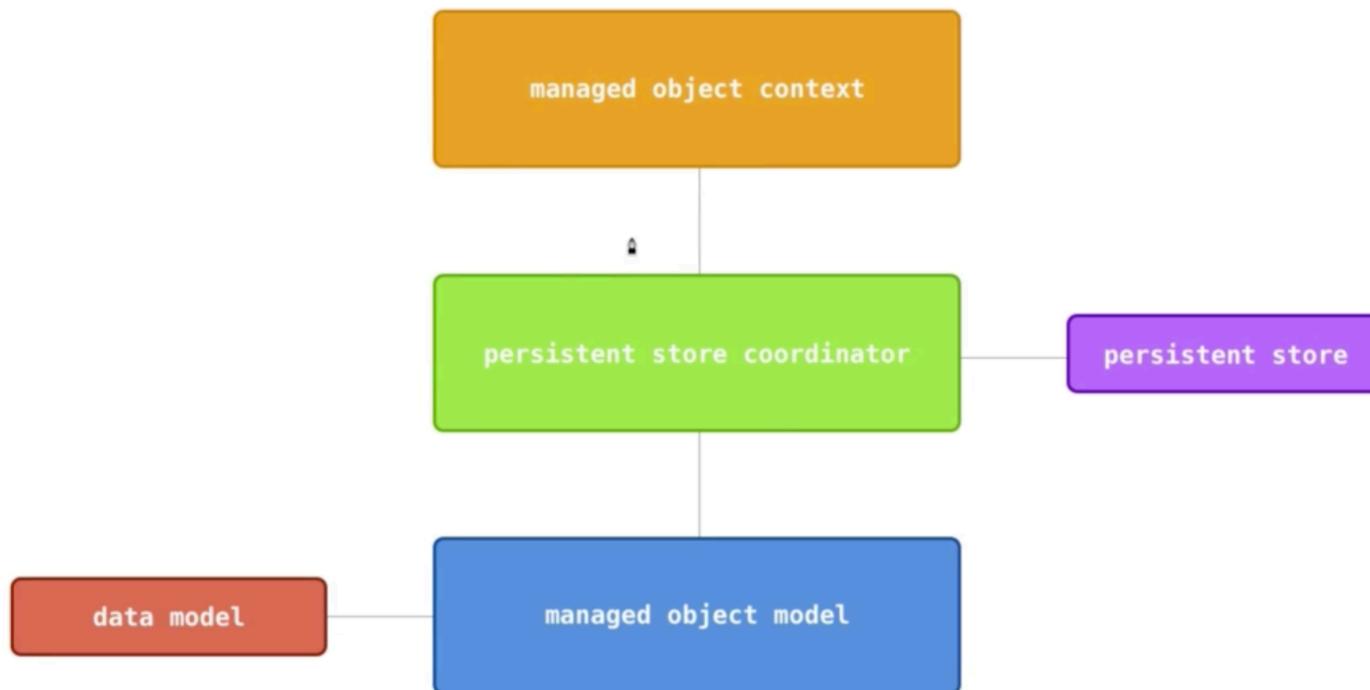


Core Data Stack



127. Creating goal core data entity & attributes

The screenshot shows the Xcode interface with the project 'goalpost-app' open. The 'Goal' entity is selected in the 'Entities' list. The 'Attributes' section displays four attributes: 'goalProgress' (Integer 32), 'goalCompletionValue' (Integer 32), 'goalDescription' (String), and 'goalType' (String). The 'Relationships' and 'Fetched Properties' sections are currently empty. The right-hand panel provides detailed configuration for the 'goalProgress' attribute, including its type as Integer 32, validation settings (No Value, Minimum, Maximum), and options like 'Use Scalar Type'. It also includes sections for 'User Info', 'Deprecated', 'Spotlight', 'Advanced', and 'Versioning'. A preview window in the bottom-left corner shows a video of a person speaking.

goalpost-app

goalpost-app

Extensions

Enums

View

GoalCell.swift

Controller

GoalsVC.swift

AppDelegate.swift

Main.storyboard

Assets.xcassets

LaunchScreen.storyboard

Info.plist

goalpost_app.xcdatamodeld

Products

goalpost-app

goal

Attributes

goalProgress Integer 32

goalCompletionValue Integer 32

goalDescription String

goalType String

Relationships

Fetched Properties

Label Label - A variably sized amount of static text.

goalProgress

Transient

Optional

Integer 32

No Value

Minimum

No Value

Maximum

0

Default

Use Scalar Type

Index in Spotlight

Preserve After Deletion

Store in External Record File

Key Value

Hash Modifier Version Hash Modifier

Renaming ID Renaming Identifier

Outline Style Add Entity

5:17 / 8:08

1.5x

CC

Settings

UILab

127. Creating goal core data entity & attributes



After creating an entity we can use it as a class and create objects.

```
1 //  
2 //  GoalsVC.swift  
3 //  goalpost-app  
4 //  
5 //  Created by Caleb Stultz on 7/31/17.  
6 //  Copyright © 2017 Caleb Stultz. All rights reserved.  
7 //  
8  
9 import UIKit  
10 import CoreData  
11  
12 class GoalsVC: UIViewController {  
13  
14     @IBOutlet weak var tableView: UITableView!  
15  
16     override func viewDidLoad() {  
17         super.viewDidLoad()  
18         let goal = Goal() | A Initialization of immutable value 'goal' was never used; consider replacing with assignment to '_' or removing...  
19         goal.goalCompletionValue = Int32(exactly: 12.0)  
20     }  
21  
22     @IBAction func addGoalBtnWasPressed(_ sender: Any) {  
23         print("button was pressed")  
24     }  
25  
26 }  
27  
28
```

identity and Type

Name: GoalsVC.swift
Type: Default - Swift Source
Location: Relative to Group
Full Path: /Users/calebstultz/Documents/Devs/ios/Courses/iOS 11/Core Data/App/goalpost-dev/goalpost-app/goalpost-app/Controller/GoalsVC.swift

On Demand Resource Tags

Only resources are taggable

Target Membership

goalpost-app

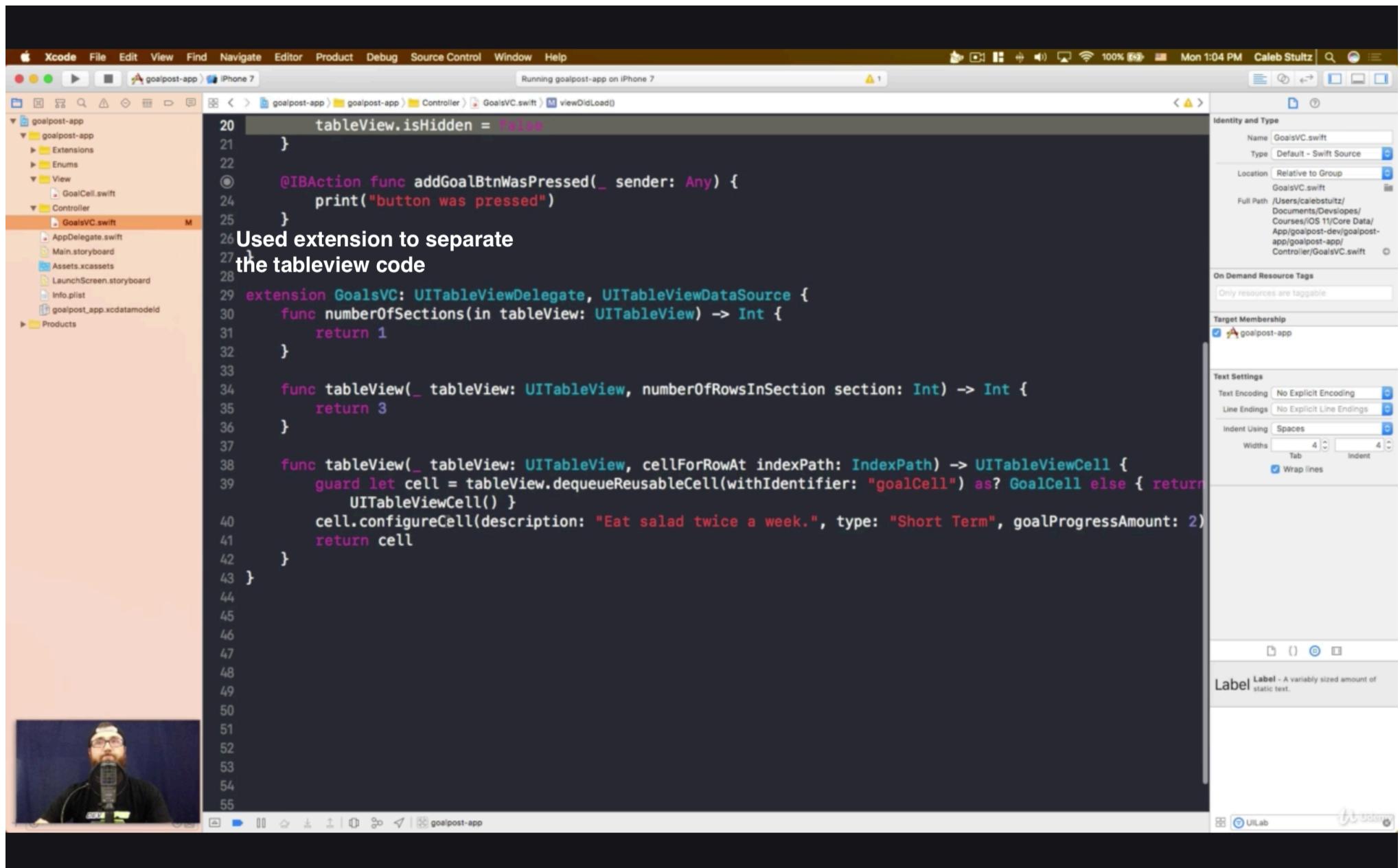
Text Settings

Text Encoding: No Explicit Encoding
Line Endings: No Explicit Line Endings
Indent Using: Spaces
Widths: Tab
Wrap lines

Label Label - A variably sized amount of static text.

UILab

1.5x 6:47 / 8:08



Simulator File Edit Hardware Debug Window Help

Running goalpost-app on iPhone 7

goalpost-app

goalpost-app

Extensions

Enums

View

GoalCell.swift

Controller

GoalsVC.swift

AppDelegate.swift

Main.storyboard

Assets.xcassets

LaunchScreen.storyboard

Info.plist

goalpost_app.xcdatamodeld

Products

```
9 import UIKit
10 import CoreData
11
12 class GoalsVC: UIViewController {
13
14     @IBOutlet weak var tableView: UITableView!
15
16     override func viewDidLoad() {
17         super.viewDidLoad()
18         tableView.delegate = self
19         tableView.dataSource = self
20         tableView.isHidden = false
21     }
22
23     @IBAction func addGoalBtnWasPressed(_ sender: Any) {
24         print("button was pressed")
25     }
26
27 }
28
29 extension GoalsVC: UITableViewDelegate {
30     func numberOfSections(in tableView: UITableView) -> Int {
31         return 1
32     }
33
34     func tableView(_ tableView: UITableView, numberOfRowsInSection section: Int) -> Int {
35         return 3
36     }
37
38     func tableView(_ tableView: UITableView, cellForRowAt indexPath: IndexPath) -> UITableViewCell {
39         guard let cell = tableView.dequeueReusableCell(withIdentifier: "goalCell") as? GoalCell else { return UITableViewCell() }
40         cell.configureCell(description: "Eat salad twice a week.", type: "Short Term", goalProgressAmount: 2)
41         return cell
42     }
43 }
44 }
```

GOALPOST

Goal: Eat salad twice a week. 2

Type: Short Term

Goal: Eat salad twice a week. 2

Type: Short Term

Goal: Eat salad twice a week. 2

Type: Short Term

Label A variably sized amount of static text.

Identity and Type

Name: GoalsVC.swift

Type: Default - Swift Source

Location: Relative to Group

Full Path: /Users/calebstultz/Documents/Devs/ios/Courses/iOS 11/Core Data/App/goalpost-dev/goalpost-app/goalpost-app/Controller/GoalsVC.swift

On Demand Resource Tags

Only resources are taggable

Target Membership

goalpost-app

Text Settings

Text Encoding: No Explicit Encoding

Line Endings: No Explicit Line Endings

Indent Using: Spaces

Widths: Tab 4 Indent 4

Wrap lines

Label A variably sized amount of static text.

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

Running goalpost-app on iPhone 7

goalpost-app

GoalType.swift

```
1 // GoalType.swift
2 // Created by Caleb Stultz on 7/31/17.
3 // Copyright © 2017 Caleb Stultz. All rights reserved.
4 //
5 import Foundation
6
7 enum GoalType: String {
8     case longTerm = "Long Term"
9     case shortTerm = "Short Term"
10}
11
```

identity and Type

Name: GoalType.swift
Type: Default - Swift Source
Location: Relative to Group
Full Path: /Users/calebstultz/Documents/Devs/ios/Courses/iOS 11/Core Data/App/goalpost-dev/goalpost-app/goalpost-app/Enums/GoalType.swift

On Demand Resource Tags

Only resources are taggable

Target Membership

goalpost-app

Text Settings

Text Encoding: No Explicit Encoding
Line Endings: No Explicit Line Endings
Indent Using: Spaces
Widths: Tab 4 Indent 4
Wrap lines

Label Label - A variably sized amount of static text.



goalpost-app

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

Running goalpost-app on iPhone 7

goalpost-app

GoalType.swift

```
1 // GoalType.swift
2 // Created by Caleb Stultz on 7/31/17.
3 // Copyright © 2017 Caleb Stultz. All rights reserved.
4 //
5 import Foundation
6
7 enum GoalType: String {
8     case longTerm = "Long Term"
9     case shortTerm = "Short Term"
10}
11
```

identity and Type

Name: GoalType.swift
Type: Default - Swift Source
Location: Relative to Group
Full Path: /Users/calebstultz/Documents/Desktop/Courses/iOS 11/Core Data/App/goalpost-dev/goalpost-app/goalpost-app/Enums/GoalType.swift

On Demand Resource Tags

Only resources are taggable

Target Membership

goalpost-app

Text Settings

Text Encoding: No Explicit Encoding
Line Endings: No Explicit Line Endings
Indent Using: Spaces
Widths: Tab 4 Indent 4
Wrap lines

Label Label - A variably sized amount of static text.



goalpost-app

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

Running goalpost-app on iPhone 7

goalpost-app

GoalCell.swift

configureCell(description:type:goalProgressAmount:)

```
1 // GoalCell.swift
2 // Created by Caleb Stultz on 7/31/17.
3 // Copyright © 2017 Caleb Stultz. All rights reserved.
4 //
5 // Created by Caleb Stultz on 7/31/17.
6 // Copyright © 2017 Caleb Stultz. All rights reserved.
7 //
8
9 import UIKit
10
11 class GoalCell: UITableViewCell {
12
13     @IBOutlet weak var goalDescriptionLbl: UILabel!
14     @IBOutlet weak var goalTypeLbl: UILabel!
15     @IBOutlet weak var goalProgressLbl: UILabel!
16
17     func configureCell(description: String, type: GoalType, goalProgressAmount: Int) {
18         self.goalDescriptionLbl.text = description
19         self.goalTypeLbl.text = type.rawValue
20         self.goalProgressLbl.text = String(describing: goalProgressAmount)
21     }
22
23 }
24
```

identity and Type

Name: GoalCell.swift
Type: Default - Swift Source
Location: Relative to Group
Full Path: /Users/calebstultz/Documents/Develo.../Courses/iOS 11/Core Data/App/goalpost-dev/goalpost-app/goalpost-app/View/G.../GoalCell.swift

On Demand Resource Tags

Only resources are taggable

Target Membership

goalpost-app

Text Settings

Text Encoding: No Explicit Encoding
Line Endings: No Explicit Line Endings
Indent Using: Spaces
Widths: Tab 4 Indent 4
Wrap lines

Label Label - A variably sized amount of static text.



goalpost-app