COSC 4355/6355 – Introduction to Ubiquitous Computing

Exercise - 2

August 31, 2023

Objective

Create a simple application “CardHub” that shows brief description about specific topic related to iOS development.

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 14.3.1 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.
    - It is easier to debug after each single feature added.

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 1,2,3]
- Design your UI for iPhone 14 in **Portrait mode**
- Pay attention to colors and font sizes

[2 pts] If the user taps the button "Next card" show the next topic, corresponding text and icon [Figure 1,2,3]

[3 pts] If the user taps the button "Random card", show the random topic, corresponding text and icon [Figure 1,2,3] .

[2 pts] When the user taps on the "Card selector" button, show an action sheet that allows user to pick a topic [Figure 4]. The action sheet will show all available topics. When the user chooses a topic, update the screen.

[1 pt.] Add a splash screen, add a proper icon for the app.

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.

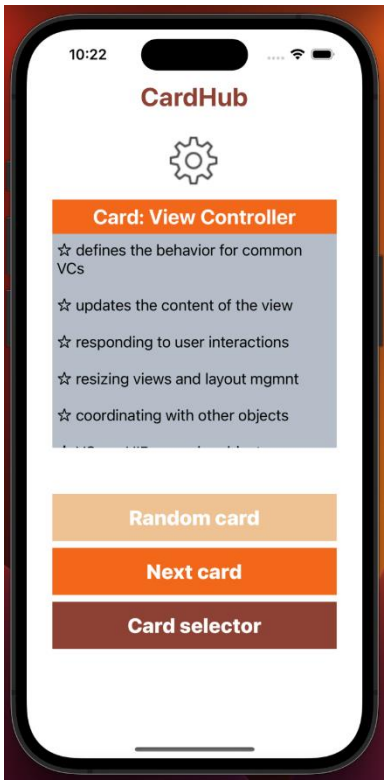

Figure 1

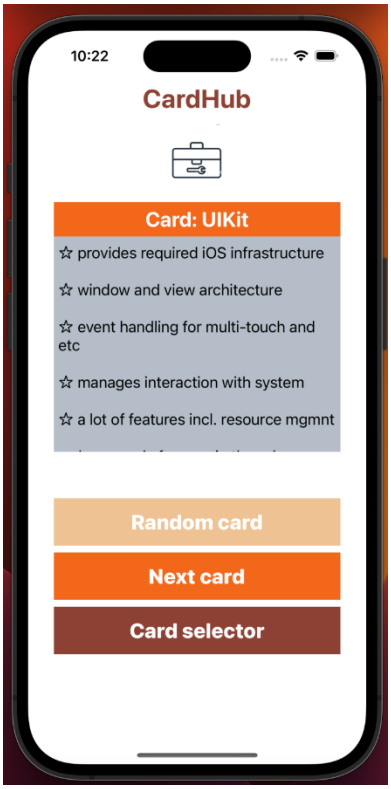

Figure 2

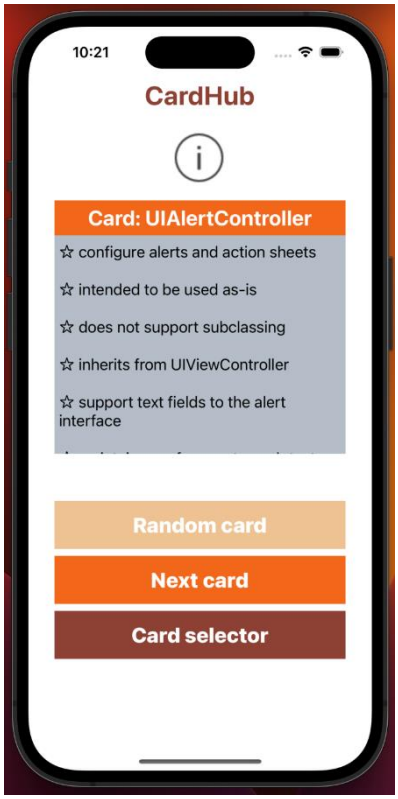

Figure 3

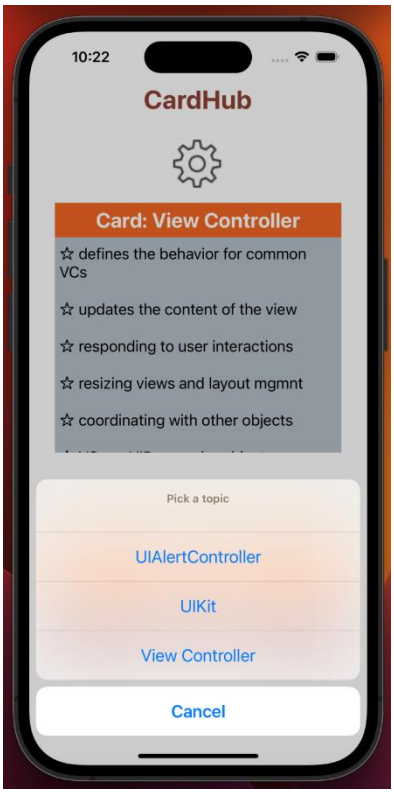

Figure 4

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