Exercise - 5

October 06, 2022

Objective

Create a simple 'UH Parking' info app.

Motivation

Table view, auto layout, urls, json parsing, stacked views, data transfer.

Must Follow

You must follow the rules below. Otherwise, you will get <mark>50% of your actual score.</mark>

1. Start your XCode project "**Exercise5_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 with **XCode version 13.4.1** or **XCode version 14.1**.

Tips

- **Read the question carefully, then start coding!**
- **Build, Build, and Build**

    o If you add anything on storyboard -> **Build**
    o If you make a reference from storyboard -> **Build**
    o Do not wait until finishing all parts and build.
    o It is easier to debug after each single feature added.

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Details

Create a multiple view iPhone application using Swift as a programming language. Start your XCode project "**Exercise5_LastName_FirstName**" (replace **LastName** with your last name and **FirstName** with your first name).

[3 pts] Design your interface to look like the screenshots [Figures 1, 2, 3]
 • Design your UI for **all iPhone devices (starting from iPhone 8)** in **Portrait** [Figures 1, 2] and **Landscape** [Figure 3] mode
 • Pay attention to images, icons, colors, fonts and font sizes

[5 pts] Application gets the data from the remote json file, located at the address:
https://cpl.uh.edu/courses/ubicomp/fall2022/webservice/parking/parkinglots.json
You need to download and parse that file. Data is populated to the cell prototype.
At the initial [Figure 1] screen parking zone logo and the amount of free spots are depicted.
At the details [Figure 2] screen parking map, parking lots and general info are depicted.

[1 pts] Screens are always showing valid information from the JSON file. Details screen is always showing correct parking zone info.

[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 "**Exercise4_LastName_FirstName.zip**" (**LastName** is your last name and **FirstName** is your first name). One submission per person.
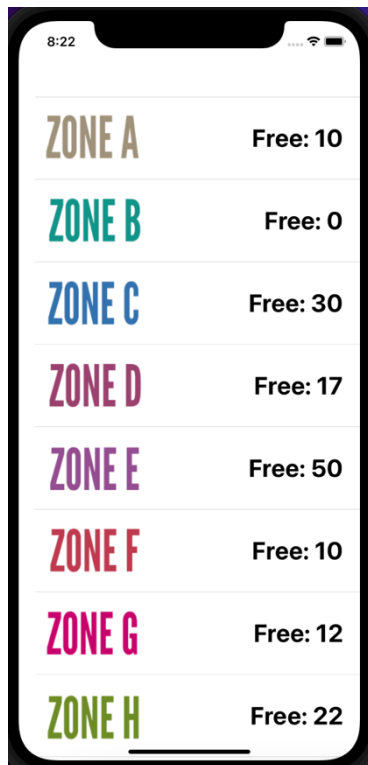
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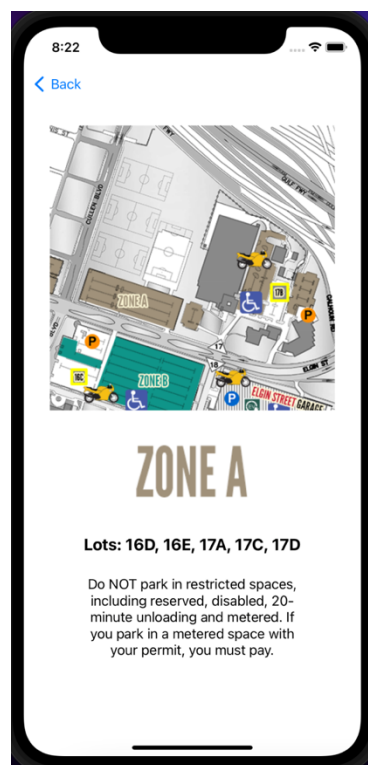HOUSTON

Figure 1

Figure 2

Figure 3

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