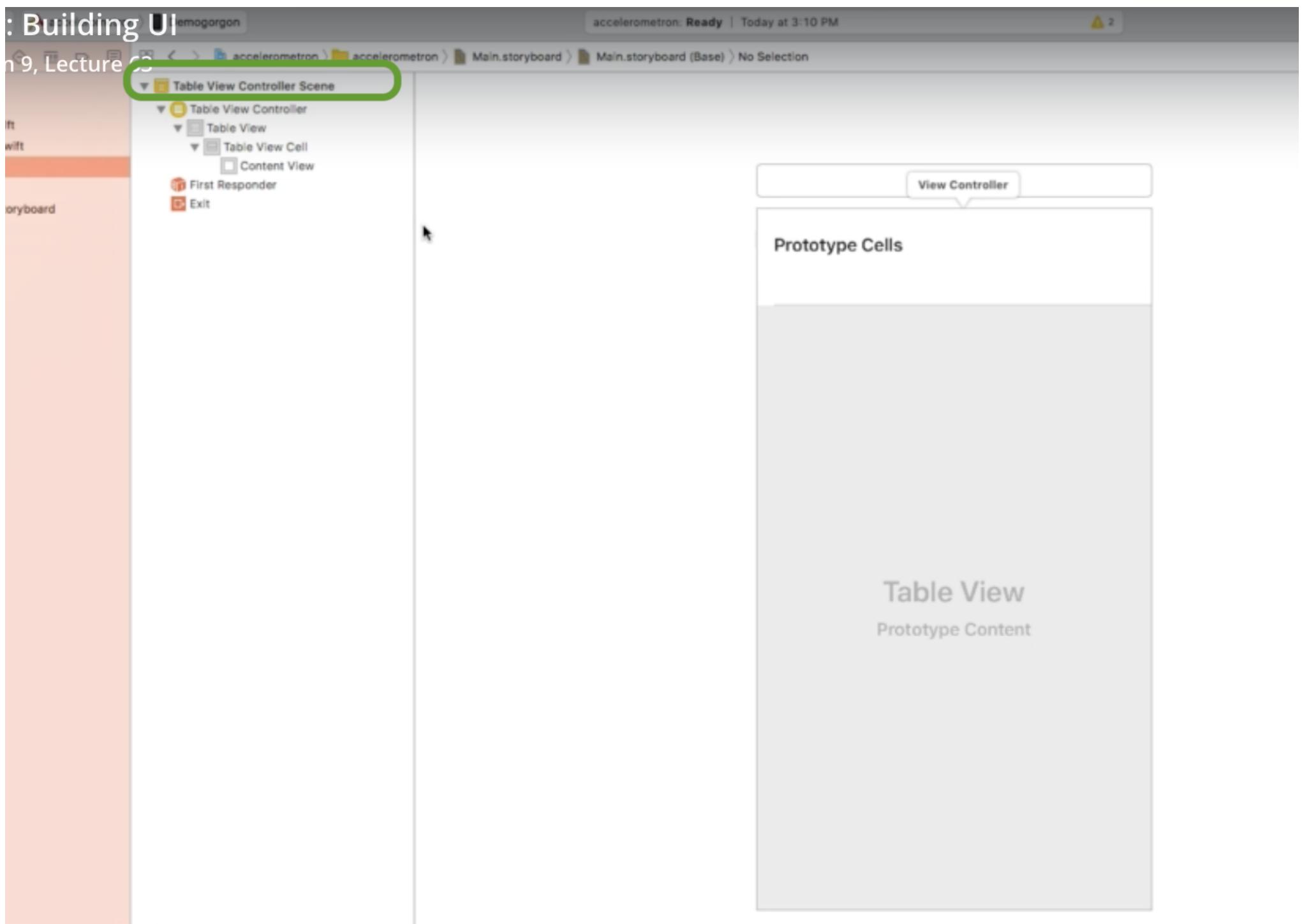
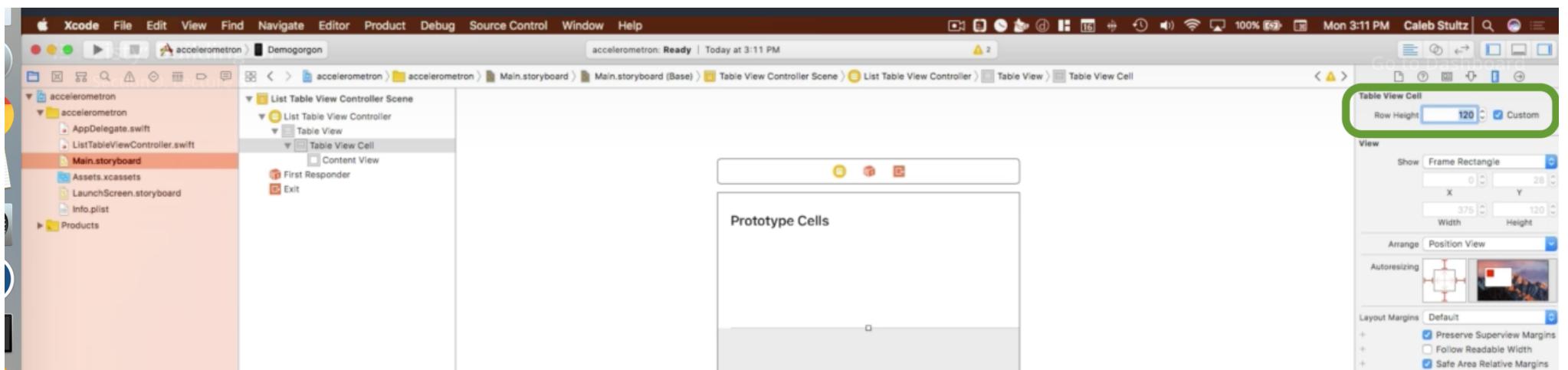
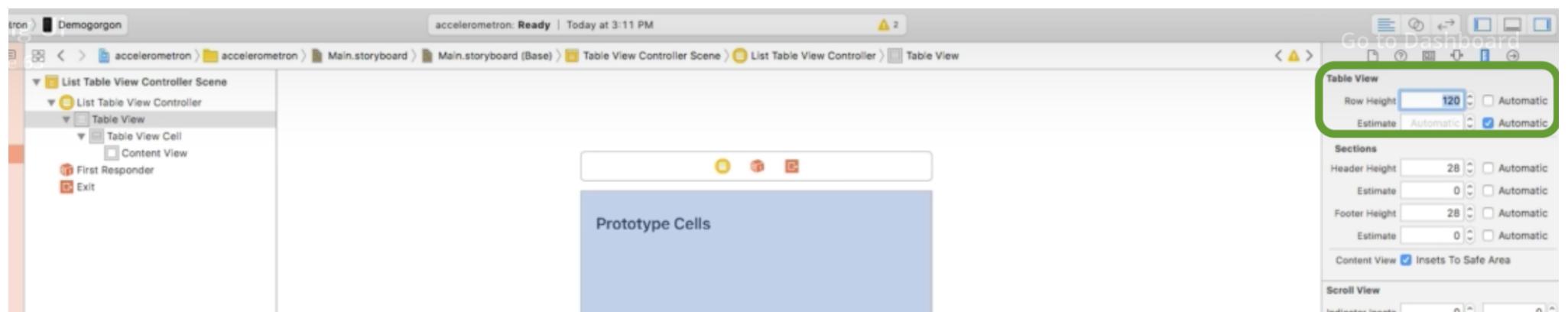


: Building UI

n 9, Lecture 63







ontroller Scene

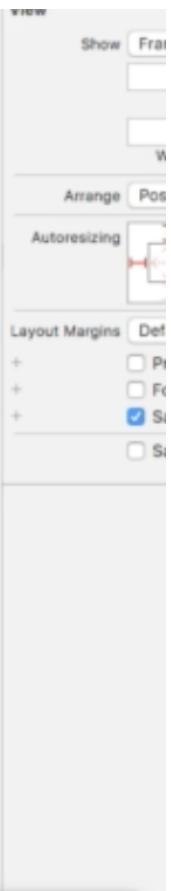
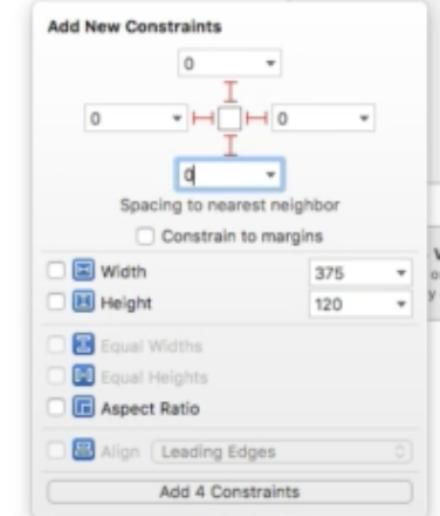
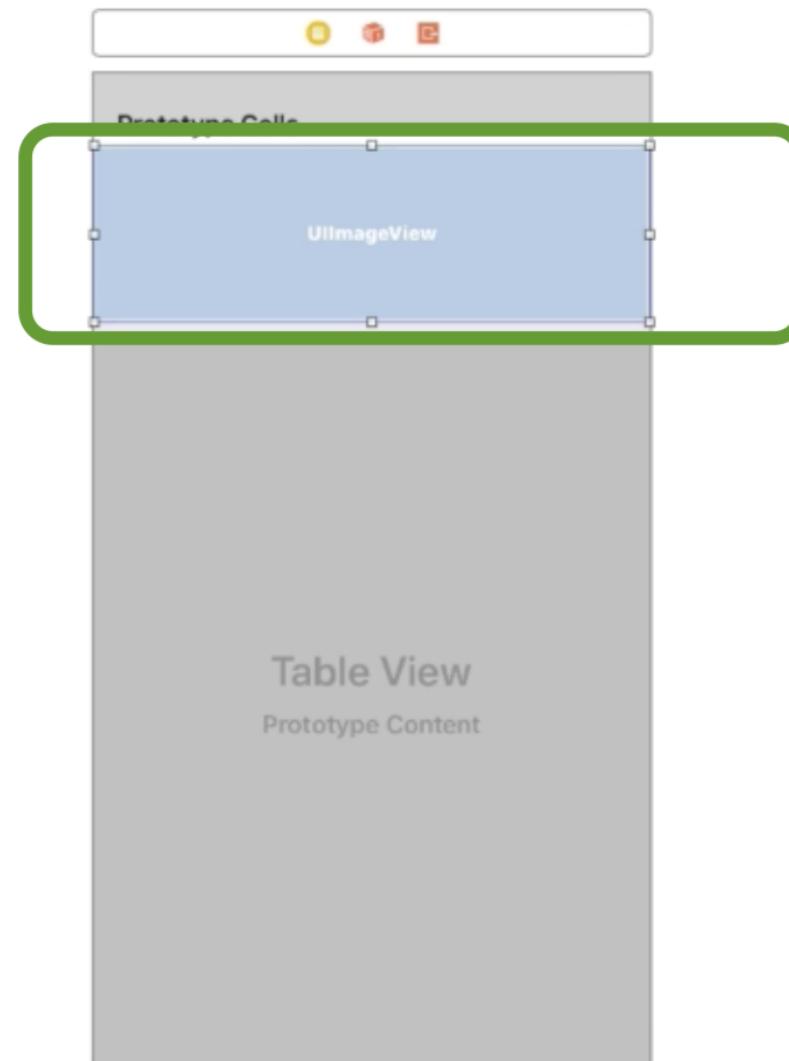
Controller

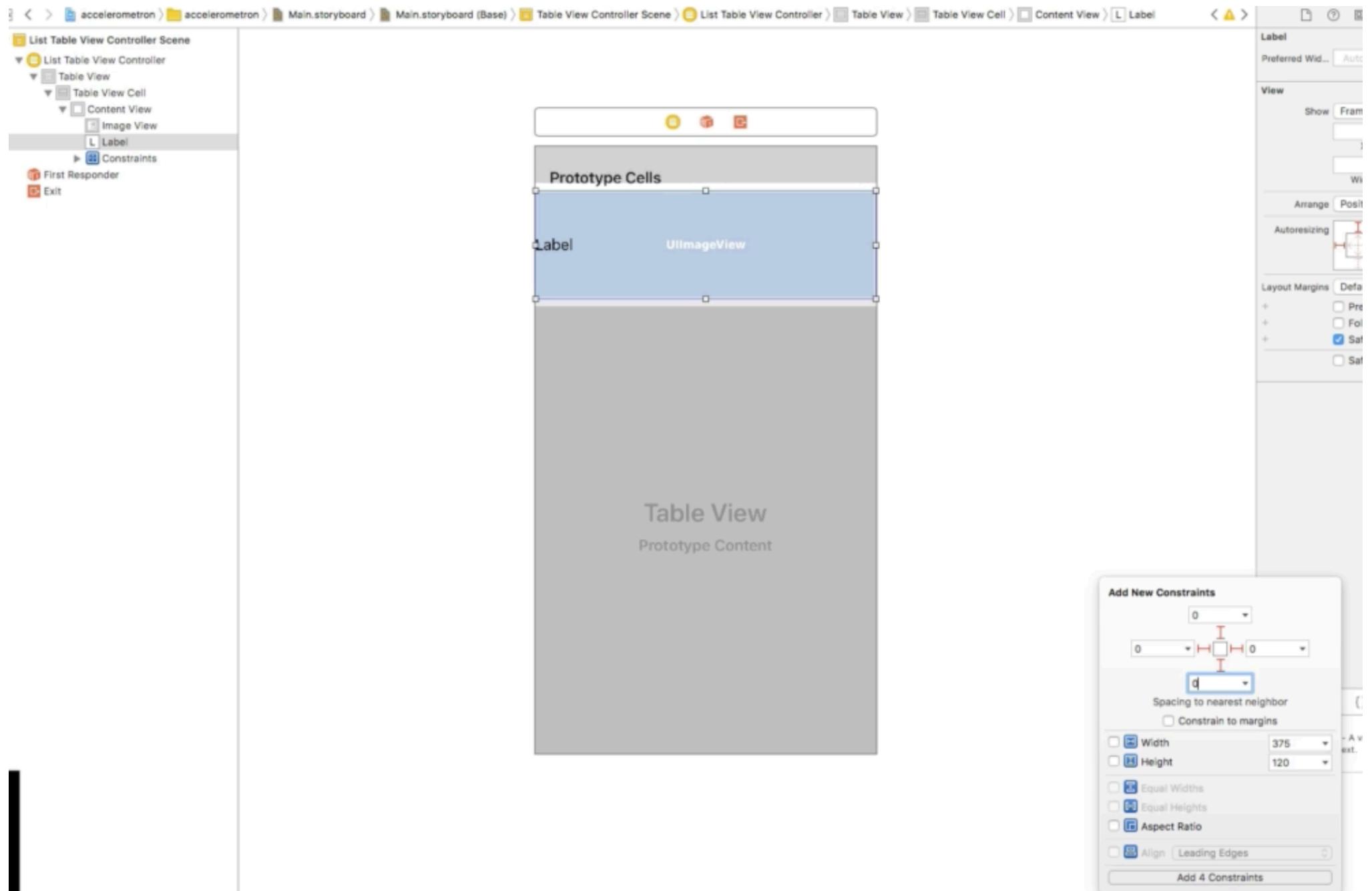
Cell

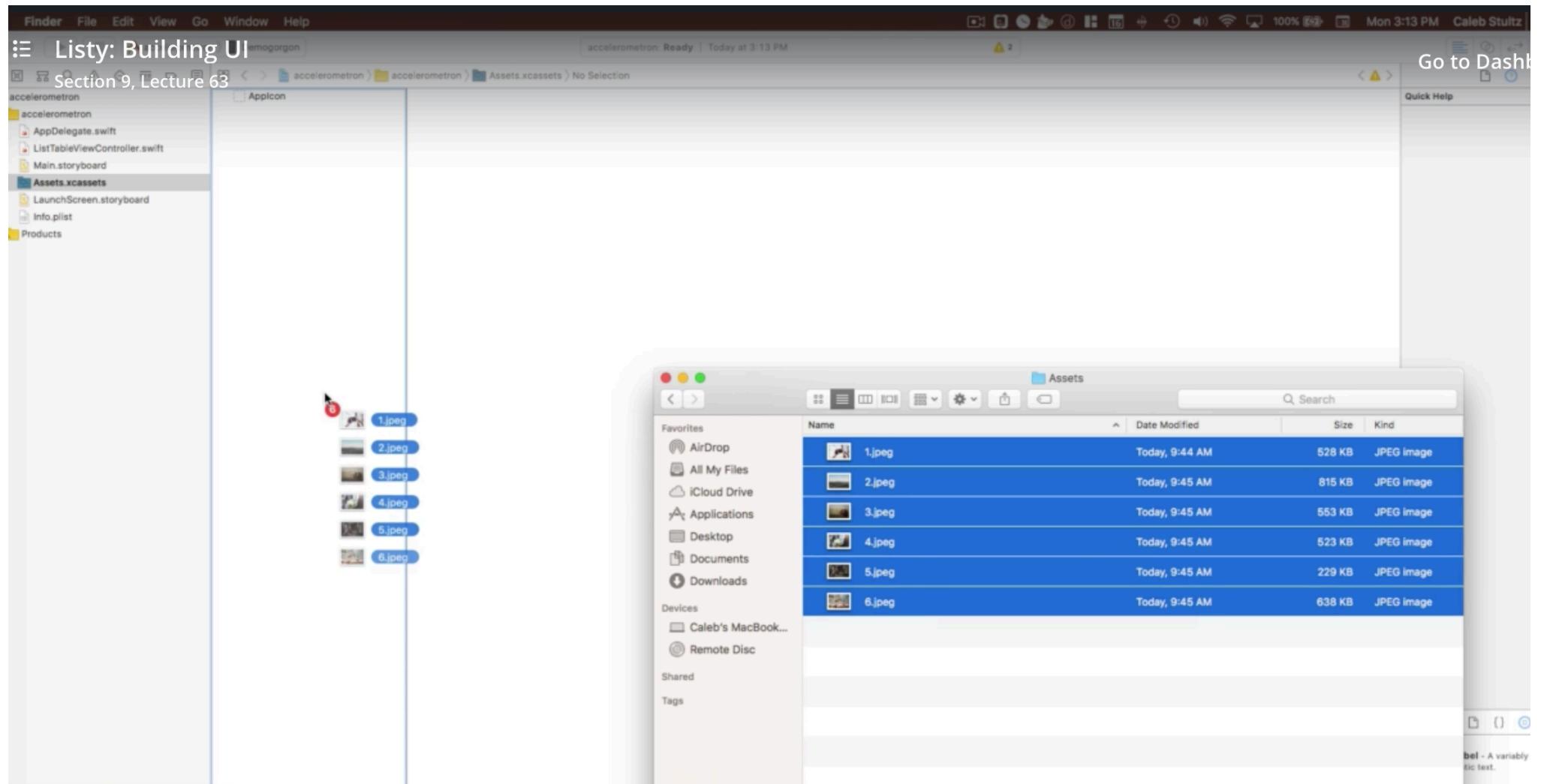
nt View

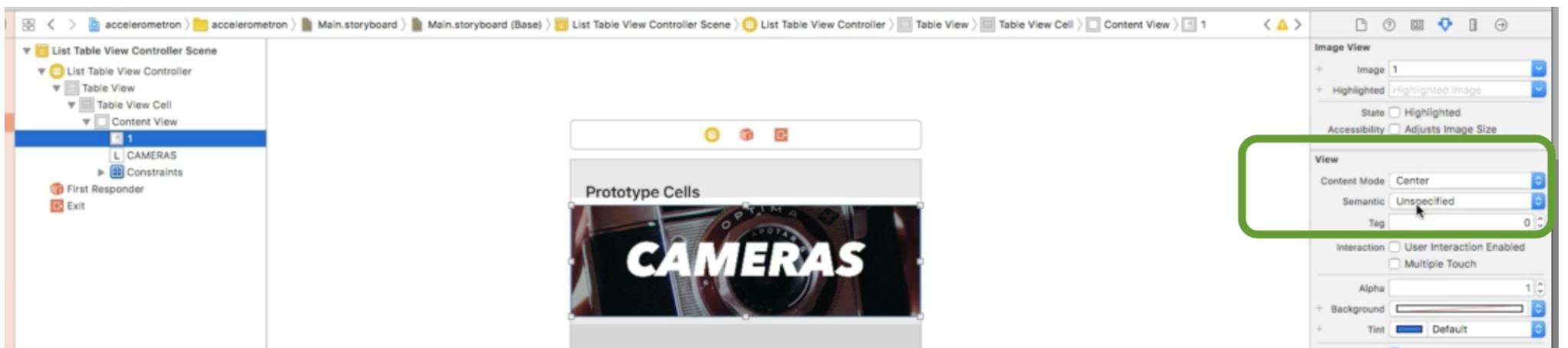
ge View

r









Listy: Creating ParallaxCell Subclass

accelerometron | Build accelerometron: Success

Section 9, Lecture 64

accelerometron
 accelerometron
 View
 ParallaxCell.swift
 Controller
 ListTableViewCellController.swift
 AppDelegate.swift
 Main.storyboard
 Assets.xcassets
 LaunchScreen.storyboard
 Info.plist
Products

```
1 //  
2 //  ParallaxCell.swift  
3 //  accelerometron  
4 //  
5 //  Created by Caleb Stultz on 10/16/17.  
6 //  Copyright © 2017 Caleb Stultz. All rights reserved.  
7 //  
8  
9 import UIKit  
10  
11 class ParallaxCell: UITableViewCell {  
12  
13     @IBOutlet weak var itemImageView: UIImageView!  
14     @IBOutlet weak var descriptionLabel: UILabel!  
15  
16     override func awakeFromNib() {  
17         super.awakeFromNib()  
18         // set up our parallax code later  
19     }  
20  
21     func configureCell(withImage image: UIImage,  
22                         andDescription desc: String) {  
23         itemImageView.image = image  
24         descriptionLabel.text = desc  
25     }  
26     func setupParallax() {  
27  
28     }  
29 }  
30 }
```

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

Accelerometron: Succeeded | Today at 3:15 PM

Listy: Configuring ImageArray & Populating UITableView

Section 9, Lecture 65

```
accelerometron
├── accelerometron
│   ├── View
│   │   └── ParallaxCell.swift
│   └── Controller
│       ├── ListTableViewController.swift
│       ├── AppDelegate.swift
│       └── Main.storyboard
└── Assets.xcassets
└── LaunchScreen.storyboard
└── Info.plist
```

Images+Names.swift

```
// Images+Names.swift
// accelerometron
//
// Created by Caleb Stultz on 10/16/17.
// Copyright © 2017 Caleb Stultz. All rights reserved.

import UIKit

var camera = UIImage(named: "1")!
var city = UIImage(named: "2")!
var animals = UIImage(named: "3")!
var flowers = UIImage(named: "4")!
var stand = UIImage(named: "5")!
var urban = UIImage(named: "6")!

var imageArray = [camera, city, animals, flowers, stand, urban]
var nameArray = ["CAMERAS", "CITY", "ANIMALS", "FLOWERS", "STANDS", "URBAN"]
```

```
1 //  
2 //  ListTableViewController.swift  
3 //  accelerometron  
4 //  
5 //  Created by Caleb Stultz on 10/16/17.  
6 //  Copyright © 2017 Caleb Stultz. All rights reserved.  
7 //  
8  
9 import UIKit  
10  
11 class ListTableViewController: UITableViewController {  
12  
13     override func viewDidLoad() {  
14         super.viewDidLoad()  
15         tableView.delegate = self  
16         tableView.dataSource = self  
17     }  
18  
19     override func numberOfSections(in tableView: UITableView) -> Int {  
20         return 1  
21     }  
22  
23     override func tableView(_ tableView: UITableView, numberOfRowsInSection section: Int) -> Int {  
24         return imageArray.count  
25     }  
26  
27     override func tableView(_ tableView: UITableView, cellForRowAt indexPath: IndexPath) -> UITableViewCell {  
28         guard let cell = tableView.dequeueReusableCell(withIdentifier: "parallaxCell", for: indexPath) as? ParallaxCell  
             else { return UITableViewCell() }  
29         cell.configureCell(withImage: imageArray[indexPath.row], andDescription: nameArray[indexPath.row])  
30         return cell  
31     }  
32  
33 }  
34 }
```



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

accelerometron > Demogorgon

accelerometron | Build accelerometron: Succeeded | Today at 3:43 PM

```
1 //  
2  
3 import UIKit  
4  
5 class ParallaxCell: UITableViewCell {  
6  
7     @IBOutlet weak var itemImageView: UIImageView!  
8     @IBOutlet weak var descriptionLabel: UILabel!  
9  
10    override func awakeFromNib() {  
11        super.awakeFromNib()  
12        setupParallax()  
13    }  
14  
15    func configureCell(withImage image: UIImage, andDescription desc: String) {  
16        itemImageView.image = image  
17        descriptionLabel.text = desc  
18    }  
19  
20    func setupParallax() {  
21        let min = CGFloat(-30)  
22        let max = CGFloat(30)  
23  
24        let xMotion = UIInterpolatingMotionEffect(keyPath: "layer.transform.translation.x",  
25                                                     type: .tiltAlongHorizontalAxis)  
26        xMotion.minimumRelativeValue = min  
27        xMotion.maximumRelativeValue = max  
28  
29        let yMotion = UIInterpolatingMotionEffect(keyPath: "layer.transform.translation.y",  
30                                                     type: .tiltAlongVerticalAxis)  
31        yMotion.minimumRelativeValue = min  
32        yMotion.maximumRelativeValue = max  
33  
34        let motionEffectGroup = UIMotionEffectGroup()  
35        motionEffectGroup.motionEffects = [xMotion, yMotion]  
36  
37        itemImageView.addMotionEffect(motionEffectGroup)  
38    }  
39}
```