

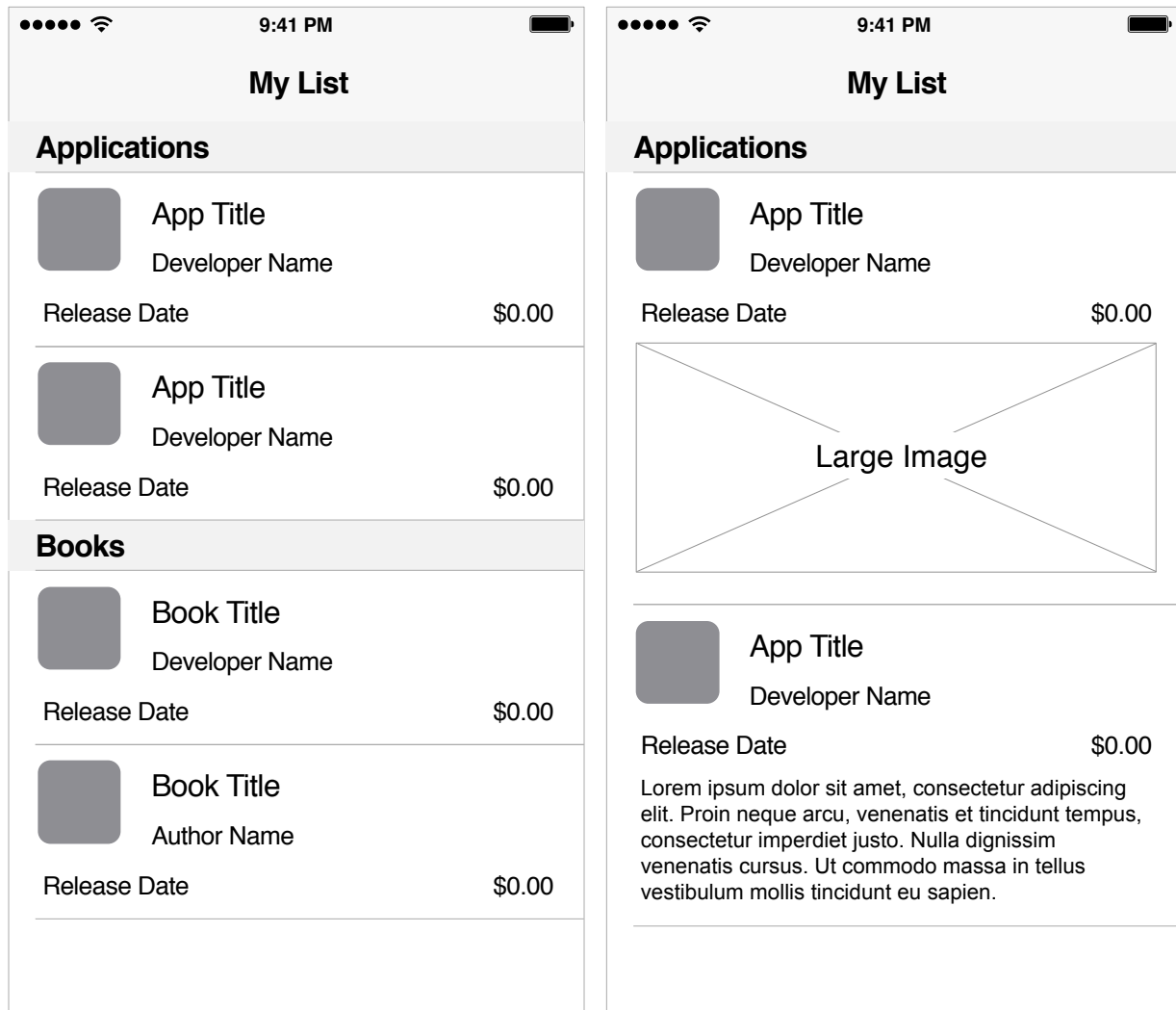
ITIS/ITCS 6010 – Advanced Topics for Mobile App Development
Homework 2

Basic Instructions:

1. In every file submitted you **MUST** place the following comments:
 - a. Assignment #.
 - b. File Name.
 - c. Student Full Name.
2. This is an individual assignment, each student is expected to work alone and submit their own work.
3. Your assignment will be graded for functional requirements and efficiency of your submitted solution. You will lose points if your code is not efficient, does unnecessary processing or blocks the UI thread.
4. Please download the support files provided with this assignment and use them when implementing your project.
5. Create a zip file which includes all the project folder, any required libraries, and your presentation material.
6. Submission details:
 - a. You should submit the assignment through canvas: Submit the zip file.
- 7. Failure to follow the above instructions will result in point deductions.**

Homework 2 (100 Points)

In this assignment you will get familiar with iOS Table Views and using CocoaPods to manage dependencies and use third party libraries.



(a) Sections and Simple Details

(b) Photo and Summary Cells

Figure 1, Application Wireframe

Part 1 : Apps View Controller

The interface should be created to match the UI presented in Figure 1(b). The requirements are as follows:

1. You should use connect to the provided api to retrieve the JSON information provided. The api url is http://dev.theappsdr.com/apis/summer_2016_ios/data.json
2. All communication with the API should be performed asynchronously and should use a child thread.
3. The list should display a section for each **category**, and under each category should display the items retrieved for this category. The title of each section should match

the title of the category.

4. There are three different cell types based on the following requirements:
 - a. If for an item the “otherImage” and “summary” are null then display the simple row shown in Figure 1(a).
 - b. If for an item the “otherImage” is not null and the “summary” is null then display the large image based row shown in Figure 1(b).
 - c. If for an item the “otherImage” is null and the “summary” is not null then display the summary based based row shown in Figure 1(b).
5. All image loading should be performed using the SDWebImage library.
6. All HTTP retrieval and parsing should use Alamofire library.
7. You could use CocoaPods to import these libraries or you can simply include the library manually.