

Preview File Edit View Go Tools Window Help

coder-swag: Ready | Today at 4:00 PM

coder-swag > coder-swag > CategoriesVC.swift > CategoriesVC

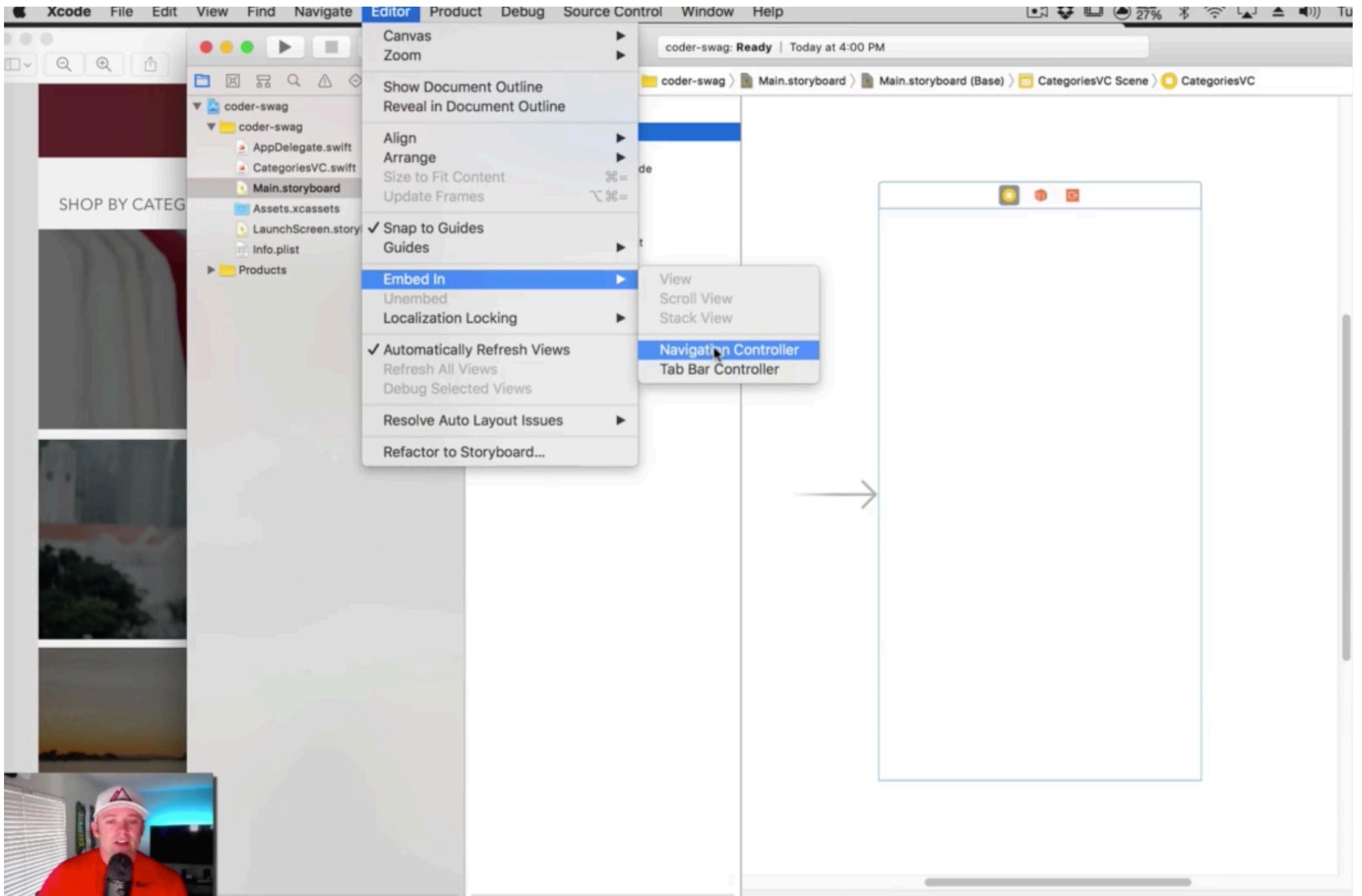
The image shows a Mac desktop with two windows open. On the left is a Finder window titled 'CoderSwag - Home.png' containing three categories: 'SHIRTS', 'HOODIES', and 'HATS'. On the right is a Xcode editor showing the 'CategoriesVC.swift' file. The code is as follows:

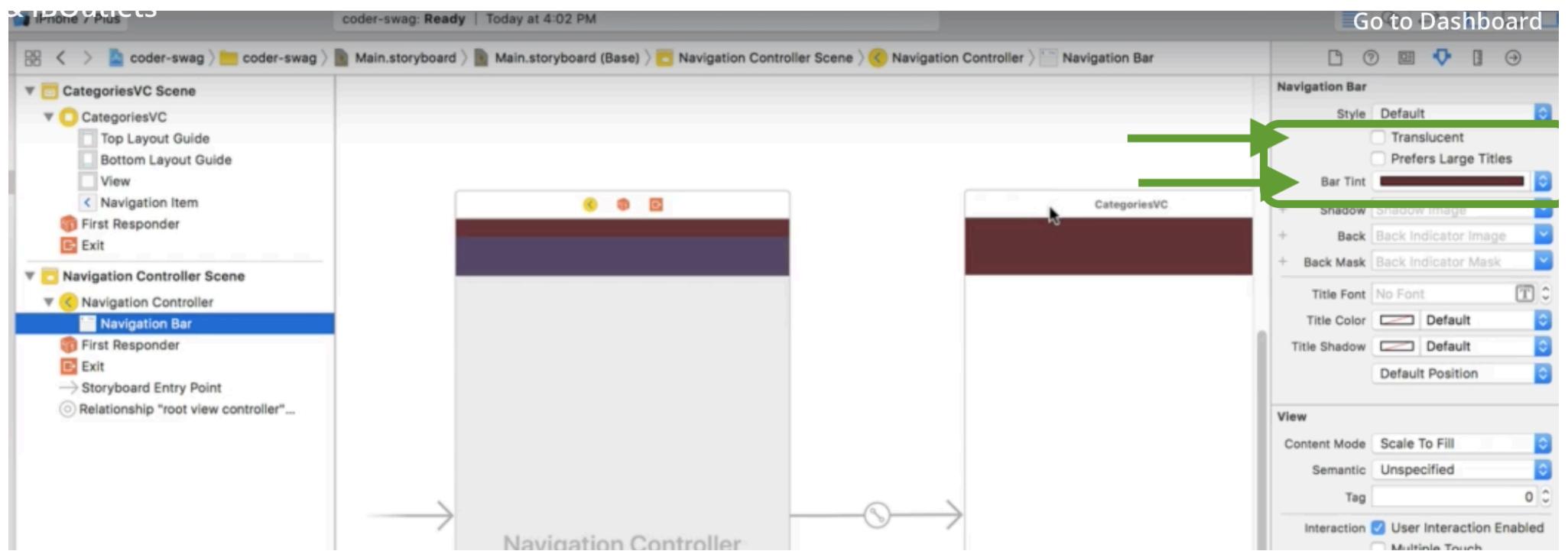
```
import UIKit

class CategoriesVC: UIViewController {

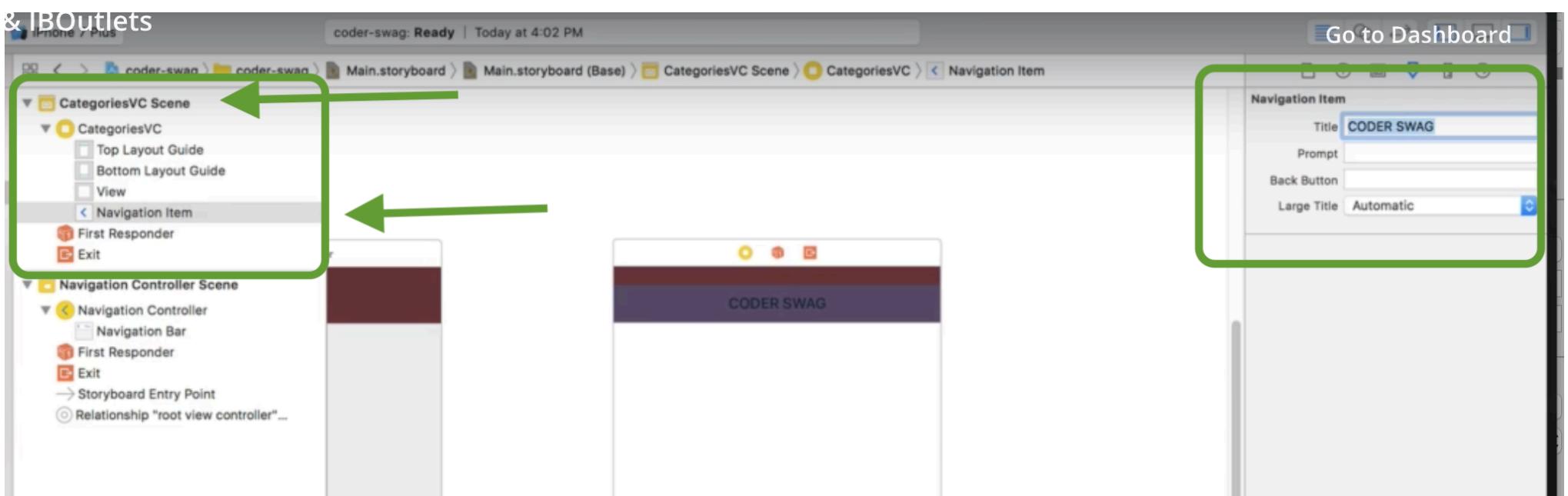
    override func viewDidLoad() {
        super.viewDidLoad()
        // Do any additional setup after loading the view,
        // typically from a nib.
    }

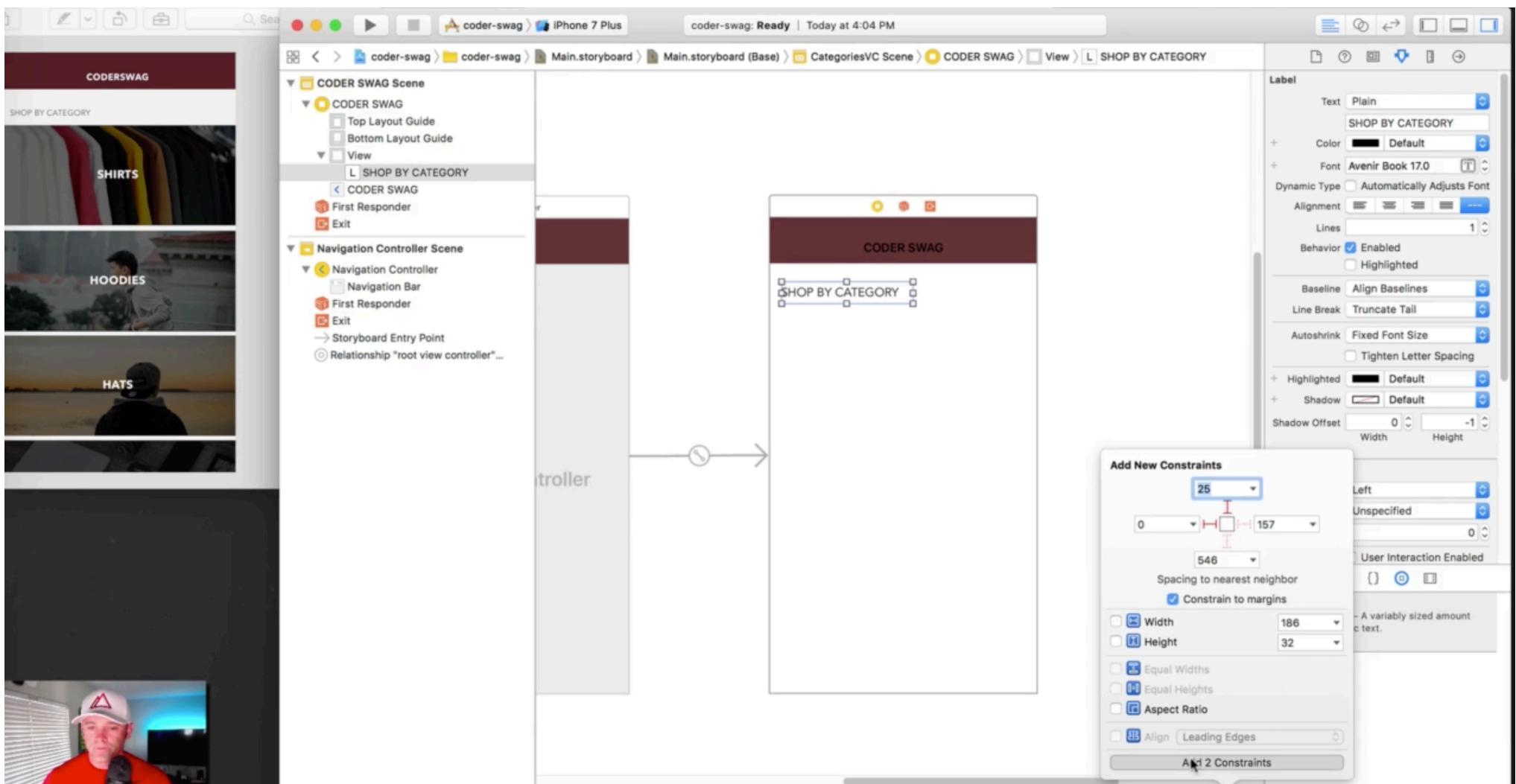
    override func didReceiveMemoryWarning() {
        super.didReceiveMemoryWarning()
        // Dispose of any resources that can be recreated.
    }
}
```

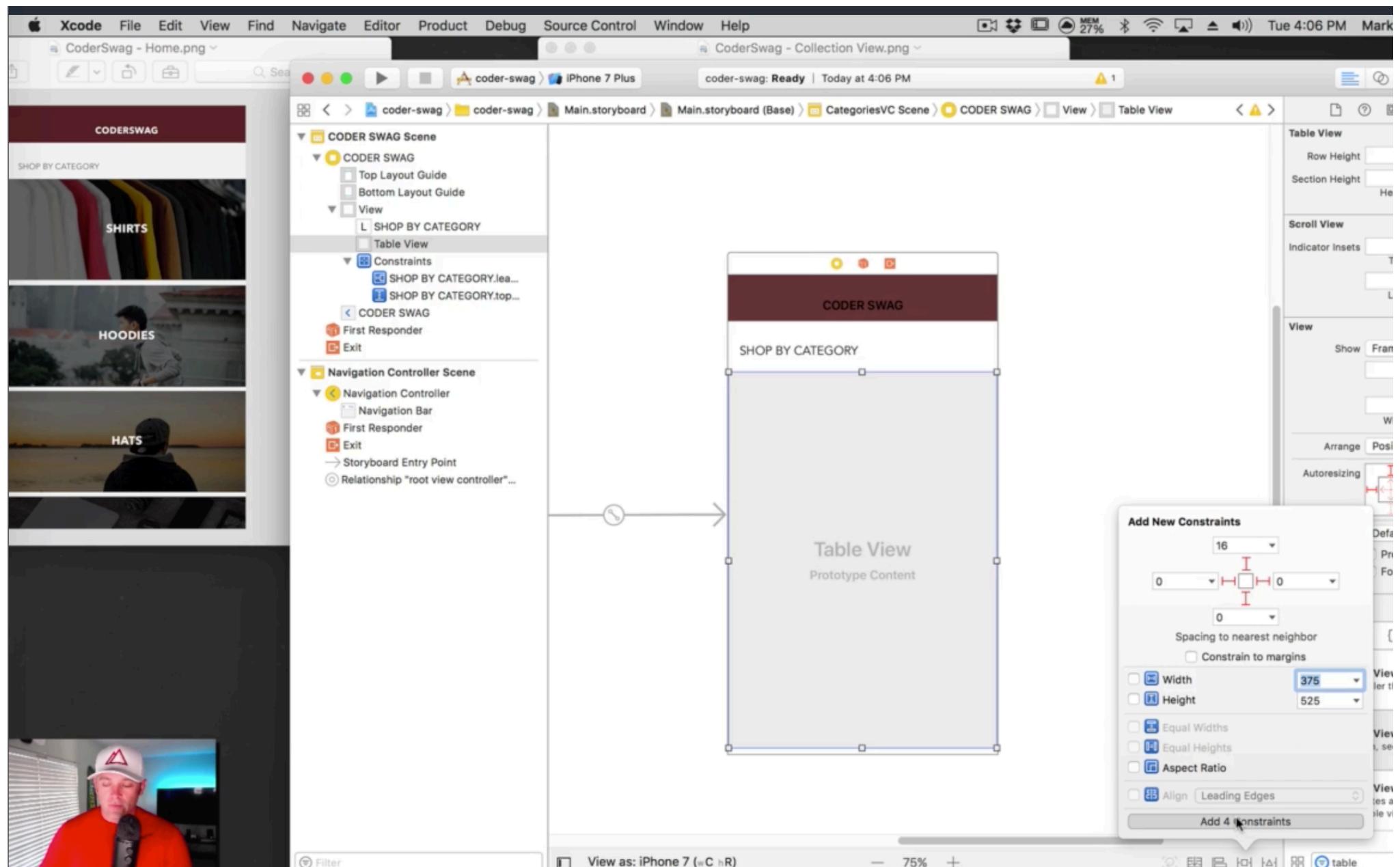




& IBOutlets







ionality may be limited.

Report a Bug +

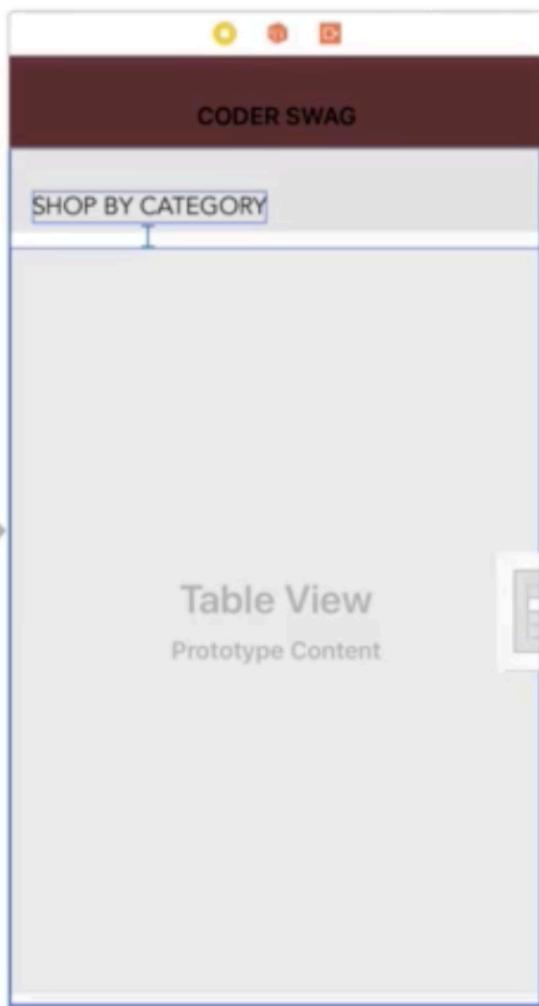


Table View Cell - Defines the attributes and behavior of cells (rows) in a table view.



No Selection



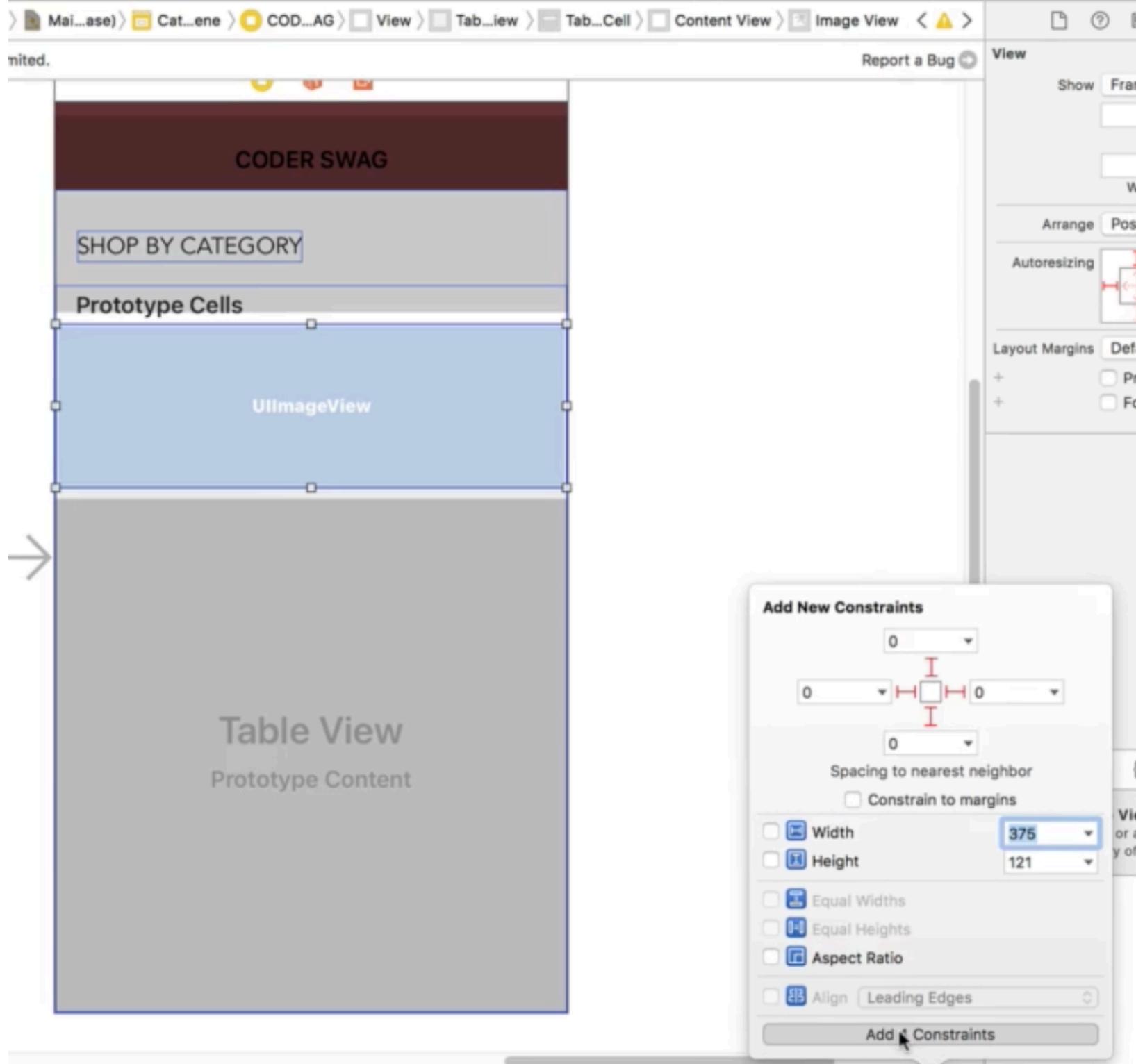
Table View Controller - A controller that manages a table view.

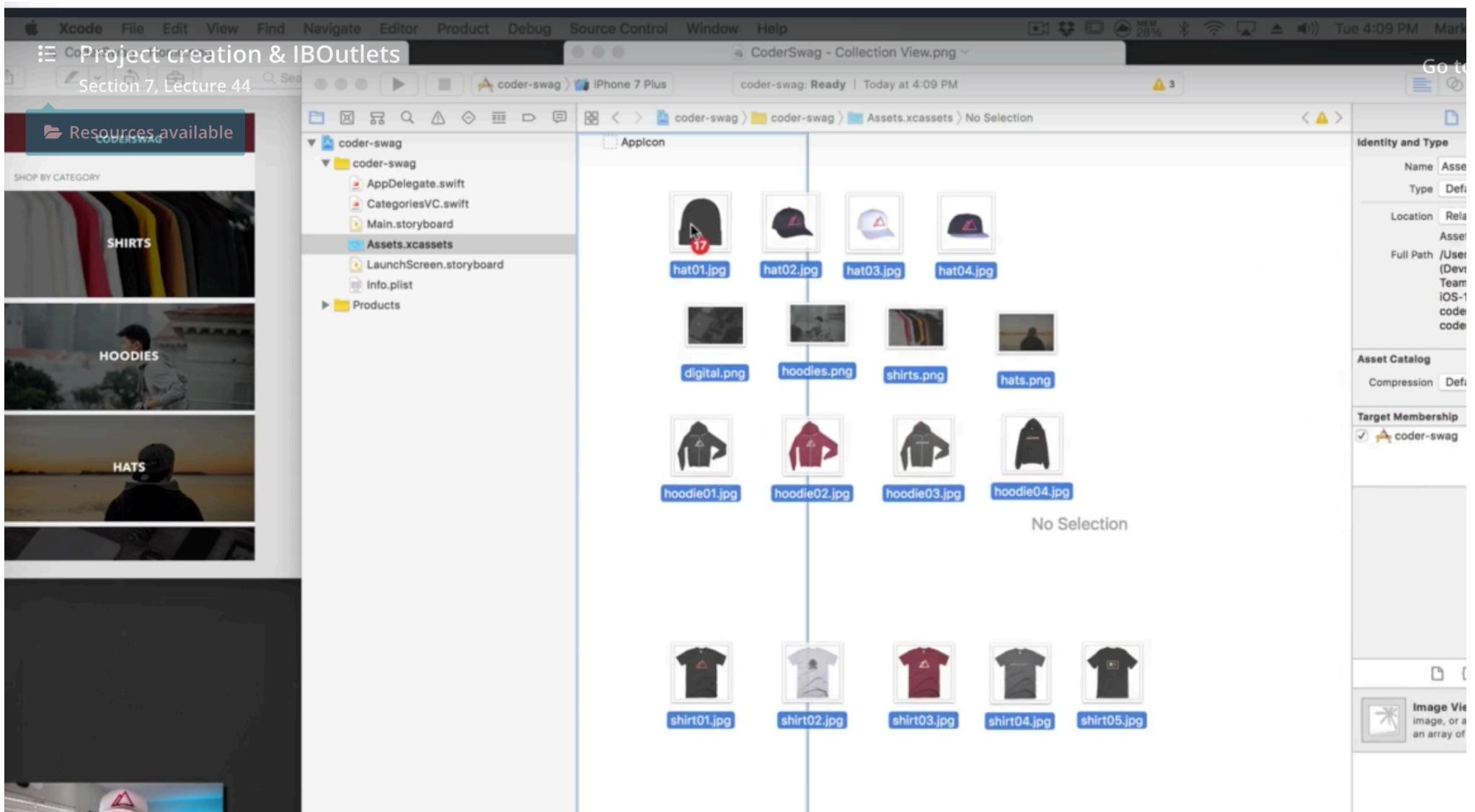


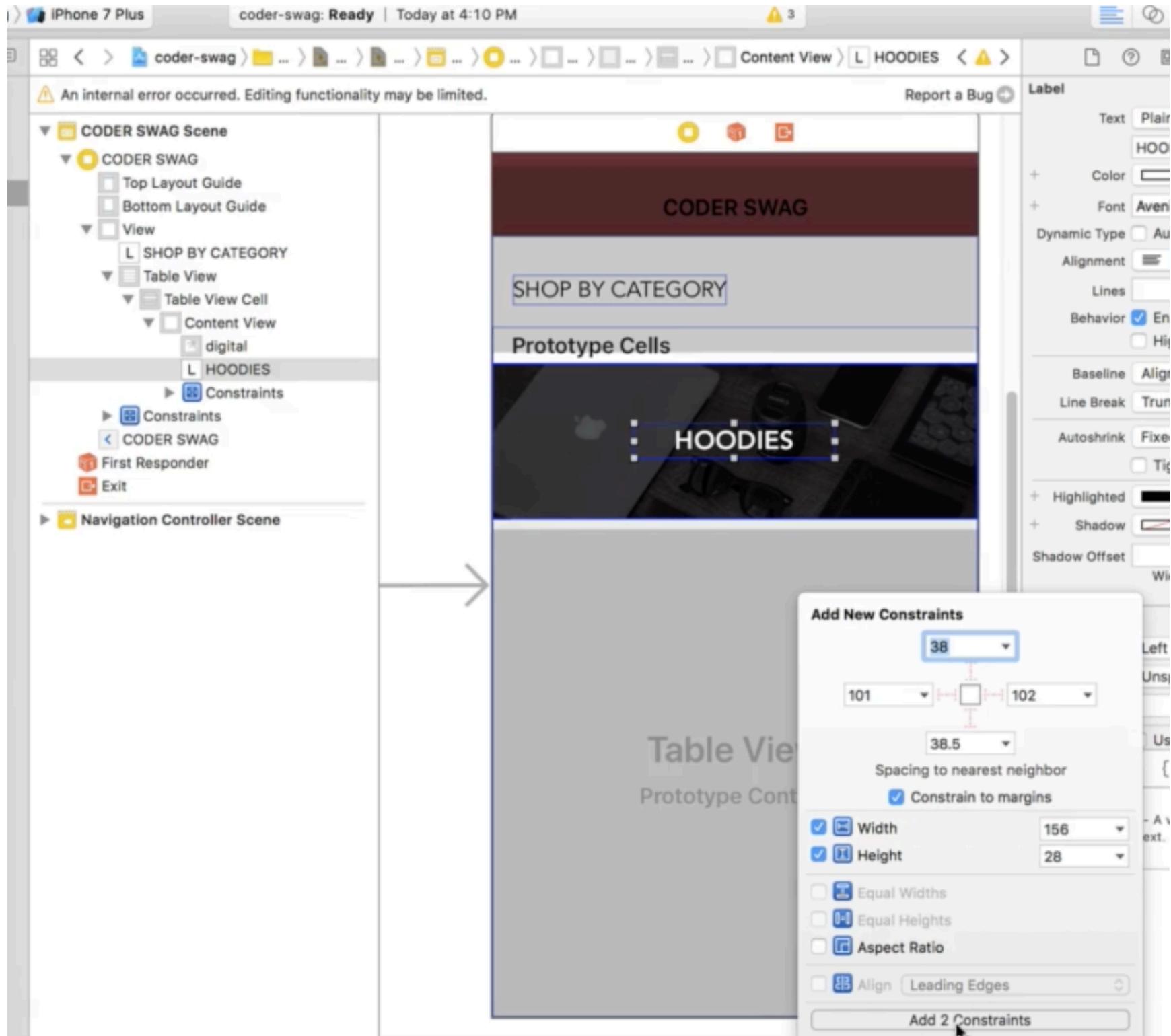
Table View - Displays data in a list of plain, sectioned, or grouped rows.

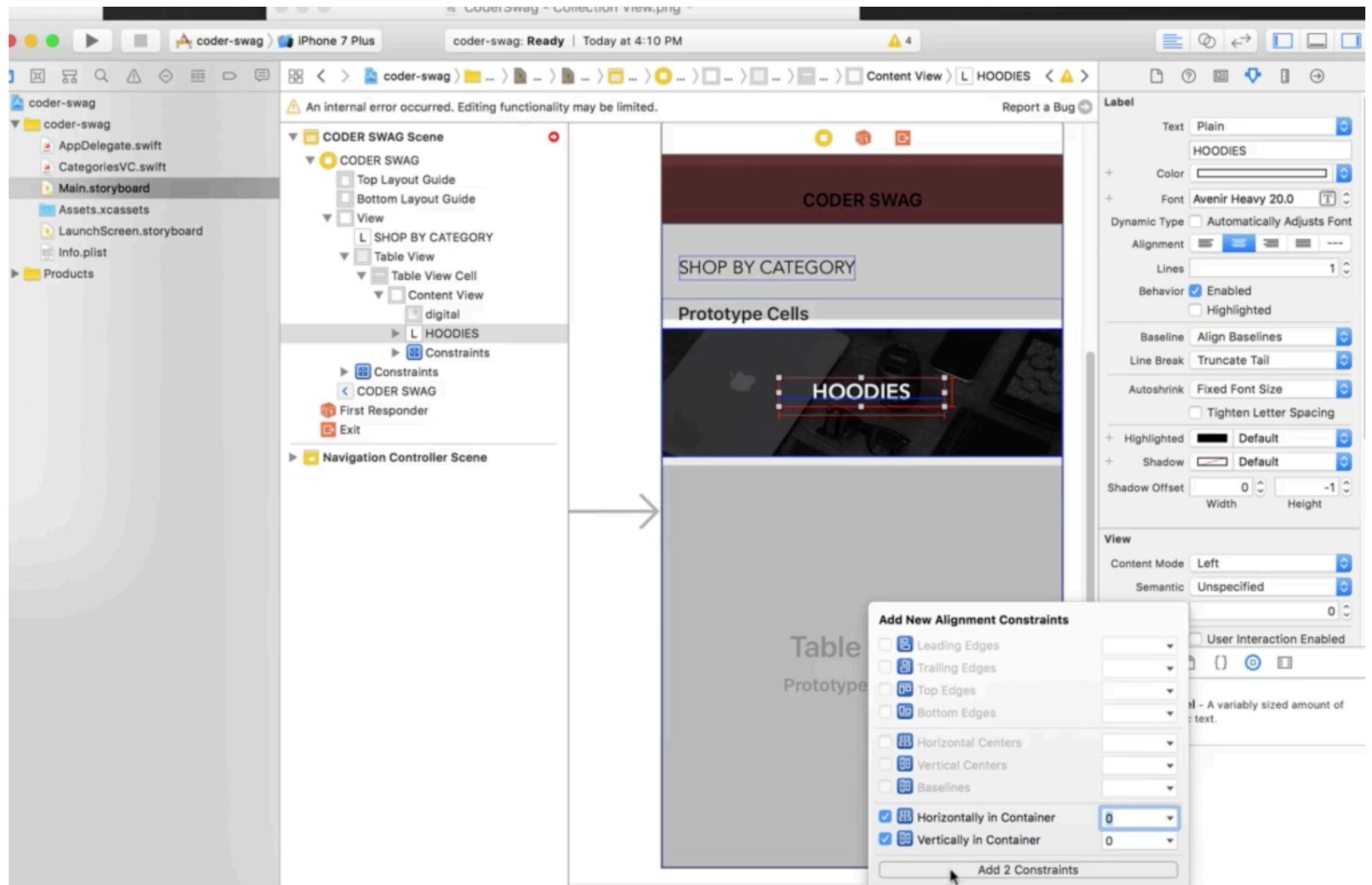


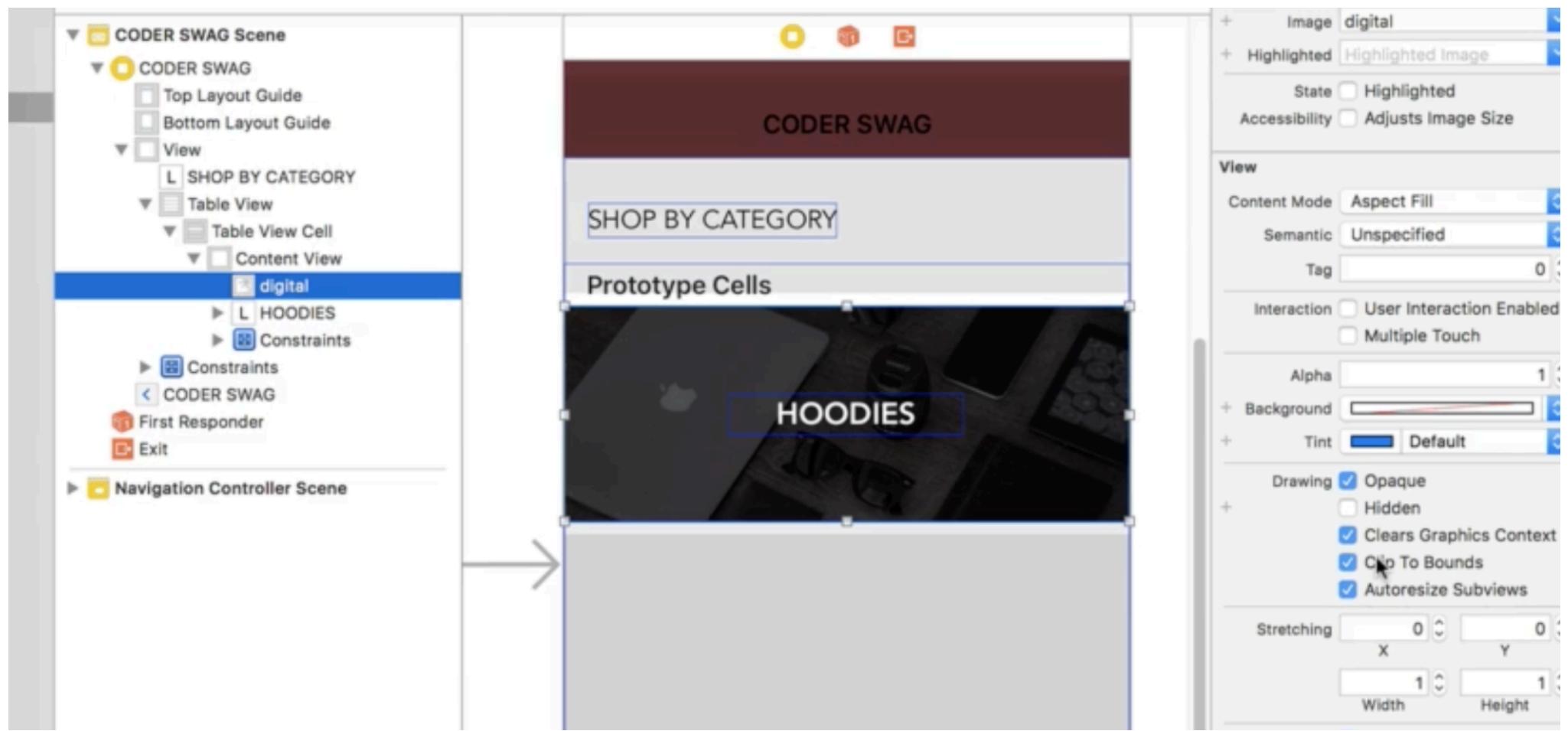
Table View Cell - Defines the attributes and behavior of cells (rows) in a table view.







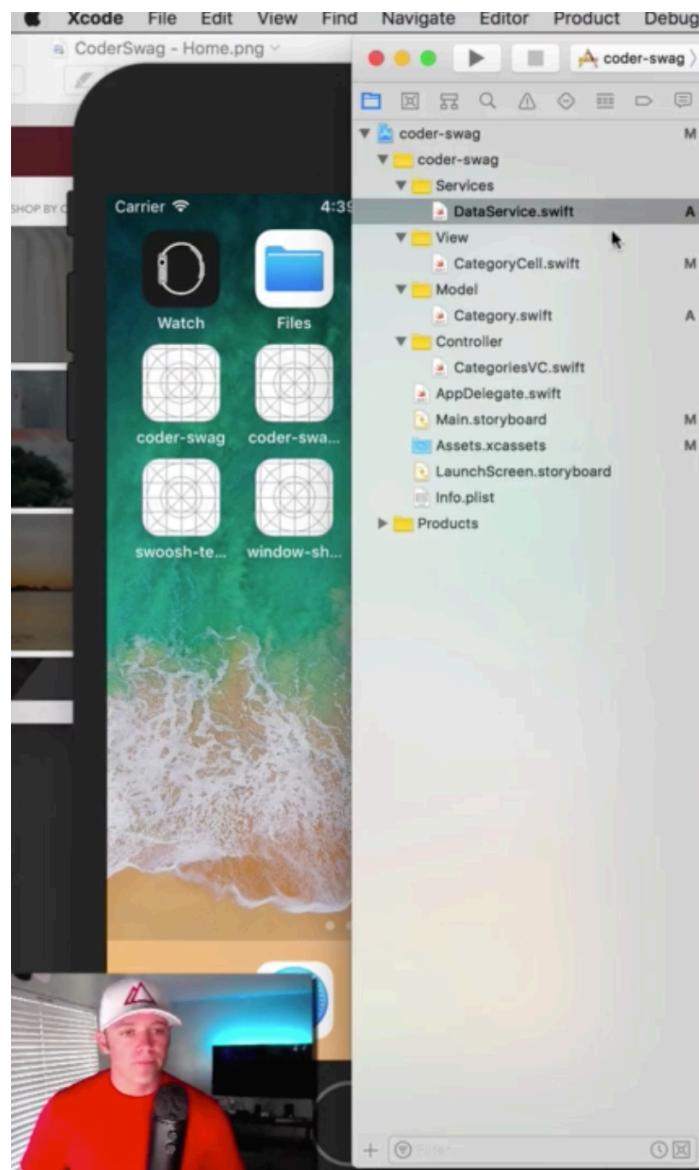




coder-swag > iPhone 7 Finished running coder-swag on iPhone 7 6

coder-swag > coder-swag > Model > Category.swift > Category

```
1 //  
2 //  Category.swift  
3 //  coder-swag  
4 //  
5 //  Created by Mark Price on 6/27/17.  
6 //  Copyright © 2017 Devslopes. All rights reserved.  
7 //  
8  
9 import Foundation  
10  
11 struct Category {  
12     private(set) public var title: String  
13     private(set) public var imageName: String  
14  
15     init(title: String, imageName: String) {  
16         self.title = title  
17         self.imageName = imageName  
18     }  
19 }  
20
```



Xcode File Edit View Find Navigate Editor Product Debug Source Control Window Help

CoderSwag - Home.png

coder-swag iPhone 7

Finished running coder-swag on iPhone 7

coder-swag Services DataService.swift getCategories()

```
// DataService.swift
// coder-swag
//
// Created by Mark Price on 6/27/17.
// Copyright © 2017 Devslopes. All rights reserved.

import Foundation
class DataService {
    static let instance = DataService()

    private let categories = [
        Category(title: "SHIRTS", imageName: "shirts.png"),
        Category(title: "HOODIES", imageName: "hoodies.png"),
        Category(title: "HATS", imageName: "hats.png"),
        Category(title: "DIGITAL", imageName: "digital.png")
    ]

    func getCategories() -> [Category] {
        return categories
    }
}
```

The screenshot shows the Xcode interface with the following details:

- File Navigator:** Shows the project structure for "coder-swag". The "CategoryCell.swift" file is selected.
- Editor:** Displays the code for "CategoryCell.swift".
- Build Bar:** Shows the build status: "coder-swag | Build coder-swag: Failed | Today at 4:41 PM".
- Top Bar:** Includes standard menu items like Edit, View, Find, Navigate, Editor, Product, Debug, Source Control, Window, Help, and system status like battery level (39%) and signal strength.

```
1 //  
2 // CategoryCell.swift  
3 // coder-swag  
4 //  
5 // Created by Mark Price on 6/27/17.  
6 // Copyright © 2017 Devslopes. All rights reserved.  
7 //  
8  
9 import UIKit  
10  
11 class CategoryCell: UITableViewCell {  
12  
13     @IBOutlet weak var categoryImage: UIImageView!  
14     @IBOutlet weak var categoryTitle: UILabel!  
15  
16     func updateViews(category: Category) {  
17         categoryImage.image = UIImage(named: category.imageName)  
18         categoryTitle.text = category.title  
19     }  
20  
21 }  
22
```

On Your Own

Figure out how to store the appropriate category in the category constant for the corresponding row in the table view.

(Grab the right category from the categories array)

The screenshot shows the Xcode IDE with the 'coder-swag' project open. The current file is 'CategoriesVC.swift'. The code implements a UITableViewController, UITableViewDataSource, and UITableViewDelegate. It defines outlets for the table view and sets up data source and delegate methods. The preview window on the left shows a mobile application interface with a dark header 'CODERSWAG', a sidebar with 'SHOP BY CATEGORY' and three categories ('SHIRTS', 'HOODIES', 'HATS'), and a main content area with a beach scene.

```
10
11 class CategoriesVC: UIViewController, UITableViewDataSource, UITableViewDelegate {
12
13     @IBOutlet weak var categoryTable: UITableView!
14
15     override func viewDidLoad() {
16         super.viewDidLoad()
17         categoryTable.dataSource = self
18         categoryTable.delegate = self
19     }
20
21
22     func tableView(_ tableView: UITableView, numberOfRowsInSection section: Int) -> Int {
23         return DataService.instance.getCategories().count
24     }
25
26     func tableView(_ tableView: UITableView, cellForRowAt indexPath: IndexPath) -> UITableViewCell {
27         if let cell = tableView.dequeueReusableCell(withIdentifier: "CategoryCell") as? CategoryCell {
28             let category = DataService.instance.getCategories()[indexPath.row]
29             cell.updateViews(category: category)
30             return cell
31         } else {
32             return CategoryCell()
33         }
34     }
35
36 }
```