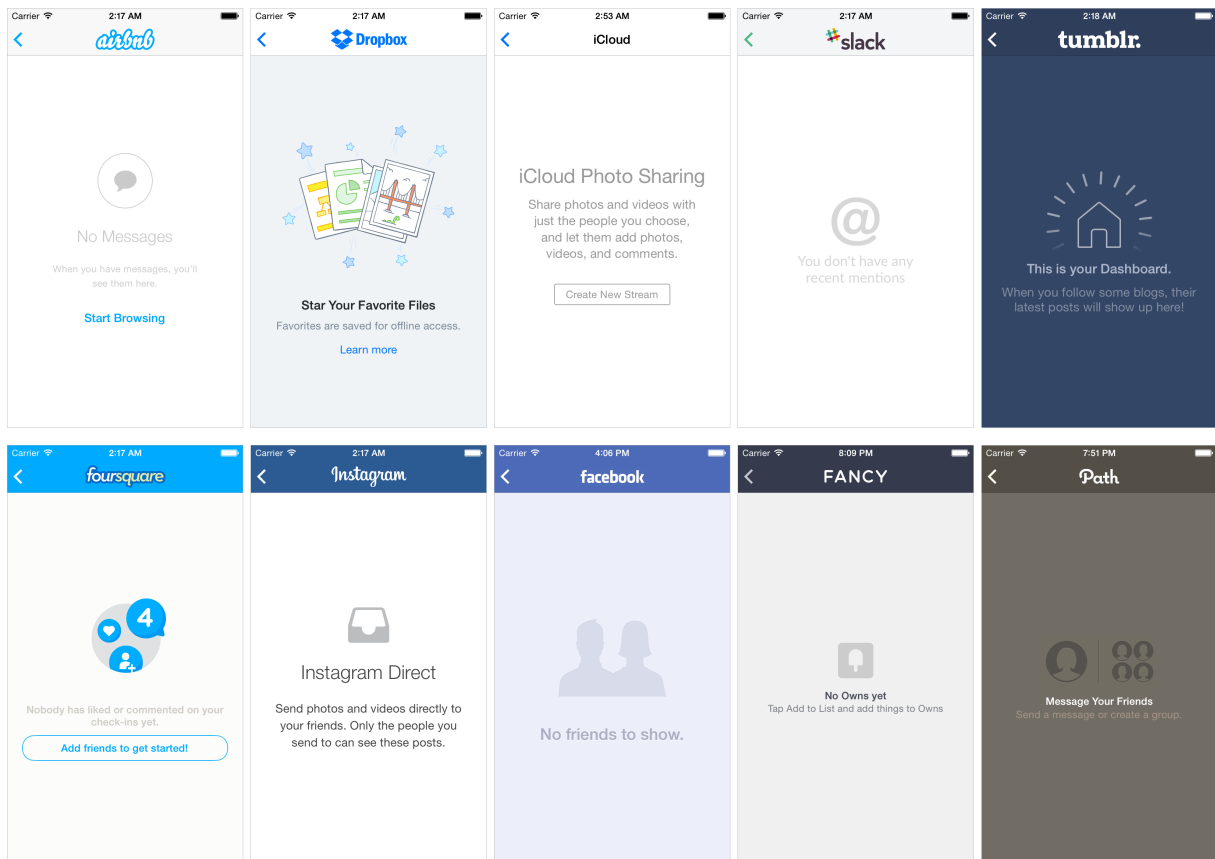

EmptyDataSet-Swift

pod 5.0.0 Carthage compatible iOS 8.0 license MIT swift 5.0

A drop-in UITableView/UICollectionViewController superclass category for showing empty datasets whenever the view has no content to display. DZNEmptyDataSet with Swift.

ScreenShot



Installation

CocoaPods

```
1 pod 'EmptyDataSet-Swift', '~> 5.0.0'
```

Carthage

```
1 github "Xiaoye220/EmptyDataSet-Swift" "4.2.0"
```

Usage

Basic

Same as DZNEEmptyDataSet

```
1 import EmptyDataSet_Swift
2
3 class OriginalUsageViewController: UITableViewController,
  EmptyDataSetSource, EmptyDataSetDelegate {
4
5     override func viewDidLoad() {
6         super.viewDidLoad()
7
8         tableView.emptyDataSetSource = self
9         tableView.emptyDataSetDelegate = self
10    }
11 }
```

EmptyDataSetDelegate

```
1 public protocol EmptyDataSetDelegate: class {
2
3     /// Asks the delegate to know if the empty dataset should fade in
4     /// when displayed. Default is true.
5     func emptyDataSetShouldFadeIn(_ scrollView: UIScrollView) -> Bool
6
7     /// Asks the delegate to know if the empty dataset should still be
8     /// displayed when the amount of items is more than 0. Default is
9     /// false.
10    func emptyDataSetShouldBeForcedToDisplay(_ scrollView: UIScrollView
11    ) -> Bool
12
13    /// Asks the delegate to know if the empty dataset should be
14    /// rendered and displayed. Default is true.
15    func emptyDataSetShouldDisplay(_ scrollView: UIScrollView) -> Bool
16
17    /// Asks the delegate for touch permission. Default is true.
18    func emptyDataSetShouldAllowTouch(_ scrollView: UIScrollView) ->
19    Bool
20
21    /// Asks the delegate for scroll permission. Default is false.
22    func emptyDataSetShouldAllowScroll(_ scrollView: UIScrollView) ->
23    Bool
24 }
```

```

18     /// Asks the delegate for image view animation permission. Default
    is false.
19     /// Make sure to return a valid CAAAnimation object from
    imageAnimationForEmptyDataSet:
20     func emptyDataSetShouldAnimateImageView(_ scrollView: UIScrollView)
        -> Bool
21
22     /// Tells the delegate that the empty dataset view was tapped.
23     /// Use this method either to resignFirstResponder of a textfield
    or searchBar.
24     func emptyDataSet(_ scrollView: UIScrollView, didTapView view:
        UIView)
25
26     /// Tells the delegate that the action button was tapped.
27     func emptyDataSet(_ scrollView: UIScrollView, didTapButton button:
        UIButton)
28
29     /// Tells the delegate that the empty data set will appear.
30     func emptyDataSetWillAppear(_ scrollView: UIScrollView)
31
32     /// Tells the delegate that the empty data set did appear.
33     func emptyDataSetDidAppear(_ scrollView: UIScrollView)
34
35     /// Tells the delegate that the empty data set will disappear.
36     func emptyDataSetWillDisappear(_ scrollView: UIScrollView)
37
38     /// Tells the delegate that the empty data set did disappear.
39     func emptyDataSetDidDisappear(_ scrollView: UIScrollView)
40 }

```

EmptyDataSetSource

```

1 public protocol EmptyDataSetSource: class {
2
3     /// Asks the data source for the title of the dataset.
4     /// The dataset uses a fixed font style by default, if no
    attributes are set. If you want a different font style, return a
    attributed string.
5     func title(forEmptyDataSet scrollView: UIScrollView) ->
        NSAttributedString?
6
7     /// Asks the data source for the description of the dataset.
8     /// The dataset uses a fixed font style by default, if no
    attributes are set. If you want a different font style, return a
    attributed string.
9     func description(forEmptyDataSet scrollView: UIScrollView) ->
        NSAttributedString?
10
11     /// Asks the data source for the image of the dataset.
12     func image(forEmptyDataSet scrollView: UIScrollView) -> UIImage?
13

```

```

14    /// Asks the data source for a tint color of the image dataset.
15    /// Default is nil.
16    func imageTintColor(forEmptyDataSet scrollView: UIScrollView) ->
17    UIColor?
18
19    /// Asks the data source for the image animation of the dataset.
20    func imageAnimation(forEmptyDataSet scrollView: UIScrollView) ->
21    CAAAnimation?
22
23    /// Asks the data source for the title to be used for the specified
24    /// button state.
25    /// The dataset uses a fixed font style by default, if no
26    /// attributes are set. If you want a different font style, return a
27    /// attributed string.
28    func buttonTitle(forEmptyDataSet scrollView: UIScrollView, for
29    state: UIControl.State) -> NSAttributedString?
30
31    /// Asks the data source for the image to be used for the specified
32    /// button state.
33    /// This method will override buttonTitleForEmptyDataSet:forState:
34    /// and present the image only without any text.
35    func buttonImage(forEmptyDataSet scrollView: UIScrollView, for
36    state: UIControl.State) -> UIImage?
37
38    /// Asks the data source for a background image to be used for the
39    /// specified button state.
40    /// There is no default style for this call.
41    func buttonBackgroundImage(forEmptyDataSet scrollView: UIScrollView
42    , for state: UIControl.State) -> UIImage?
43
44    /// Asks the data source for the background color of the dataset.
45    /// Default is clear color.
46    func backgroundColor(forEmptyDataSet scrollView: UIScrollView) ->
47    UIColor?
48
49    /// Asks the data source for a custom view to be displayed instead
50    /// of the default views such as labels, imageview and button.
51    /// Default is nil.
52    /// Use this method to show an activity view indicator for loading
53    /// feedback, or for complete custom empty data set.
54    /// Returning a custom view will ignore -offsetForEmptyDataSet and
55    /// -spaceHeightForEmptyDataSet configurations.
56    func customView(forEmptyDataSet scrollView: UIScrollView) -> UIView
57    ?
58
59    /// Asks the data source for a offset for vertical alignment of the
60    /// content. Default is 0.
61    func verticalOffset(forEmptyDataSet scrollView: UIScrollView) ->
62    CGFloat
63

```

```
43     /// Asks the data source for a vertical space between elements.
    Default is 11 pts.
44     func spaceHeight(forEmptyDataSet scrollView: UIScrollView) ->
        CGFloat
45 }
```

Extensions

Usage without conform to datasource and/or delegate.Tableview just calls the following method.

```
1 public func emptyDataSetView(_ closure: @escaping (EmptyDataSetView) ->
    Void)
```

Example:

```
1 tableView.emptyDataSetView { view in
2     view.titleLabelString(titleString)
3     .detailLabelString(detailString)
4     .image(image)
5     .imageAnimation(imageAnimation)
6     .buttonTitle(buttonTitle, for: .normal)
7     .buttonTitle(buttonTitle, for: .highlighted)
8     .buttonBackgroundImage(buttonBackgroundImage, for: .normal)
9     .buttonBackgroundImage(buttonBackgroundImage, for: .highlighted
10    )
11    .dataSetBackgroundColor(backgroundColor)
12    .verticalOffset(verticalOffset)
13    .verticalSpace(spaceHeight)
14    .shouldDisplay(true, view: tableView)
15    .shouldFadeIn(true)
16    .isTouchAllowed(true)
17    .isScrollAllowed(true)
18    .isImageViewAnimateAllowed(isLoading)
19    .didTapDataButton {
20        // Do something
21    }
22    .didTapContentView {
23        // Do something
24    }
```

About CustomView

Set customView by using EmptyDataSetSource, other setting will be invalid.Set customView by using Extensions, other autolayout will be invalid.

Rule for displaying CustomView 1. CustomView will Display in the center of tableView 2. The verticalOffset of customView can be set by `func verticalOffset(forEmptyDataSet scrollView: UIScrollView) -> CGFloat` 3. The width and height is equal to the frame of customView. But if the customView is UILabel and its frame is CGRect.zero, its width and height will be autolayout by its content.

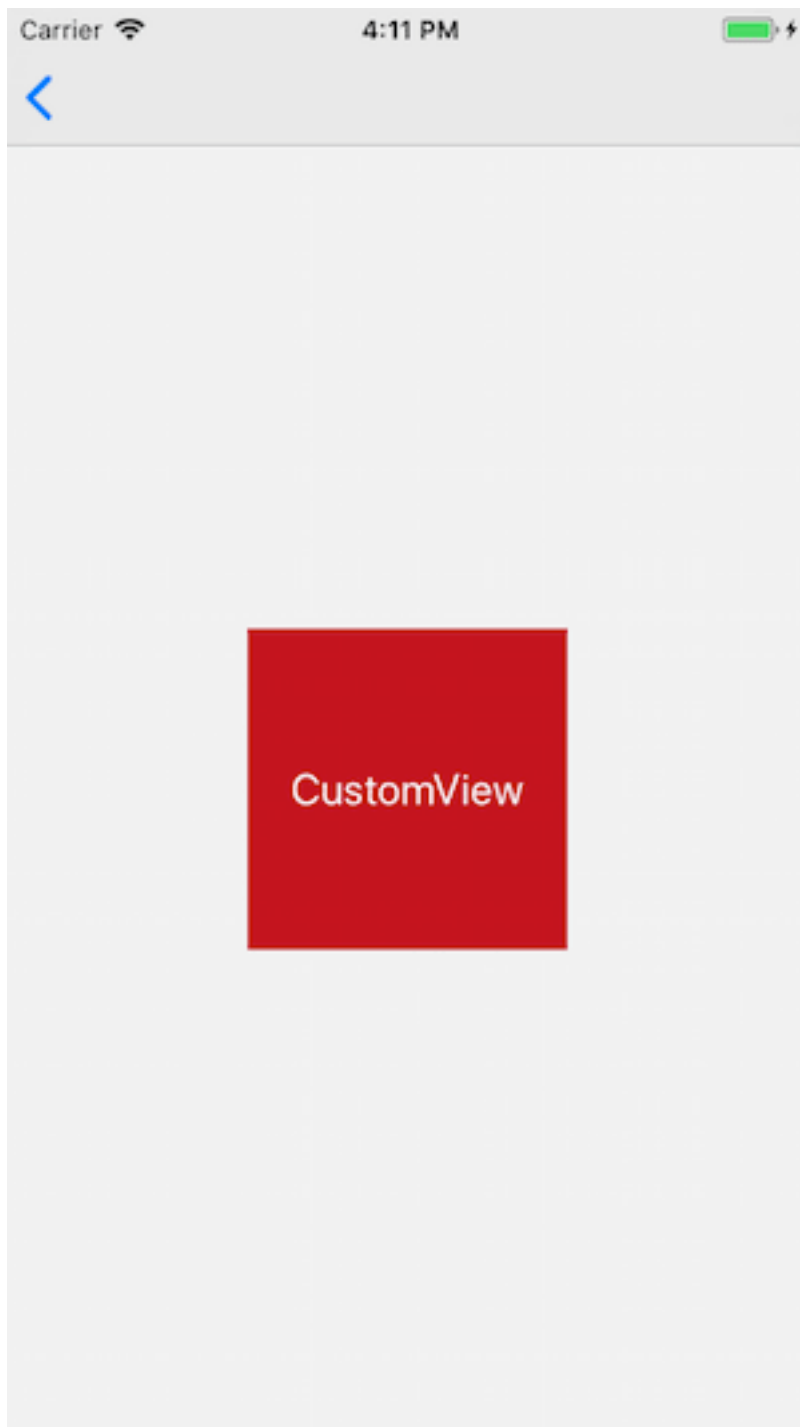
Example:

Rule 1

```
1 func customView(forEmptyDataSet scrollView: UIScrollView) -> UIView? {  
2     let view = CustomView(frame: CGRect(x: 0, y: 0, width: 150, height:  
        150))  
3     return view  
4 }
```

```
1 tableView.emptyDataSetView { [weak self] view in  
2     view.customView(CustomView(frame: CGRect(x: 0, y: 0, width: 150,  
        height: 150)))  
3 }
```

above code will show as follows



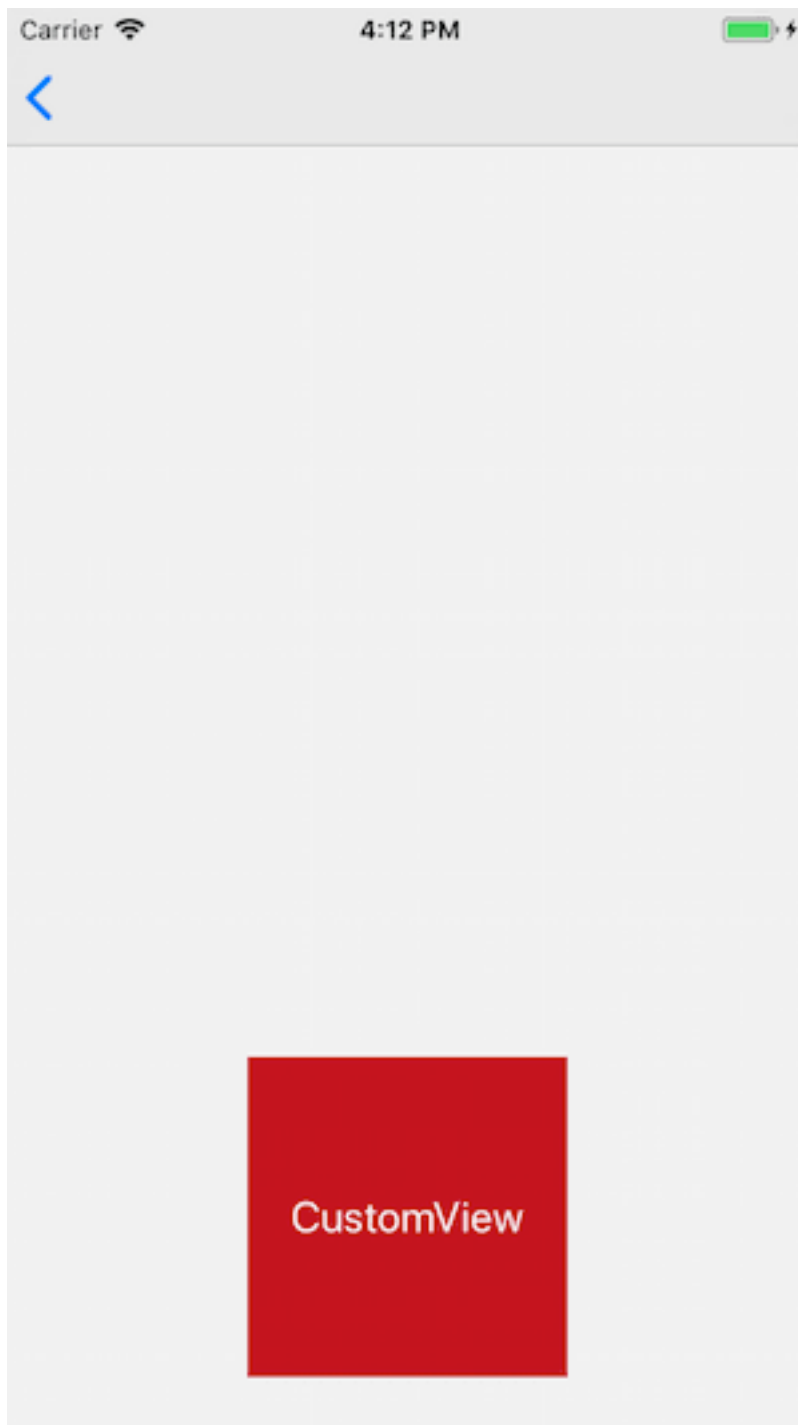
Rule 2

```
1 func customView(forEmptyDataSet scrollView: UIScrollView) -> UIView? {  
2     let view = CustomView(frame: CGRect(x: 0, y: 0, width: 150, height:  
        150))  
3     return view
```

```
4 }  
5 func verticalOffset(forEmptyDataSet scrollView: UIScrollView) ->  
    CGFloat {  
6     return 200  
7 }
```

```
1 tableView.emptyDataSetView { [weak self] view in  
2     view.customView(CustomView(frame: CGRect(x: 0, y: 0, width: 150,  
        height: 150)))  
3     .verticalOffset(200)  
4 }
```

above code will show as follows



Rule 3

```
1 func customView(forEmptyDataSet scrollView: UIScrollView) -> UIView? {  
2     let label = UILabel()  
3     label.text = "CustomView"  
4     label.backgroundColor = UIColor.red  
}
```

```
5     return label
6 }
```

above code will show as follows

