

Exercise - 2

September 2, 2021



Objective

Create a simple application “Weather App” that shows weather in a specific day in a week.

Motivation

Labels, buttons, text fields, and alerts are the fundamental building blocks for creating any iOS applications.

Must Follow

You must follow the rules below. Otherwise, you will get **50% of your actual score.**

1. Start your XCode project “**Exercise2_LastName_FirstName**” (replace **LastName** with your last name and **FirstName** with your first name).
 - a. **DON’T DO** the following:
 - i. Start with any other project name and change the zip file name later.
 - ii. This will not be accepted at all.
2. You must have to do the exercise compatible in **XCode 12.5.1 version.**

Tips

- **Read the question carefully, then start coding!**
- **Build, Build, and Build**
 - If you add anything on storyboard → **Build**
 - If you make a reference from storyboard → **Build**
 - Do not wait until finishing all parts and build.
 - You will not be able to understand where the problem is.

Details

Create a single view iPhone application using Swift as a programming language. Start your XCode project “**Exercise2_LastName_FirstName**” (replace **LastName** with your last name and **FirstName** with your first name).

[2 pts] Design your interface to look like the screenshots [Figure 1]

- Design your UI for iPhone 8 Plus in Portrait mode

[2 pts] If the user taps the button “Next Day” and nothing is not entered in the text field; show the next day and weather image (randomly chosen) [Figure 2]

[3 pts] If the user taps the button “Next Day”, entering input in the text field, Check the input is a valid day or not.

1. The day is not valid if it is not in the following list. Show the appropriate pop-up message to alert the user to enter the valid day. [Figure 3]

["Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday", "Sunday"]

2. If the day is valid, show the input day on the label and weather image (randomly chosen) [Figure 4]. Clear the text field also.

[2 pts] When the user taps on the “Day Panel” button, show an action sheet that allows the user to pick a day [Figure 5]. The action sheet will show all the days in a week. When the user chooses a day, show that day on the label and weather image (randomly chosen) [Figure 6]

[1 pt.] After choosing from “Day Panel” or user given input, when user taps the button “Next Day”, the functionality should work to show the next day and the weather.

Submission

Zip XCode project and submit to the blackboard. The name of your zip file will be automatically “**Exercise2_LastName_FirstName.zip**” (**LastName** is your last name and **FirstName** is your first name). One submission per person.

Screenshots

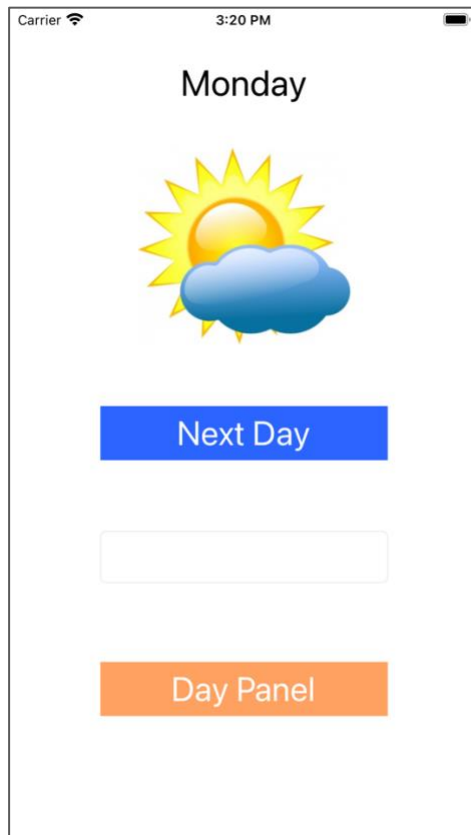


Figure 1

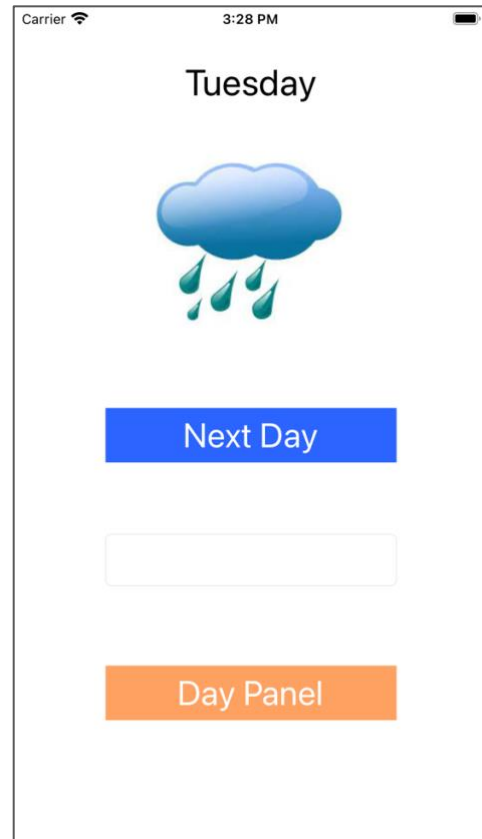


Figure 2

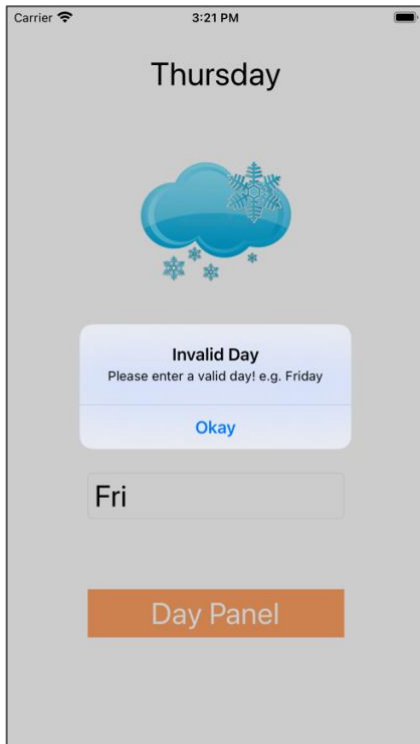


Figure 3

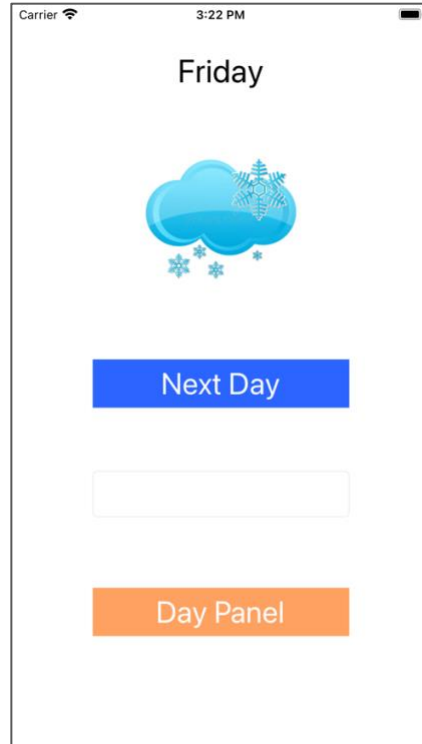


Figure 4

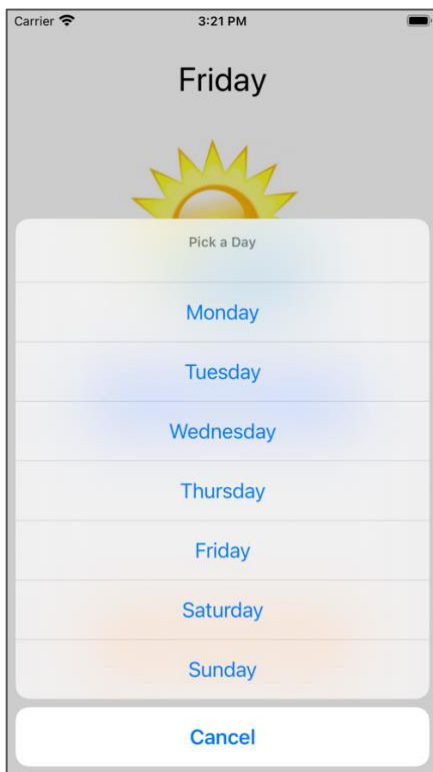


Figure 5

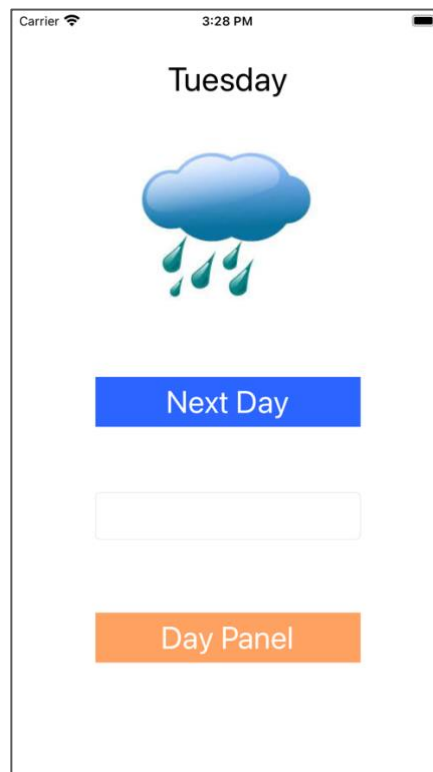


Figure 6