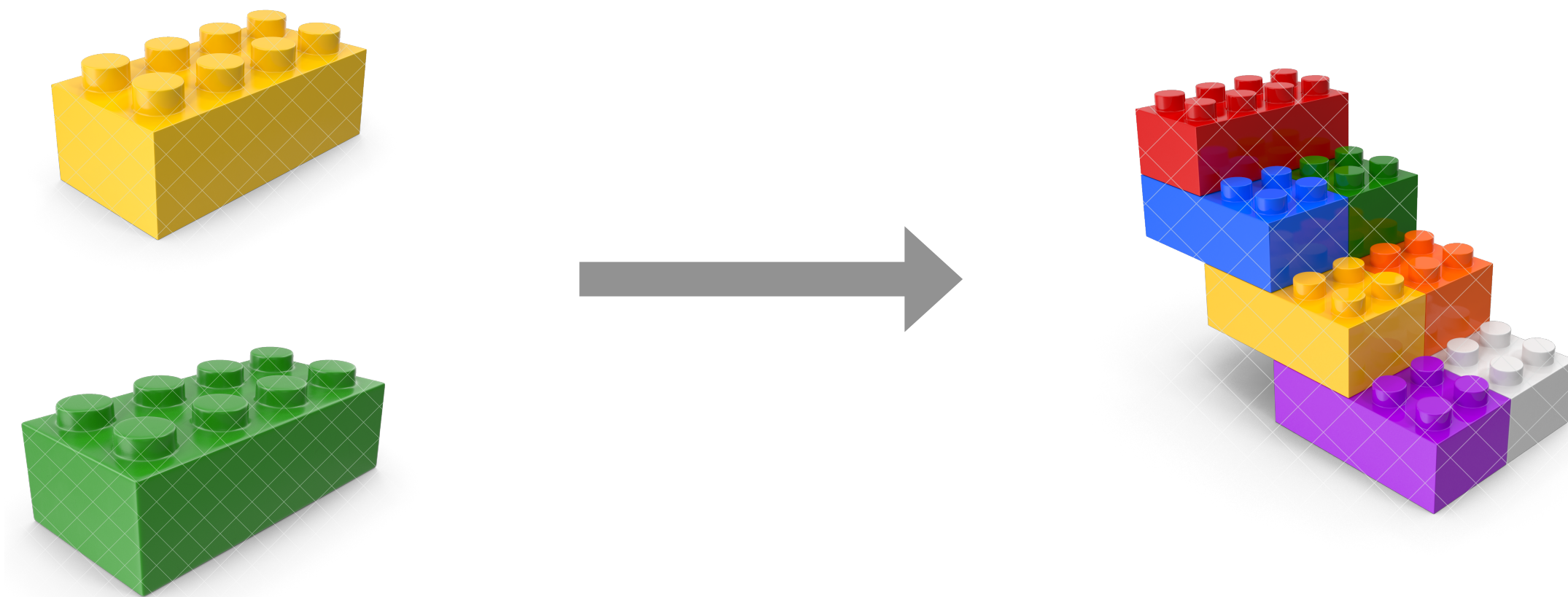
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```
import SwiftUI

struct ContentView: View {
    var body: some View {
        Image("MyPhoto")
        Text("Hello world")
    }
}
```

SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI

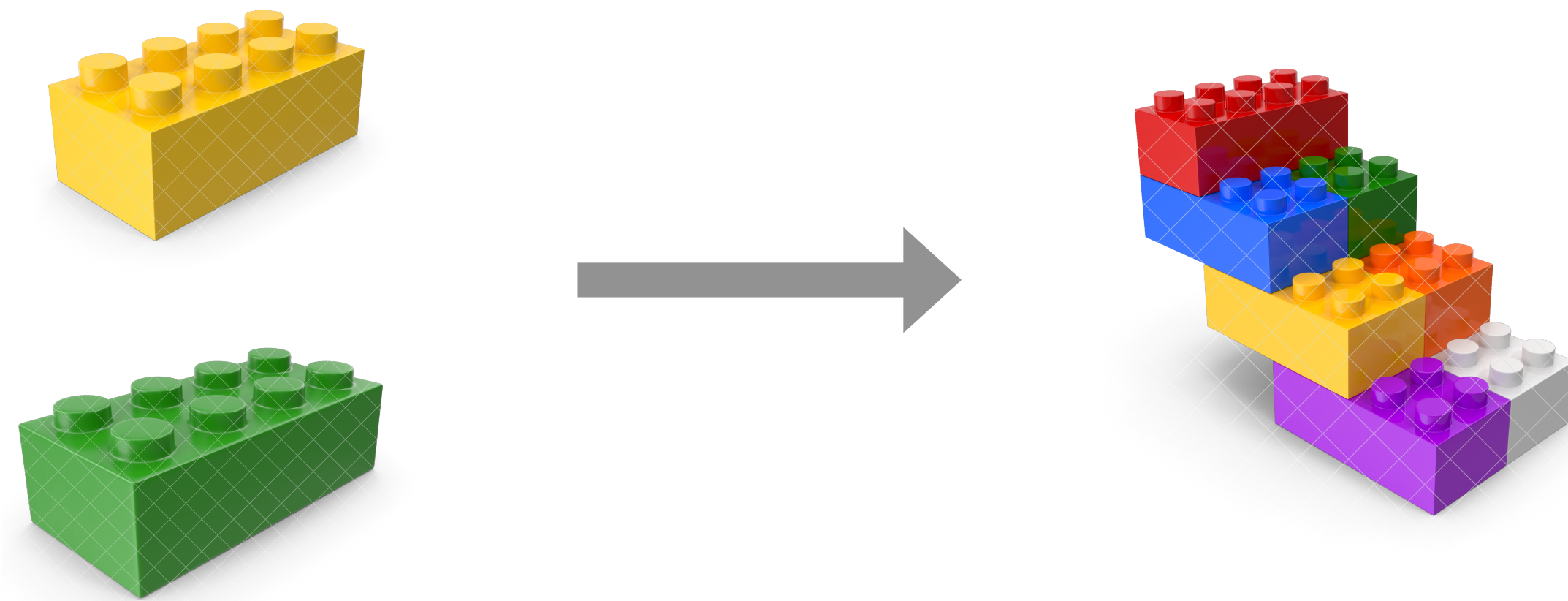


```
import SwiftUI
```

```
struct ContentView: View {  
    var body: some View {  
        Image("MyPhoto")  
        Text("Hello world")  
    }  
}
```

SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI



```
import SwiftUI
```

```
struct ContentView: View {  
    var body: some View {  
        VStack {  
            Image("MyPhoto")  
            Text("Hello world")  
        }  
    }  
}
```

SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI

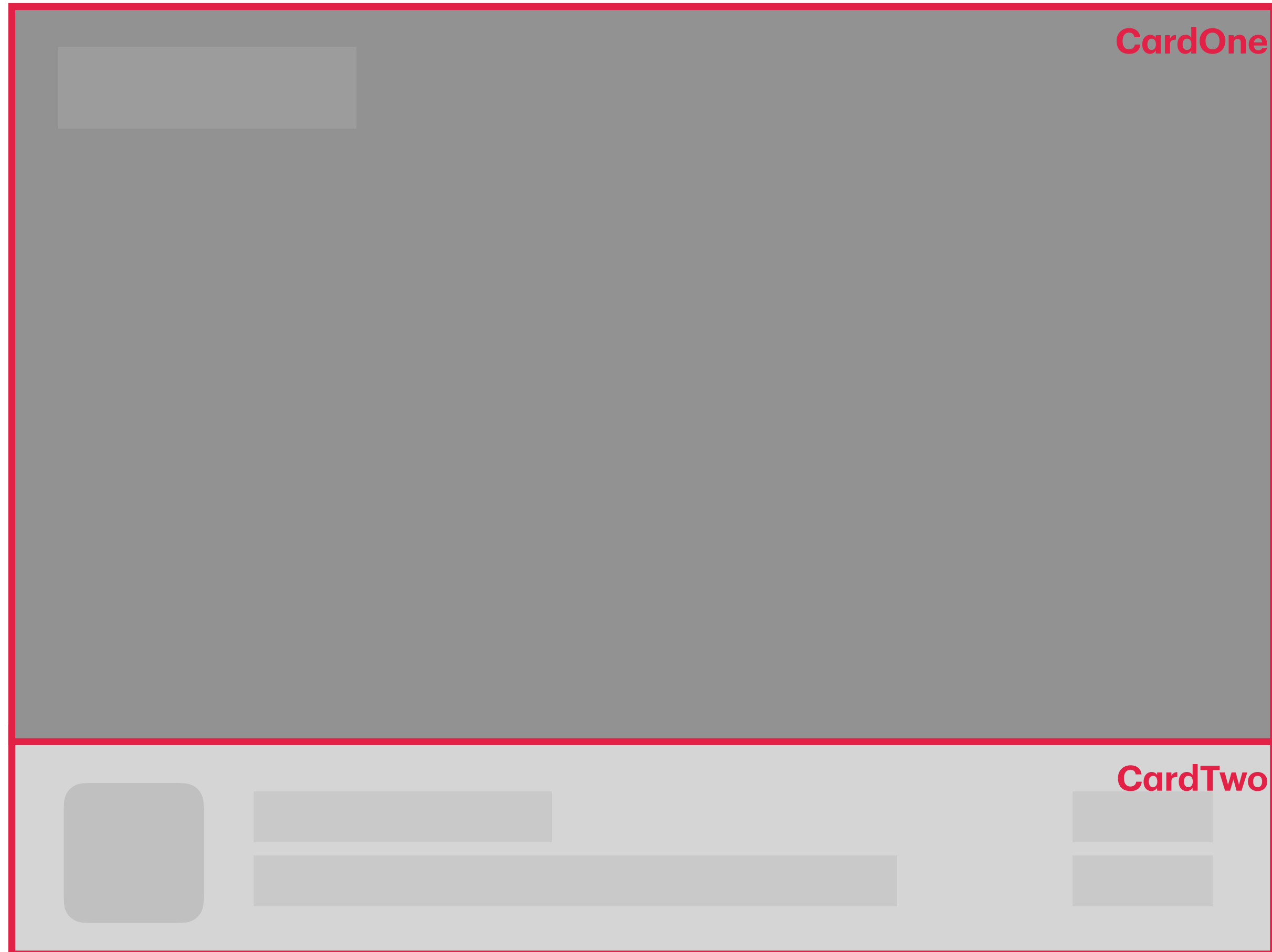


SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI



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```
import SwiftUI
```

```
struct ContentView: View {  
    var body: some View {  
        VStack(spacing: 0){  
            CardOne  
  
            CardTwo  
        }  
    }  
}
```

SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI



```
import SwiftUI

struct ContentView: View {
    var body: some View {
        VStack(spacing: 0){
            CardOne

            CardTwo
        }
    }
}

var CardOne: some View{
    .....
}

var CardTwo: some View{
    .....
}
}
```

SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI



```
var CardOne: some View{  
  
    ZStack{  
        BackgroundImage  
  
        ImageTitle  
    }  
  
}
```

SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI



```
var CardTwo: some View{  
    HStack{  
        AppIcon  
  
        AppDetail  
  
        GetButton  
    }  
}
```

SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI



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```
import SwiftUI
```

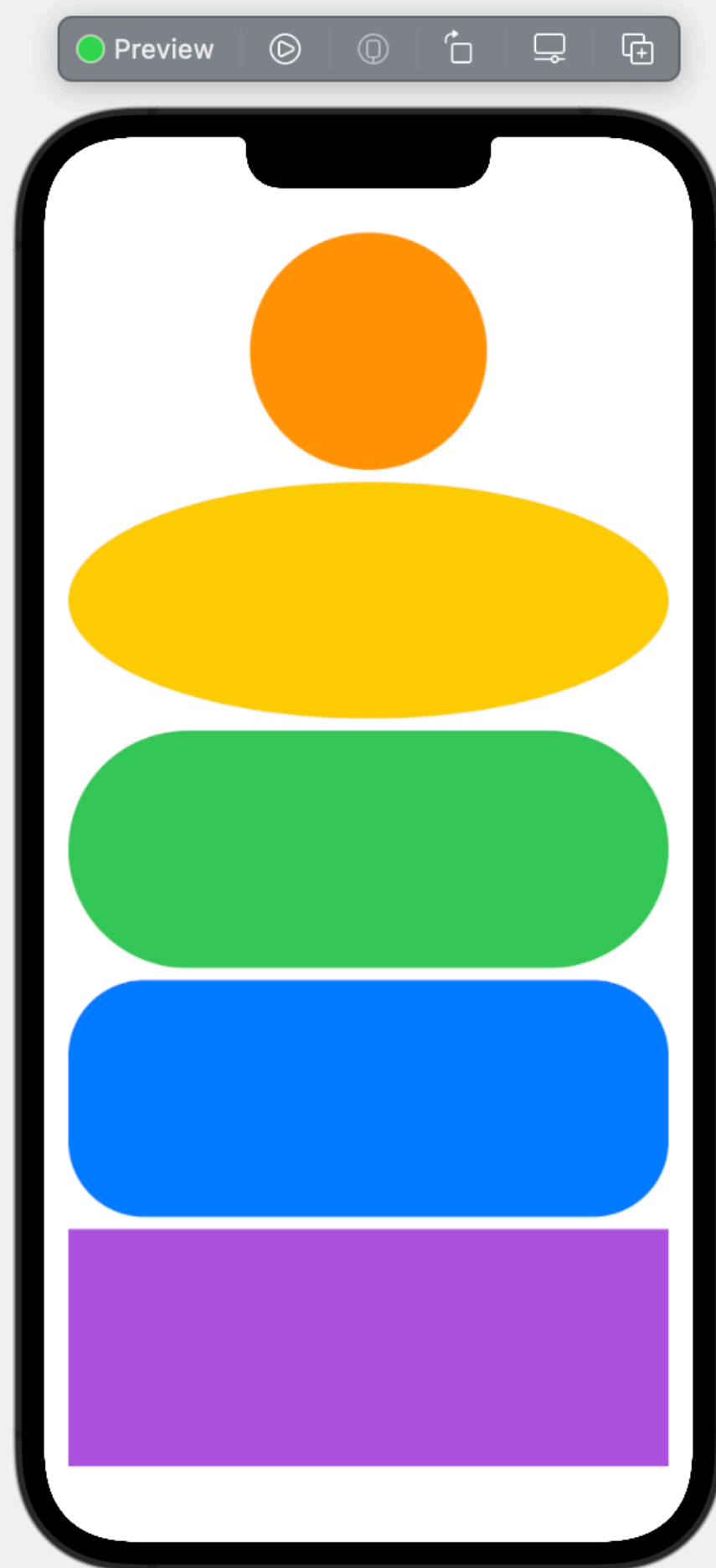
```
struct ContentView: View {  
    var body: some View {  
        Circle()  
    }  
}
```

SwiftUI中的基础的视图组建

Fundamental elements in SwiftUI



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`Circle()`

`Ellipse()`

`Capsule()`

`RoundedRectangle(cornerRadius: 10)`

`Rectangle()`