New Features of Date Picker in iOS 14

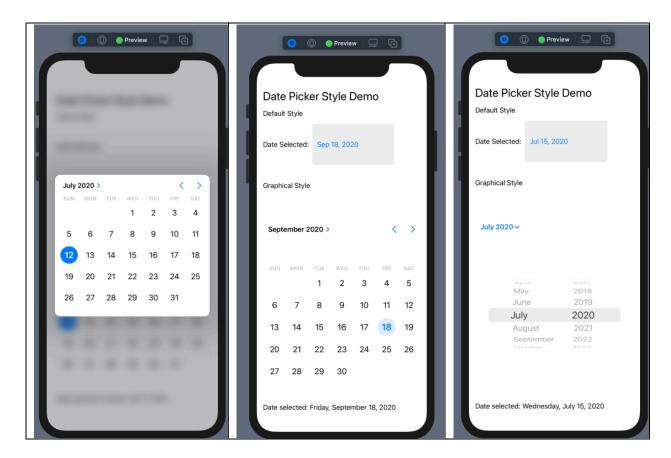
Mazharul Huq July 12, 2020

A new date picker style is available in iOS 14. This is the GraphicalDatePickerStyle. This brief tutorial is on an interesting feature of this style. The default style also has a different behavior from earlier iOS versions. To demonstrate, we create a project with the code:

```
器 〈 〉 🖺 Date Picker Style Demo 〉 🦰 Shared 〉 🖫 ContentView.swift 〉 No Selection
      import SwiftUI
   10 struct ContentView: View {
                                                                                                                           Date Picker Style Demo
           @State private var myDate = Date()
                                                                                                                           Default Style
           var body: some View {
                VStack(alignment:.leading, spacing:15) {
    Text("Date Picker Style Demo")
                                                                                                                           Date Selected: Jul 12, 2020
   15
                           .font(.title)
                     Text("Default Style")
                                                                                                                           Graphical Style
                           .font(.body)
   19
                      DatePicker("Date Selected:", selection: $myDate, displayedComponents:
                                                                                                                            July 2020 >
                           .frame(width: 320, height: 100, alignment: .center)
                           .padding(.bottom, 25)
   21
                      Text("Graphical Style")
                            .font(.body)
                     DatePicker("", selection: $myDate, displayedComponents: .date)
    .datePickerStyle(GraphicalDatePickerStyle())
   24
25
   27
                      Text("Date selected: \(myDate, formatter: getFormatter()) ")
   28
29
30
                           .font(.body)
                }.padding(15)
                                                                                                                                               23
                                                                                                                                                    24
   31
32
                                                                                                                                               30
            func getFormatter () -> DateFormatter {
            let formater = DateFormatter ()
                                                                                                                           Date selected: Sunday, July 12, 2020
                 formater.dateStyle = .full
   35
                 return formater
   36
```

In the case of the default style, if we tap on the date, a popup appears in month view permitting us to change the date.

For the Graphical style used by the second date picker, we can use <> to navigate to a new month and tap on > to change the > button to change the month view to wheel view. The screen shots display these:



The left screen shows the popup month view for the default style. We choose a different date and dismiss it by tapping outside the month view. The middle screen shot shows when we change the displayed month for the graphical style. The right screen shot is when we change graphical style to display the date wheel.

A complete coverage of date picker with related document will appear in a separate repository on my GitHub site.