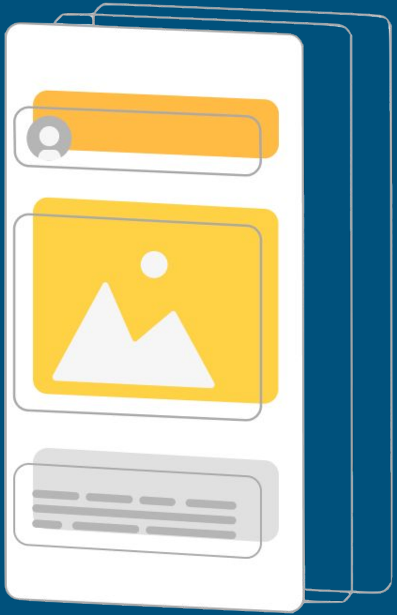
Speed Up your iOS Development



The Modules' Paradigm

SUMMARY

- Introduction
    - Most Used Patterns
    - How every single iOS App look internally
- Modules are wonderful!
- Tuning up your Views
- Coding Time
- Q&A

Introduction

About me:

https://github.com/fjtrujy

https://twitter.com/fjtrujy

https://medium.com/@fjtrujy

Introduction

- Pieces of Advices
- Based in my experience
- Working alone/team
- Development Speed
- Testability
- Reusability
- Stability
- Quality

Introduction - Most Used Patterns

- MVC
- MVP
- MVVM
- VIPER
- .....

The one that I use?

Introduction - Most Used Patterns

Elements:

- Model
- View
- Controller
- Module
- *Decorator
- **Service

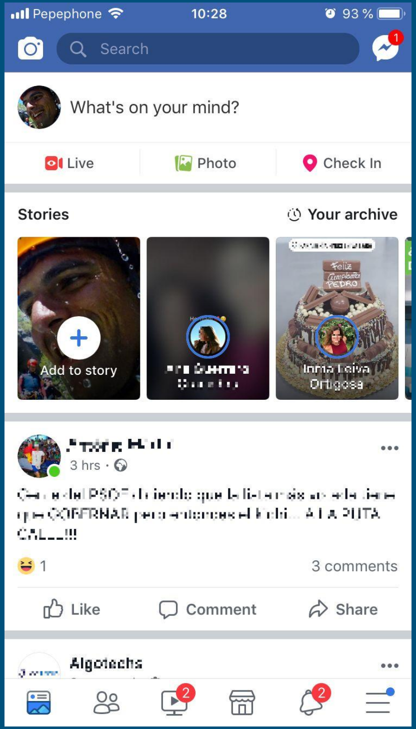
Introduction - Most Used Patterns

Elements:

- Controller
- Module
- Model
- View
- *Decorator
- **Service

CMMVD

Introduction - How every single iOS App look internally



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[redacted]

Inma Leiva Ortigosa

[redacted]

3 hrs ·

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1 3 comments

Like Comment Share

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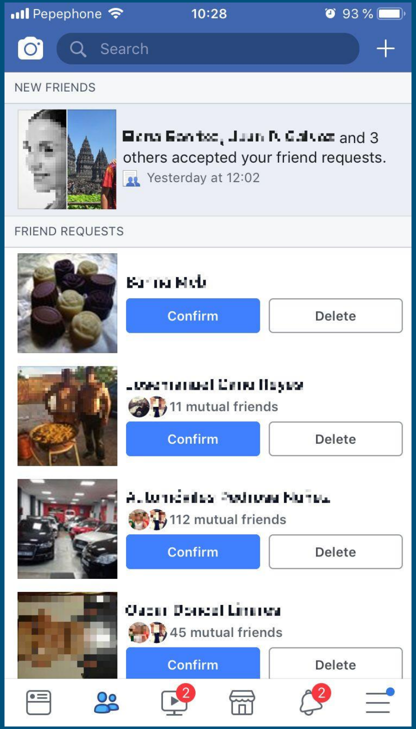

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NEW FRIENDS

[redacted] and 3 others accepted your friend requests.

Yesterday at 12:02

FRIEND REQUESTS

[redacted]

Confirm Delete

[redacted]

11 mutual friends

Confirm Delete

[redacted]

112 mutual friends

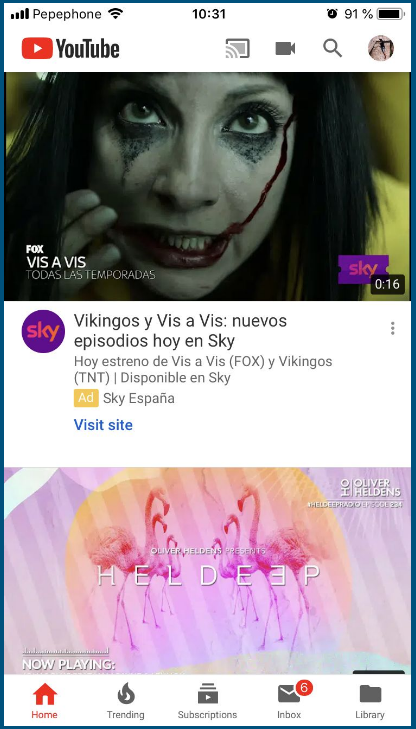
Confirm Delete

[redacted]

45 mutual friends

Confirm Delete

Introduction - How every single iOS App look internally



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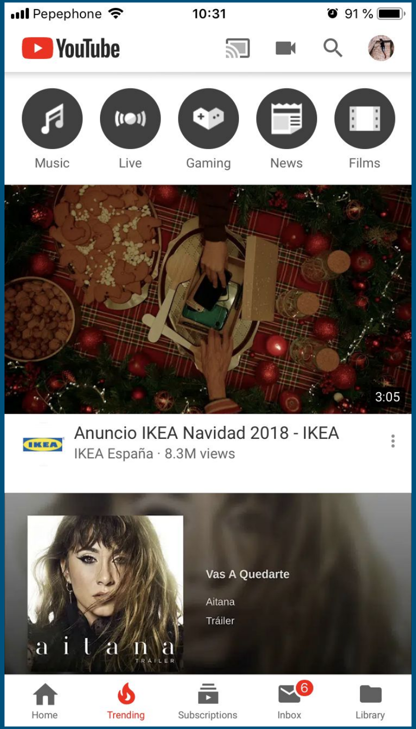


Anuncio IKEA Navidad 2018 - IKEA

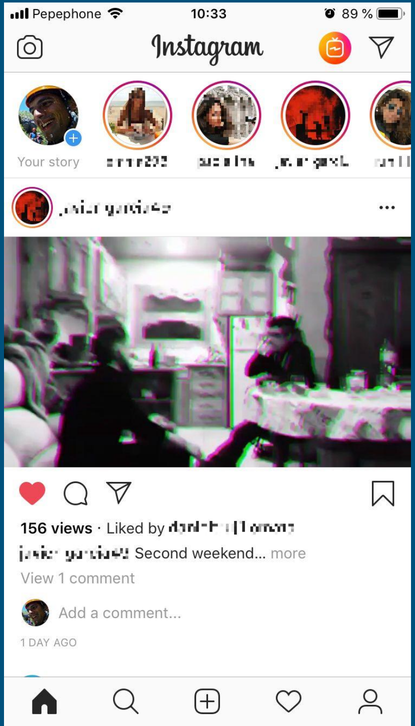
IKEA España · 8.3M views

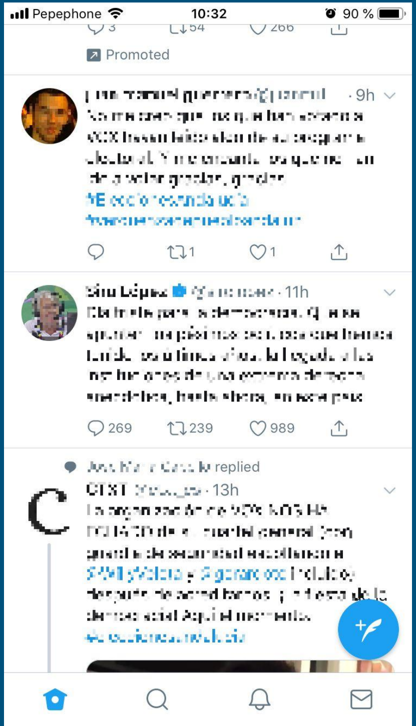
Vas A Quedarte

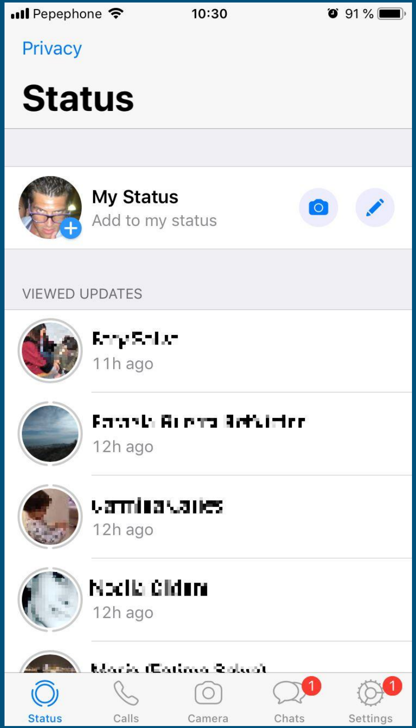
Aitana

Tráiler

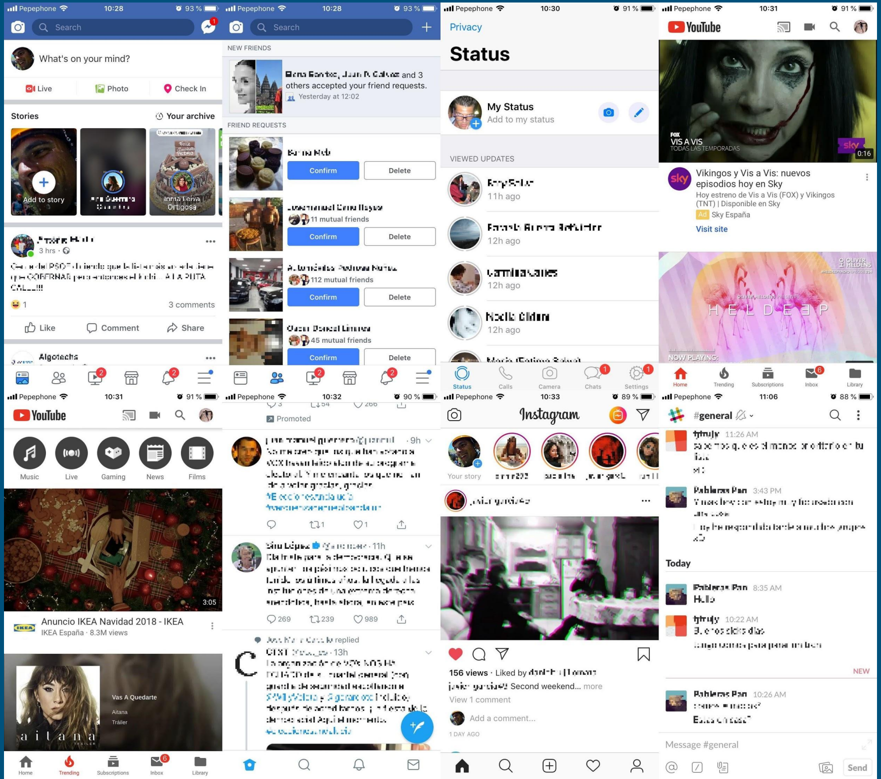
Introduction - How every single iOS App look internally







Introduction - How every single iOS App look internally



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What's on your mind?

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Add to story

Inma Leiva Ortigosa

3 hrs

3 comments

Like | Comment | Share

Algotechs

NEW FRIENDS

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Confirm | Delete

11 mutual friends

Confirm | Delete

112 mutual friends

Confirm | Delete

45 mutual friends

Confirm | Delete

Pepephone 10:30 91 %

Privacy

Status

My Status
Add to my status

VIEWED UPDATES

11h ago

12h ago

12h ago

12h ago

Status | Calls | Camera | Chats | Settings

Pepephone 10:31 91 %

YouTube

FOX VIS A VIS TODAS LAS TEMPORADAS

sky 0:16

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Pepephone 10:32 90 %

Promoted

9h

11h

269 | 239 | 989

replied

13h

Pepephone 10:33 89 %

Instagram

Your story

156 views · Liked by

Second weekend... more

View 1 comment

Add a comment...

1 DAY AGO

Pepephone 11:06 88 %

#general

11:26 AM

3:43 PM

Today

8:35 AM

Hello

10:22 AM

NEW

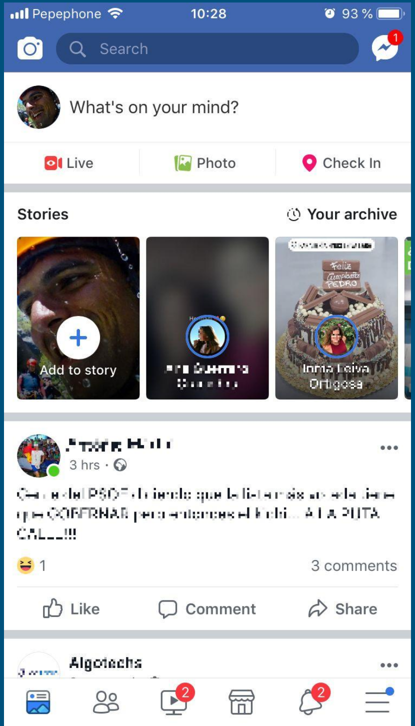
10:26 AM

Message #general

Send

UITableViews

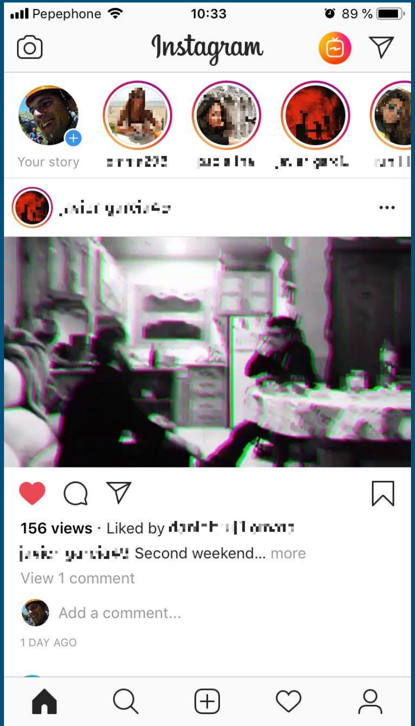
Introduction - How every single iOS App look internally



Sections:

- Create new post
- Stories
- Post from your friends

Introduction - How every single iOS App look internally



156 views · Liked by [redacted]

[redacted] Second weekend... more

View 1 comment

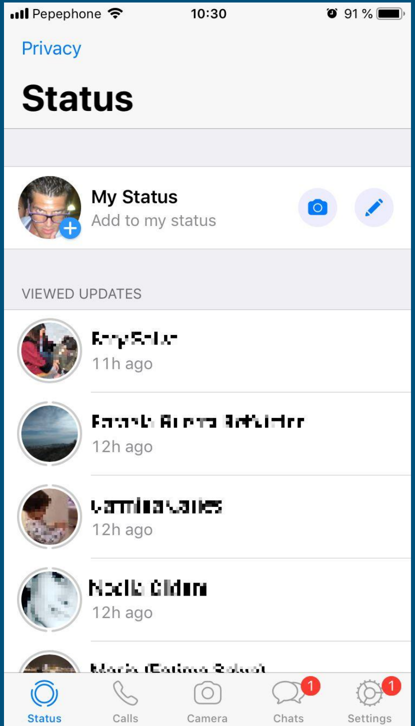
Add a comment...

1 DAY AGO

Sections:

- Stories
- Post from your friends

Introduction - How every single iOS App look internally



Pepephone 10:30 91 %

Privacy

Status

My Status
Add to my status

VIEWED UPDATES

[redacted]
11h ago

[redacted]
12h ago

[redacted]
12h ago

[redacted]
12h ago

[redacted]

Sections:

- Post your Story
- Stories from your friends
  - Recent Updates
  - Viewed

Introduction - How every single iOS App look internally

SECTION

=

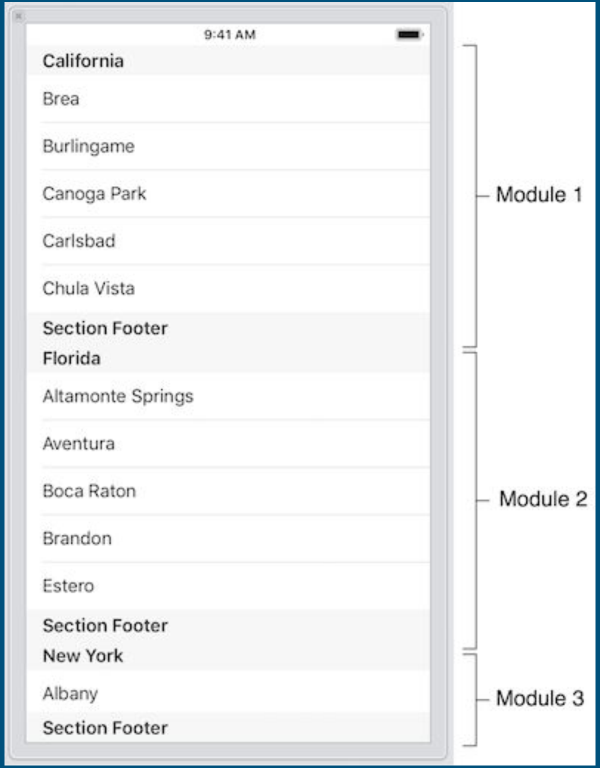
MODULE

Modules are Wonderful!

A Module:

- Is just a Powerful Section of a UITableView
- Works as Isolated component
- Is Reusable
- Is Easy to extend
- Is Scalable

Modules are Wonderful!



9:41 AM

California

Brea

Burlingame

Canoga Park

Carlsbad

Chula Vista

Section Footer

Florida

Altamonte Springs

Aventura

Boca Raton

Brandon

Estero

Section Footer

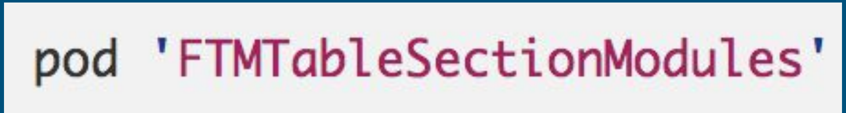
New York

Albany

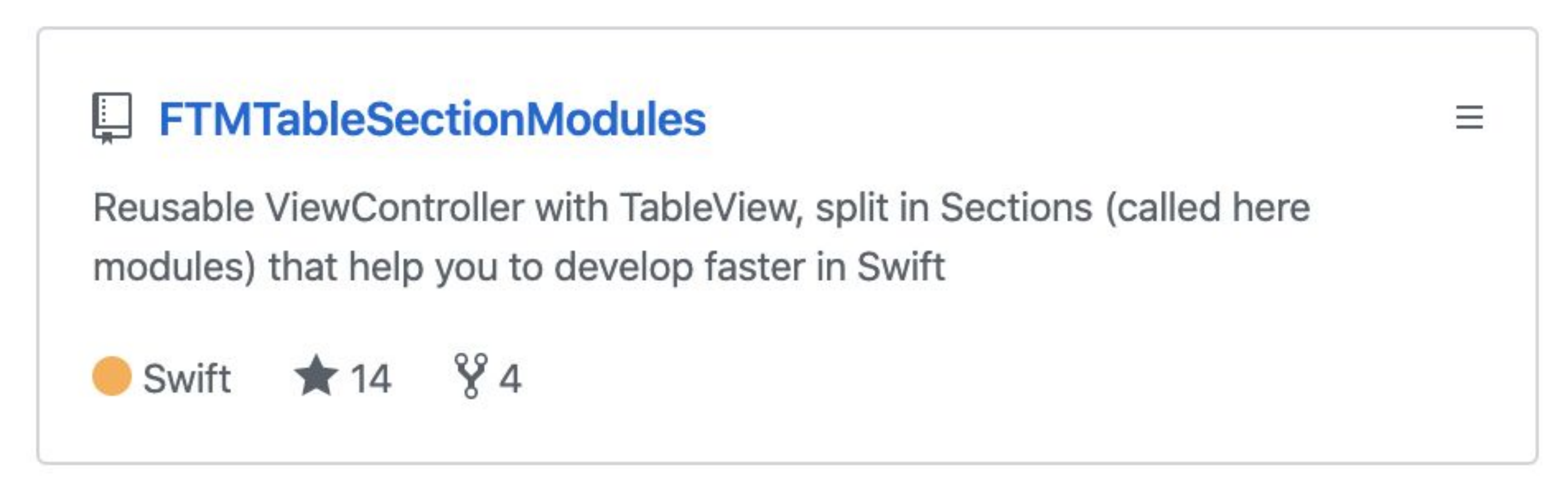
Section Footer

- Must see the apps as a collections of small components that could appear in any place.
- If we want to reuse the “Module 1” in a different VC it should be as easiest as possible.
- The VCs are composed by a list of Modules.

Modules are Wonderful!



```
pod 'FTMTableSectionModules'
```

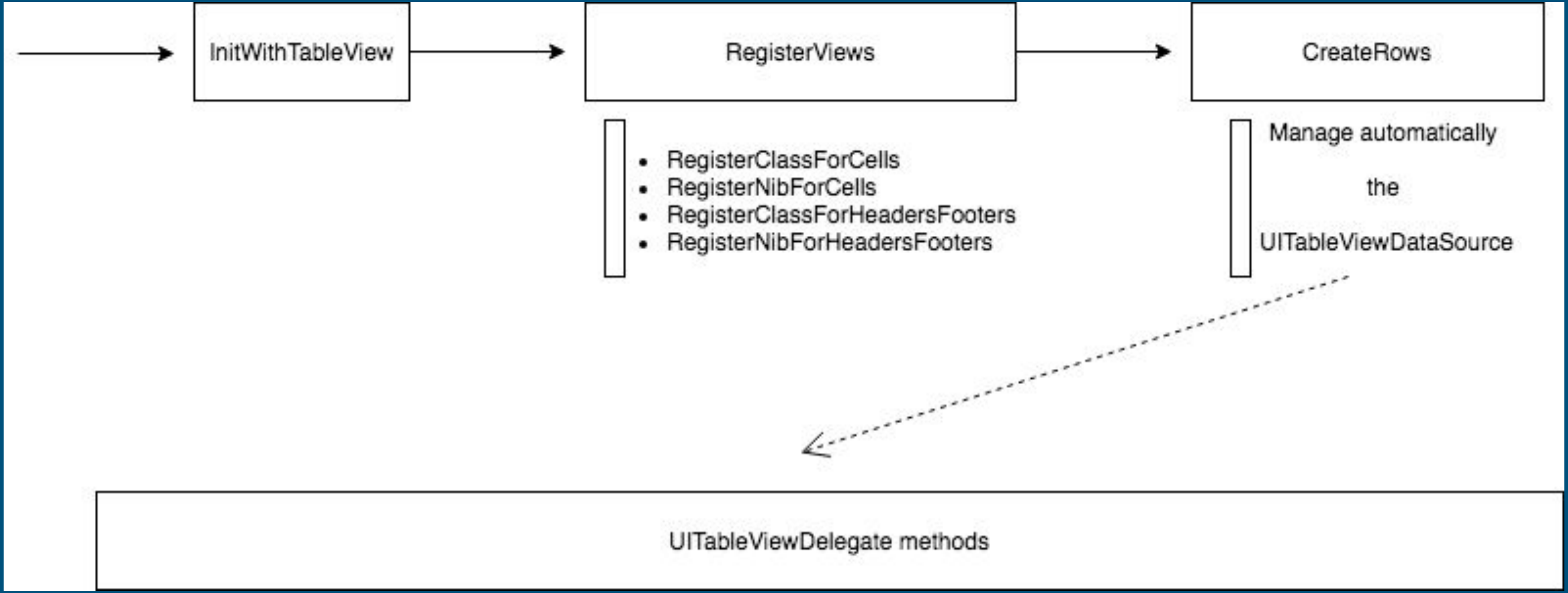


FTMTableSectionModules

Reusable ViewController with TableView, split in Sections (called here modules) that help you to develop faster in Swift

● Swift ★ 14 4

Modules are Wonderful!



InitWithTableView

RegisterViews

CreateRows

- RegisterClassForCells
- RegisterNibForCells
- RegisterClassForHeadersFooters
- RegisterNibForHeadersFooters

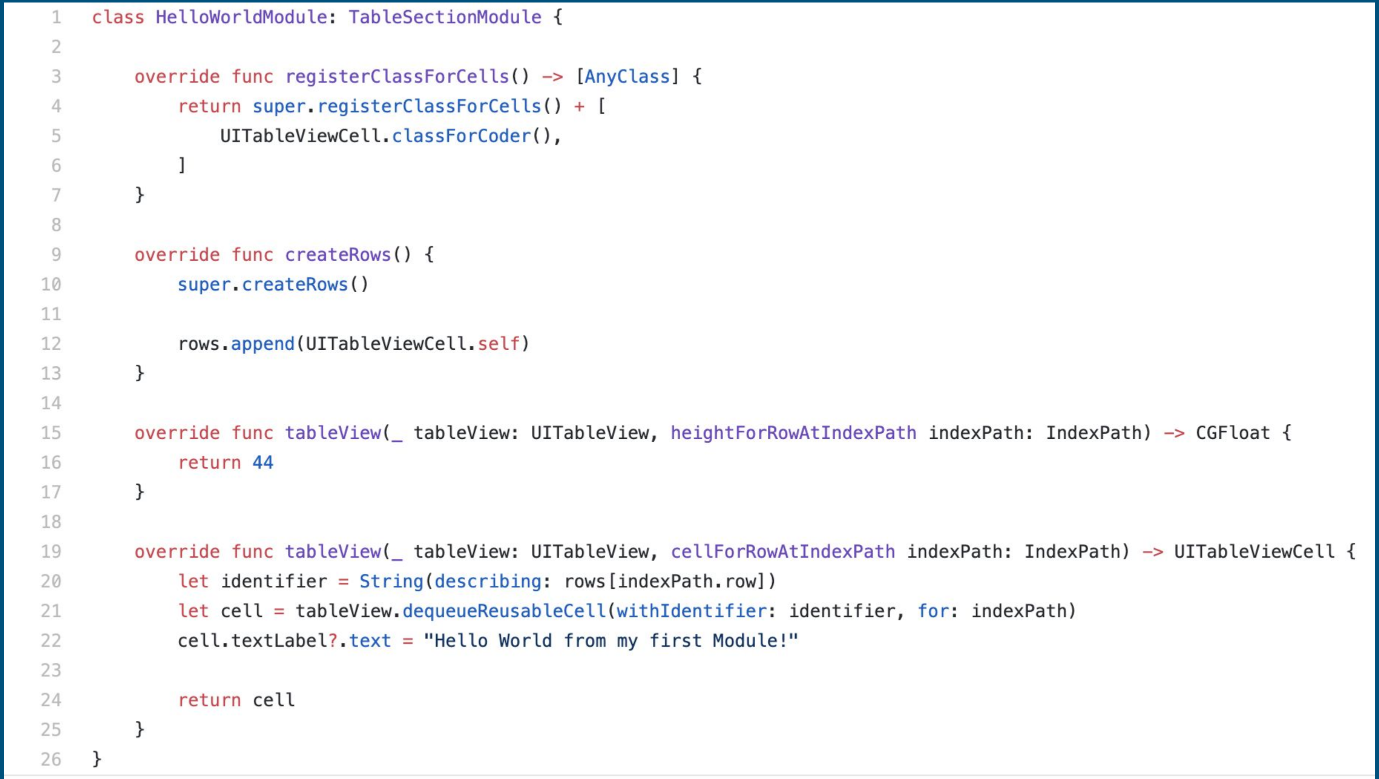
Manage automatically

the

UITableViewDataSource

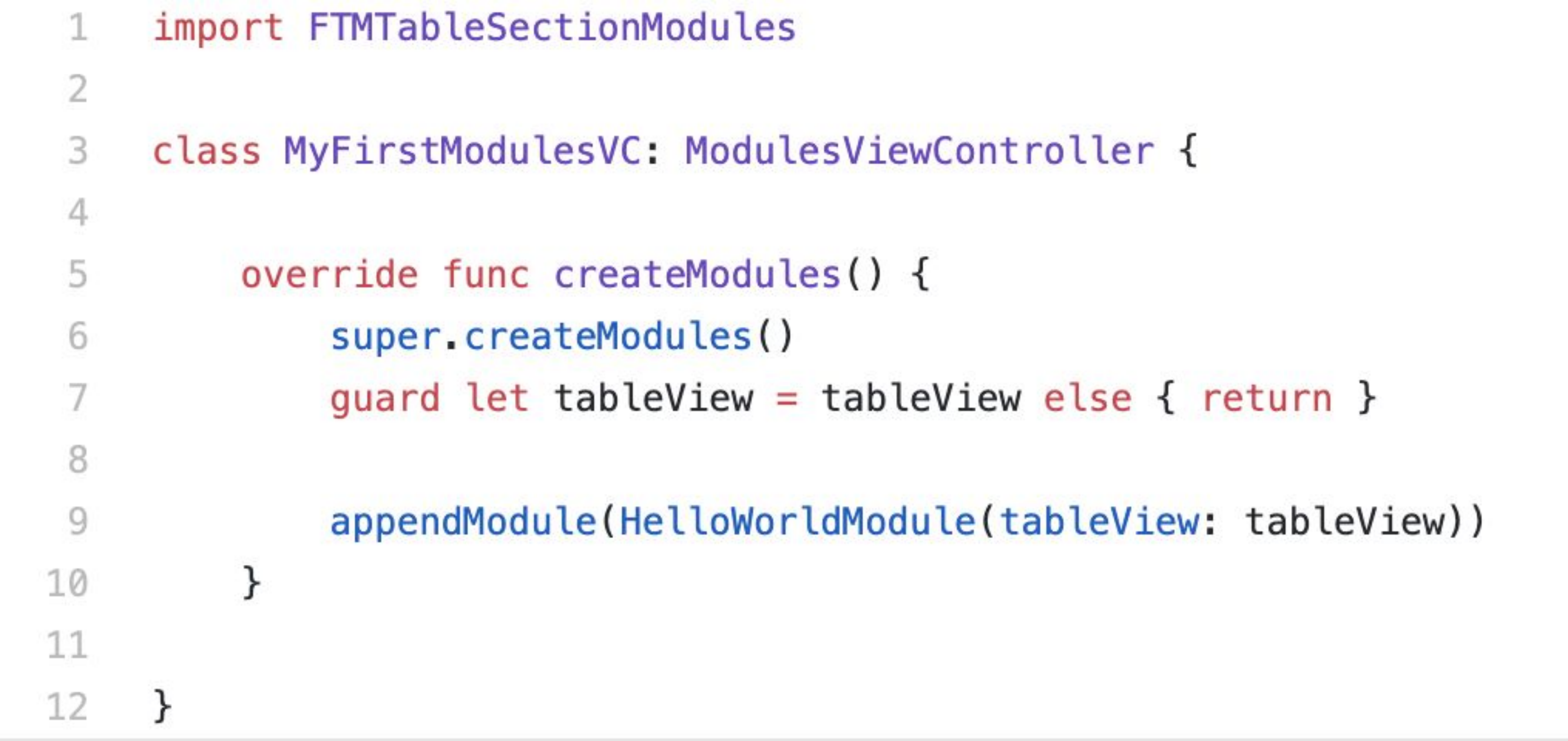
UITableViewDelegate methods

Modules are Wonderful!



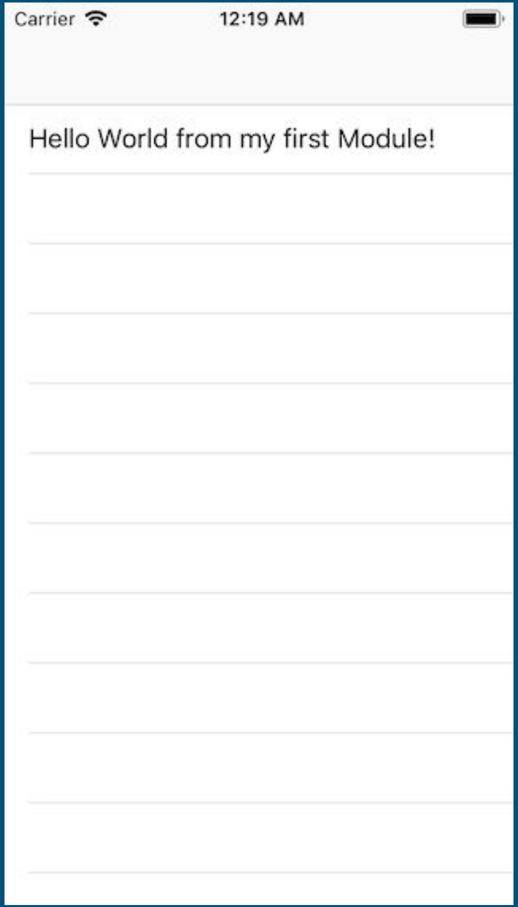
```
class HelloWorldModule: TableSectionModule {

    override func registerClassForCells() -> [AnyClass] {
        return super.registerClassForCells() + [
            UITableViewCell.classForCoder(),
        ]
    }

    override func createRows() {
        super.createRows()

        rows.append(UITableViewCell.self)
    }

    override func tableView(_ tableView: UITableView, heightForRowAtIndexPath indexPath: IndexPath) -> CGFloat {
        return 44
    }

    override func tableView(_ tableView: UITableView, cellForRowAtIndexPath indexPath: IndexPath) -> UITableViewCell {
        let identifier = String(describing: rows[indexPath.row])
        let cell = tableView.dequeueReusableCell(withIdentifier: identifier, for: indexPath)
        cell.textLabel?.text = "Hello World from my first Module!"

        return cell
    }
}
```

Modules are Wonderful!



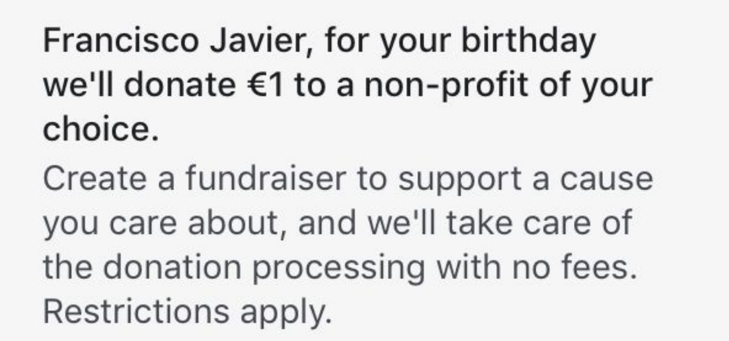
```swift
import FTMTableSectionModules

class MyFirstModulesVC: ModulesViewController {

    override func createModules() {
        super.createModules()
        guard let tableView = tableView else { return }

        appendModule(HelloWorldModule(tableView: tableView))
    }

}
```

Modules are Wonderful!



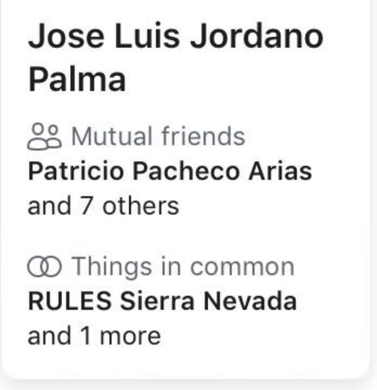
Hello World from my first Module!

Tuning up your views!



Francisco Javier, for your birthday we'll donate €1 to a non-profit of your choice.

Create a fundraiser to support a cause you care about, and we'll take care of the donation processing with no fees. Restrictions apply.



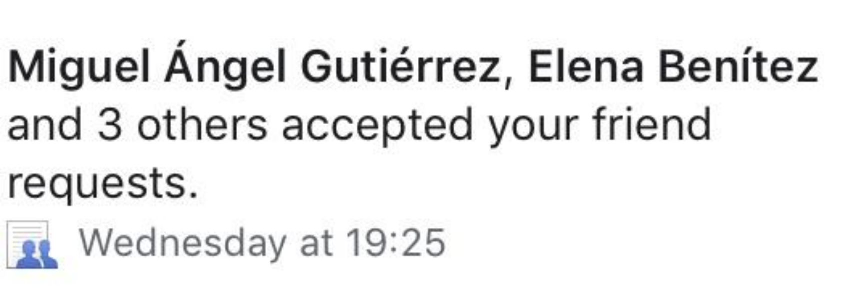
Jose Luis Jordano Palma

Mutual friends

Patricio Pacheco Arias and 7 others

Things in common

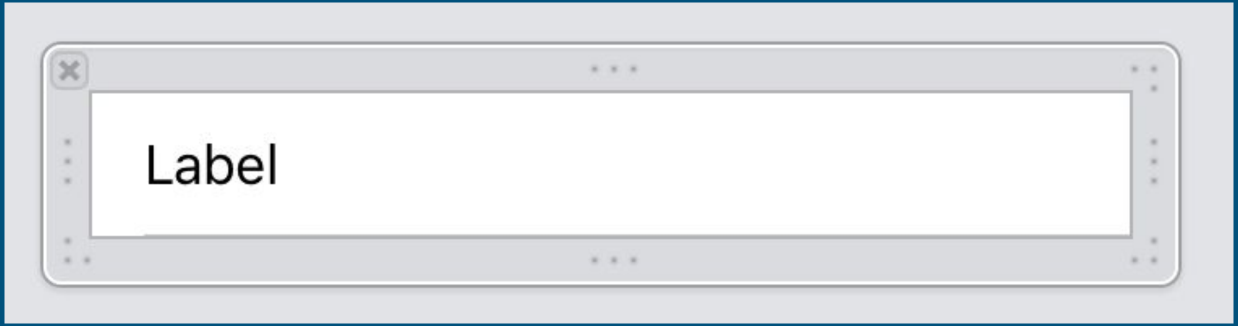
RULES Sierra Nevada and 1 more



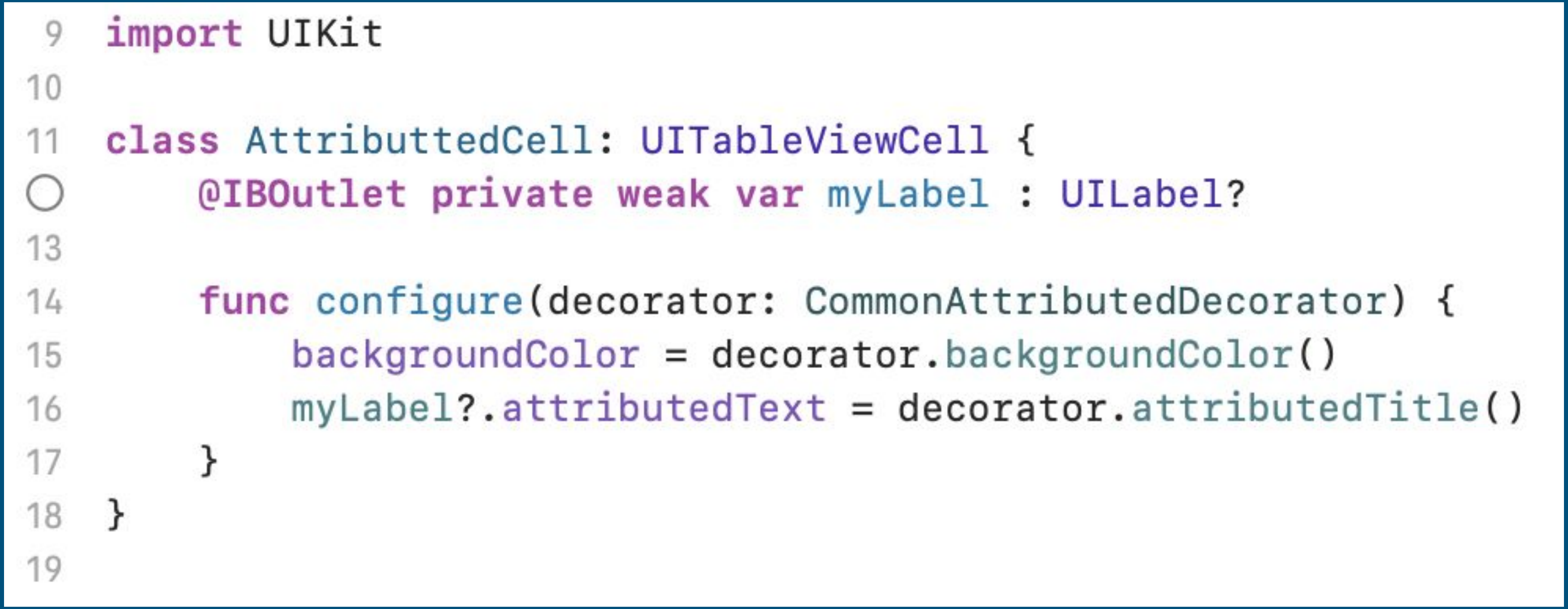
Miguel Ángel Gutiérrez, Elena Benítez and 3 others accepted your friend requests.

Wednesday at 19:25

Tuning up your views!



Tuning up your views!



```swift
import UIKit

class AttributtedCell: UITableViewCell {
    @IBOutlet private weak var myLabel : UILabel?

    func configure(decorator: CommonAttributedDecorator) {
        backgroundColor = decorator.backgroundColor()
        myLabel?.attributedText = decorator.attributedTitle()
    }
}

```

Tuning up your views!

The Decorator is the key!

- Don’t confuse with the Decorator Pattern
- It works as ViewModel
- Contains a lot of logic
- Takes advantage of the NSAttributedString

Tuning up your views!

What are the view responsibilities:

- Mainly defines subviews positions
- Works with Autolayout
- Asks the decorator how to “decorate” the view

Coding Time

Q&A

sync.

We are hiring!
iOS
Android
NodeJS

THANKS