



iOS Checkpoint Assessment 1

The following is an assessment giving you the opportunity to demonstrate your knowledge about the concepts that you have learned up until this point. The assignment will consist of five subparts and one completed project.

You will not be allowed to use any kind of resources beyond those available to you within Xcode(or your preferred IDE). This includes internet, previous projects that you have completed through MDB and/or other means.

Part 1: Setup. In this assessment you will be building an app that has a tableview, another view controller, and passing data between view controllers. With this information, create an appropriate Xcode project.

Part 2: Nice Tableview ya got there. In this part you'll be building a functioning TableView. Create a TableView that display's the following list of favorite destinations in the world to travel to:

- United States
- France
- Britain
- Spain
- China
- Brazil
- India
- Korea(north or south, you pick)
- Russia

Part 3: Woow, pretty images. Using the images that we have distributed to you, modify your ViewController(s) from Part 1 & 2 so that the appropriate image for each item in your Tableview is displayed. (**Hint: you maybe have to subclass a cell!**)

Part 4: OMG my app does something. Modify your project from Parts 1, 2, & 3 so that when the user clicks on a cell, the app displays a new view controller with

more information about the country. To get full credit on this part, **you must pass data between the view controller.** The information you display is up to you(if you don't have any ideas, you can just let the user see a bigger version of the image from Part 3), however it must be *clearly evident* that you know how to pass data between view controllers.

Part 5: Pop Quiz! Create a new file titled Answers.swift using your knowledge of Xcode. In this file, write the answers to the following two questions:

1. Which of the following paradigms do apps like Facebook, Twitter, and the App Store use?
 - A. Scroll character based Application
 - B. Tab Bar Application
 - C. Social powered Application
 - D. Internet Messaging based Application
2. I run the following code: ++myNumber. What happens?
 - A. The number will be incremented first and then returned, since the ++ is before the number and that is what matters
 - B. The number will be returned first and then incremented, since the variable name is after the ++ and that is what matters
 - C. They both do the same thing
 - D. Calling this code would crash the program

A sample Answers.swift has been provided below

```
//  
//  Answers.swift  
//  ComputerPartsDemo  
//  
//  Created by Virindh Borra on 3/1/16.  
//  Copyright © 2016 Virindh Borra. All rights reserved.  
//  
  
import Foundation  
  
func myAnswers()  
{  
    //Question 1: MY ANSWER HERE(hint: one of them is the right answer)  
    //Question 2: MY ANSWER HERE(hint: one of them is the right answer)  
}
```