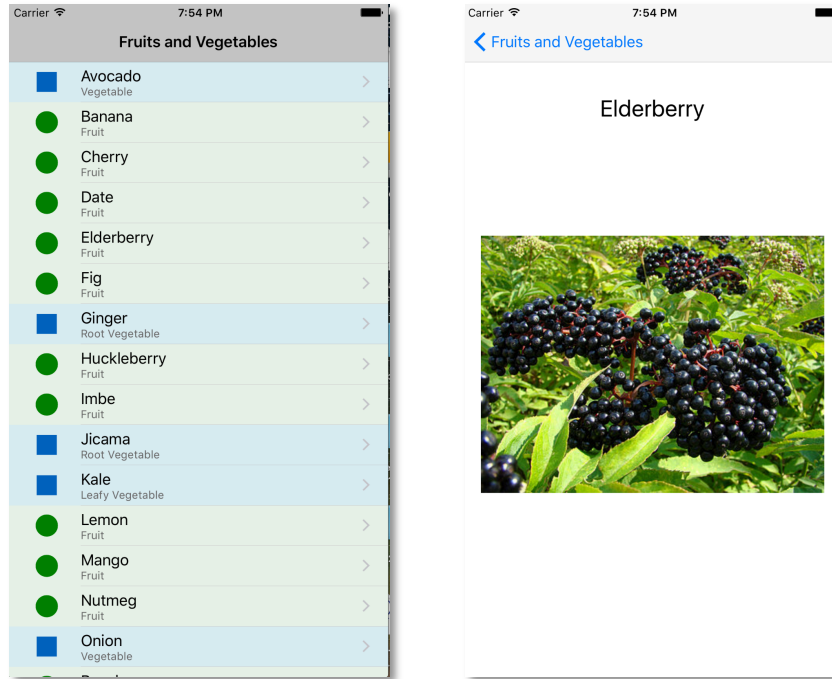


Fruits and Vegetables

An easy introduction to Table View and Navigation Controller

Part 2: Navigation Controller



Introduction

We might want to be able to tap on a table cell to view the details of the cell. We can embed the table view into a navigation controller to segue to another view without having to write a lot of code.

Note: this lesson is almost identical to Journal Lesson 7.

Materials

- You should finish Lesson 1 before you start this lesson.

Instructions

1. Run the app, tap on a table cell, and observe how the cell becomes highlighted but nothing happens.
 - a. We could add a new view controller to the project, establish a segue relationship to display Fruit details, and implement the code to move back and forth between the view controllers. But this may not be the easiest way.
 - b. We could embed a table view controller within a navigation controller that manages moving back and forth between table views and detail views.

2. Using Interface Builder, zoom out of the storyboard, and use the Object Library to drag a **Navigation Controller** into the storyboard.
 - a. Observe how Interface Builder includes a table view controller with the navigation controller by default.
3. Delete the default table view controller associated with the navigation controller.
 - a. Be sure to leave the navigation controller itself on the storyboard.
4. Drag the **arrow** associated with the **Fruit table view controller** to the navigation controller, establishing the navigation controller as the storyboard entry point.
5. Control-drag a connection from the Navigation Controller to the Fruit Table View Controller; then select the **root view controller** Relationship Segue.
 - a. Observe how Interface Builder adds a navigation bar to the top of the Fruit Table View Controller.
6. Change the title of the Fruit View Controller scene Navigation item to **Fruits and Vegetables**.
7. Run the app, and observe the navigation bar appear at the top of the table view.
8. We might want the app to display details about a fruit when a cell in the table view is tapped.
 - a. This would be similar to the Animals App we did previously.
9. Use the existing unused View Controller on the storyboard; place it to the right of the table view controller.
10. Use the Document Outline to rename the new View Controller to Fruit View Controller.
11. Control-drag a connection **from the prototype cell** in the FruitTable View Controller scene to the Fruit View Controller, and select the **show Selection** Segue.
12. Run the app, tap on a table cell, and observe the **Fruit view controller** scene appear. Tap the back button, and observe the table view reappear.