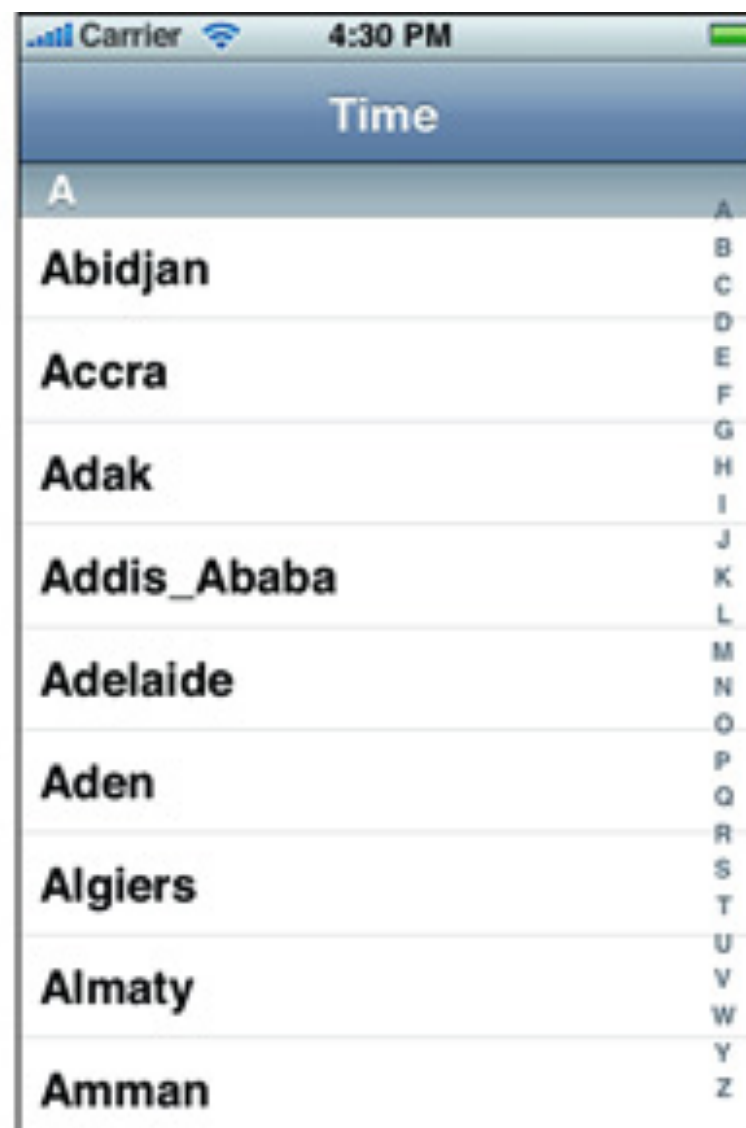
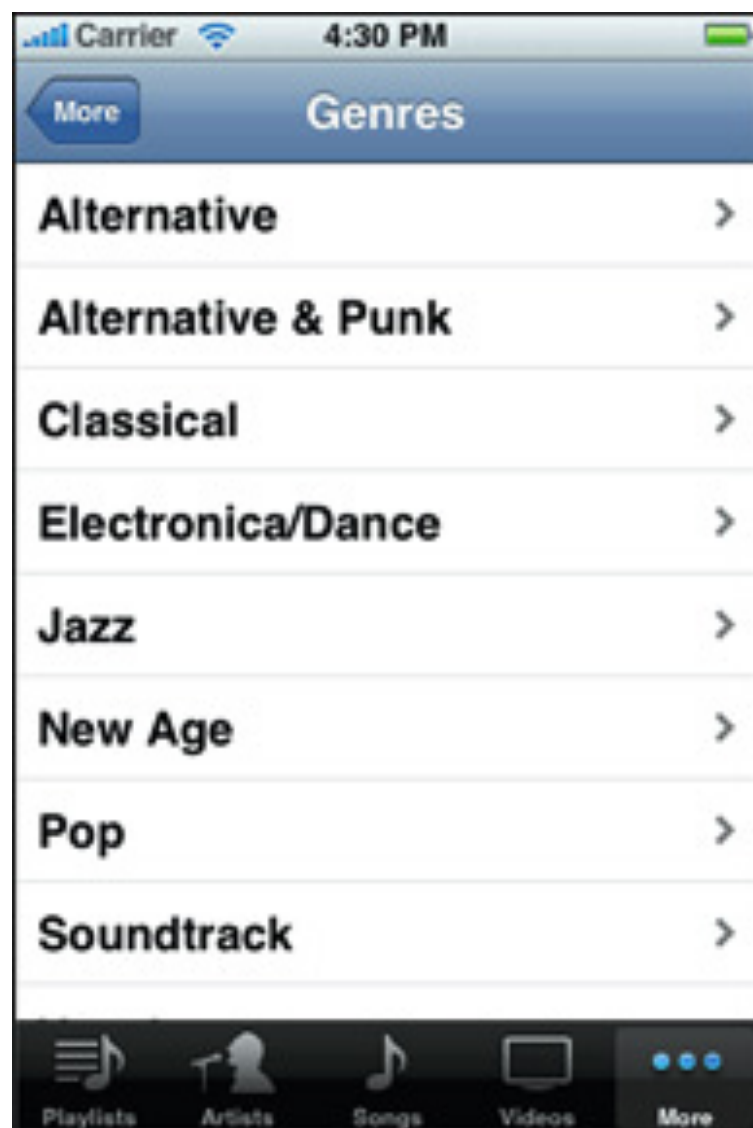


# UITableView

# UITableView

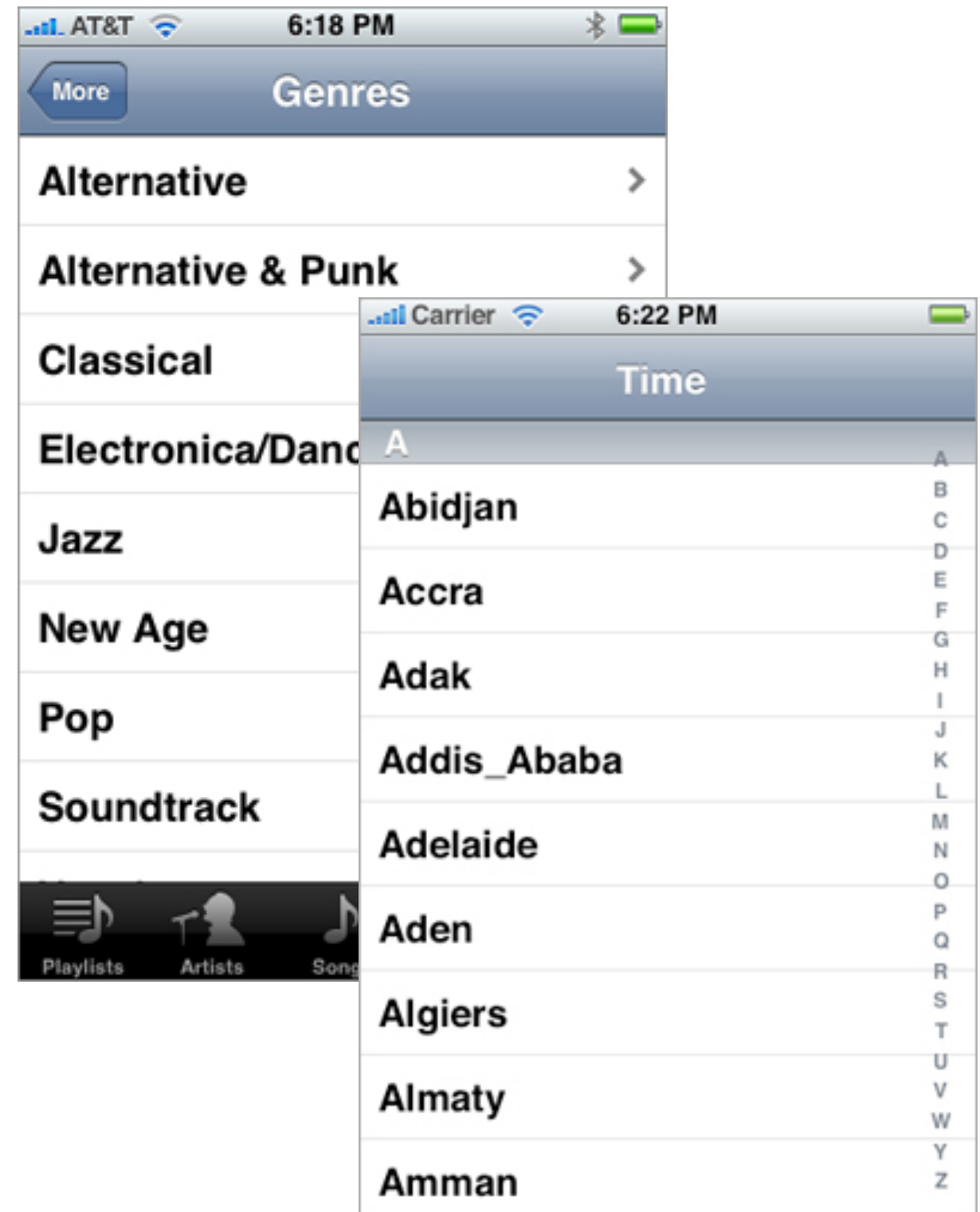
UIScrollView 를 상속받아 리스트 형태로 반복되는 아이템을 보여주기 위한 뷰

Plain Style / Grouped Style



## Plain Table Views

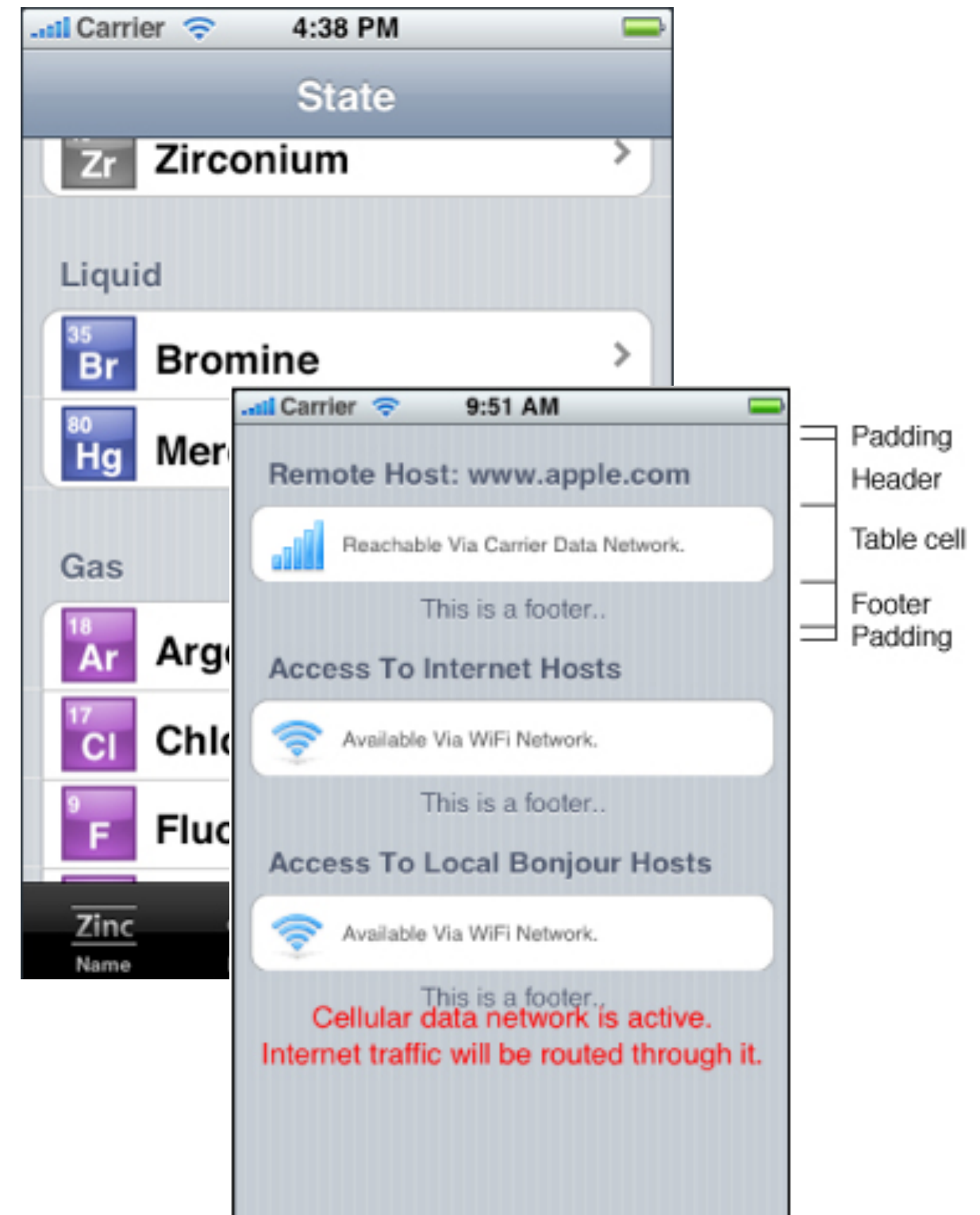
- 기본 스타일
- 하나 이상의 섹션을 가질 수 있으며  
각 섹션은 다시 하나 이상의 로우를 가짐
- 각 섹션은 그 자신의 헤더/푸터 뷰를  
가질 수 있고 해당 섹션이 보여질 때  
헤더뷰는 Top, 푸터뷰는 Bottom 에 고정
- 섹션을 빠르게 검색할 수 있도록  
Indexed List 를 설정 가능



# UITableView

## Grouped Table Views

- 관련된 아이템들을 하나의 그룹으로 그룹핑
- 데이터 계층 구조에 대한 상세 정보를 표현하는 데 적합한 형태
- Plain 스타일과 달리 헤더뷰와 푸터뷰가 Top, Bottom 에 고정되지 않음



# UITableViewDataSource

TableView 에서 표현할 데이터를 제공하는 데 사용하는 프로토콜

## Providing the Table View Data

### `dataSource`

The object that acts as the data source of the table view.

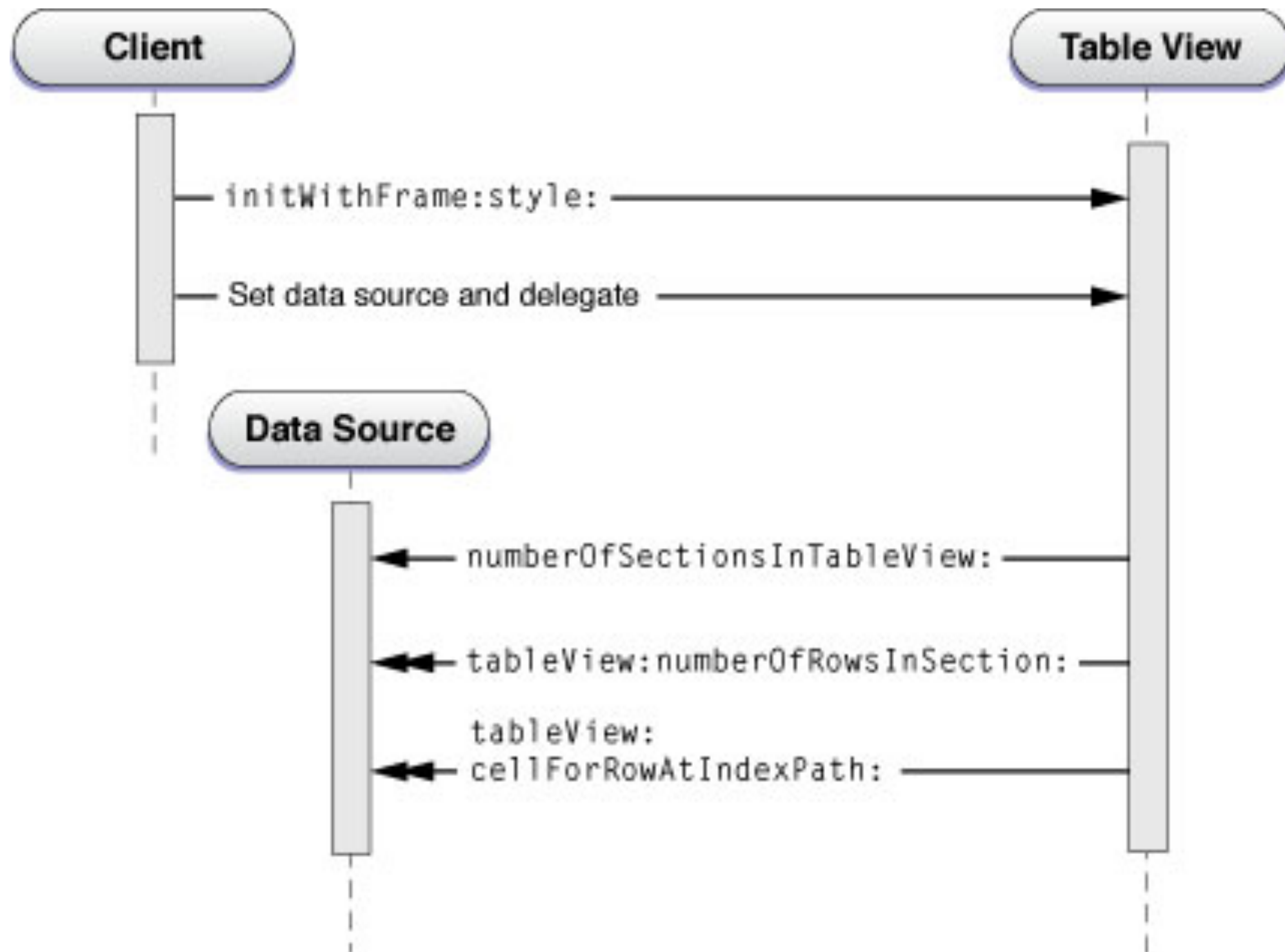
### `UITableViewDataSource`

The `UITableViewDataSource` protocol is adopted by an object that mediates the application's data model for a `UITableView` object. The data source provides the table-view object with the information it needs to construct and modify a table view.

### `UITableViewDataSourcePrefetching`

A protocol that provides advance warning of the data requirements for a table view, allowing the triggers of asynchronous data load operations.

# Configuring a table view



# UITableViewDataSource

```
protocol UITableViewDataSource : NSObjectProtocol {  
    func tableView(_ tableView: UITableView, numberOfRowsInSection section: Int) -> Int  
    func tableView(_ tableView: UITableView, cellForRowAt indexPath: IndexPath) -> UITableViewCell  
}
```

```
func tableView(  
    _ tableView: UITableView,  
    numberOfRowsInSection section: Int  
) -> Int {  
    // 섹션별 row 갯수  
}
```

```
func tableView(  
    _ tableView: UITableView,  
    cellForRowAt indexPath: IndexPath  
) -> UITableViewCell {  
    // UITableViewCell 커스터마이징  
}
```

# UITableViewDelegate

Interaction 과 관련된 동작을 커스터마이징하는 프로토콜

## Customizing the Table View Behavior

`delegate`

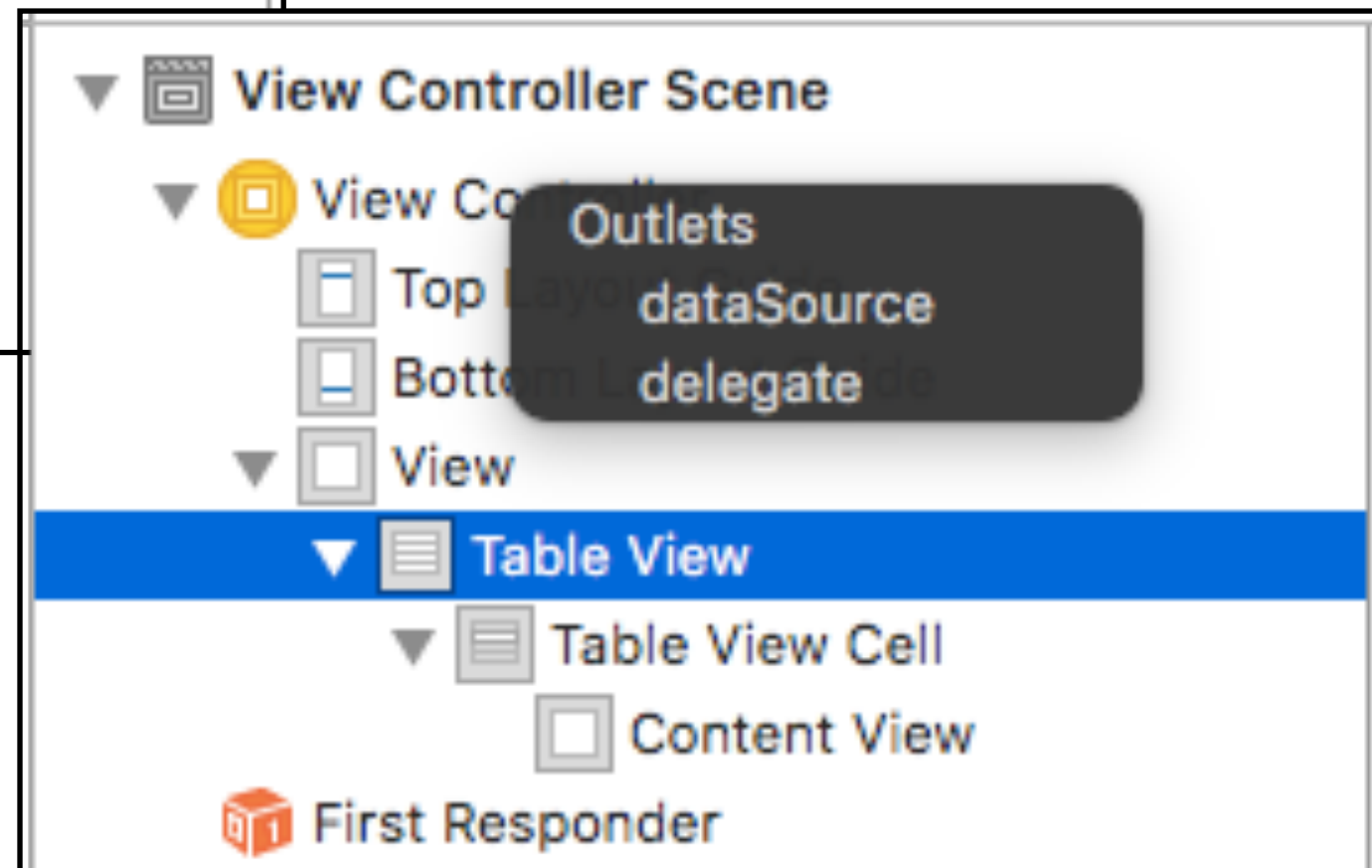
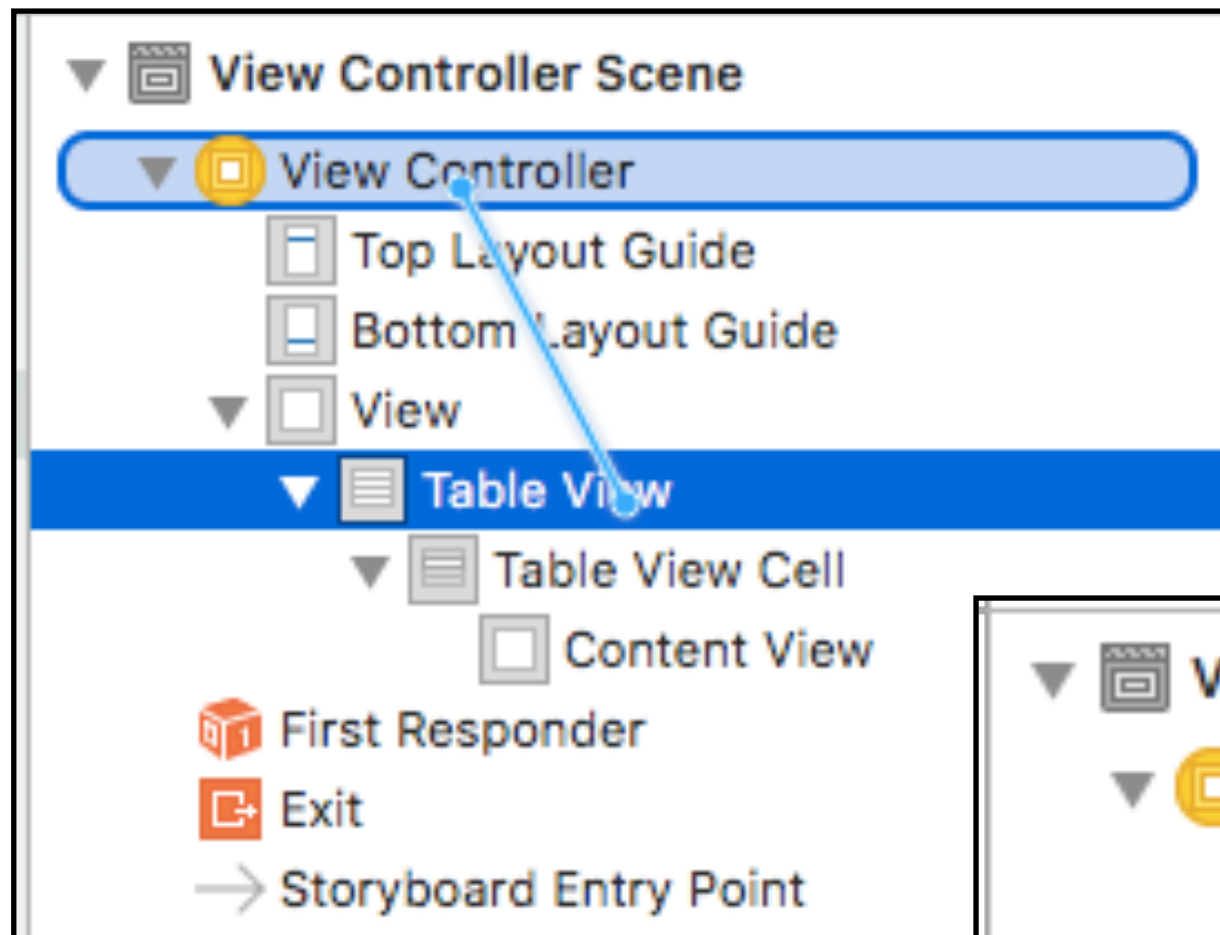
The object that acts as the delegate of the table view.

`UITableViewDelegate`

The delegate of a `UITableView` object must adopt the `UITableViewDelegate` protocol. Optional methods of the protocol allow the delegate to manage selections, configure section headings and footers, help to delete and reorder cells, and perform other actions.



# DataSource & Delegate



TableView 에서 사용하는 각 아이템을 담는 컨테이너

반복되는 셀을 매번 생성, 해제, 재할당하는 부담을 덜기 위해 화면에 보이지 않는 부분의 셀을 재사용

## Creating Table View Cells

- [registerNib:forCellReuseIdentifier:](#)

Registers a nib object containing a cell with the table view under a specified identifier.

- [registerClass:forCellReuseIdentifier:](#)

Registers a class for use in creating new table cells.

- [dequeueReusableCellWithIdentifier:forIndexPath:](#)

Returns a reusable table-view cell object for the specified reuse identifier and adds it to the table.

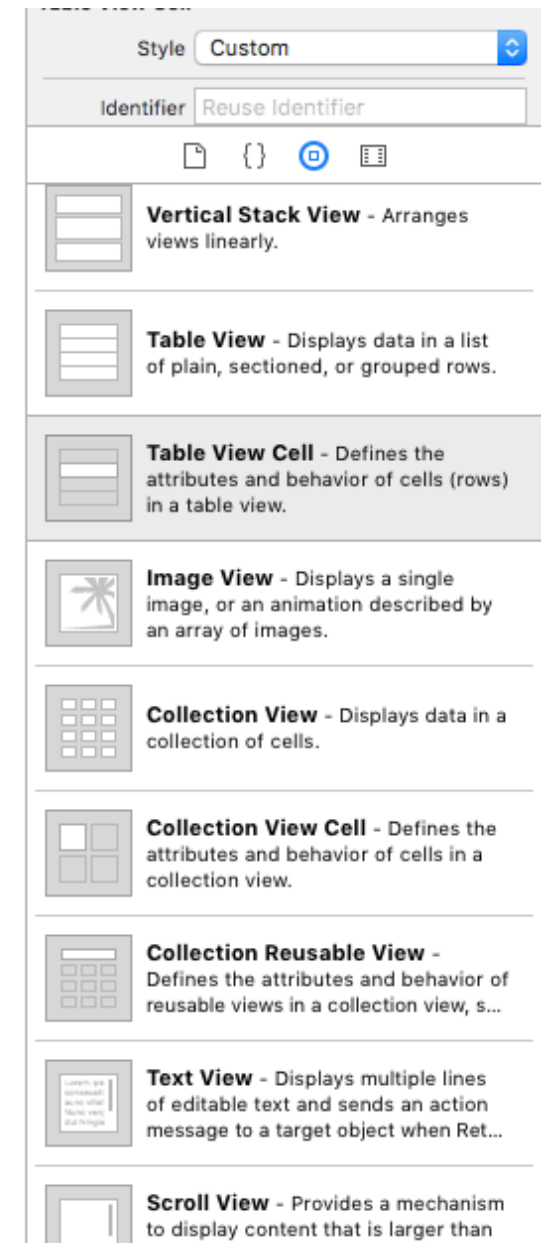
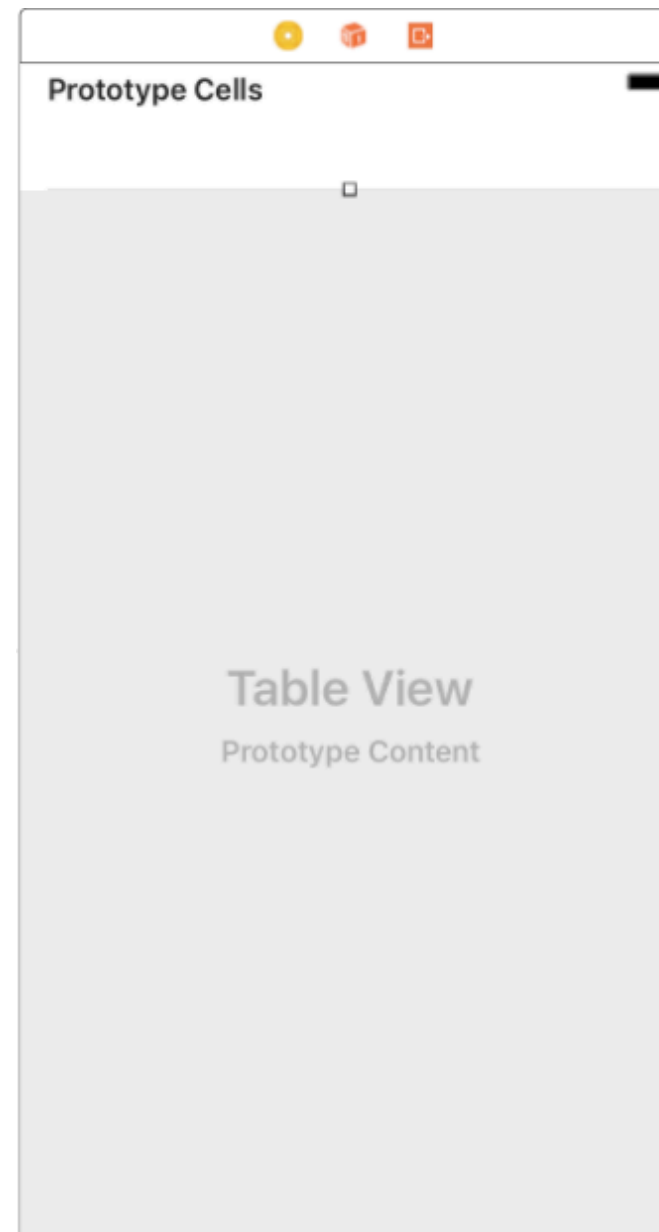
- [dequeueReusableCellWithIdentifier:](#)

Returns a reusable table-view cell object located by its identifier.

# UITableViewCell

## Storyboard

- TableView 를 뷰에 올린 후  
오토레이아웃 적용
- UITableViewCell 을 TableView 에 추가



# UITableViewCell Identifier

각 Cell 을 구분해서 재사용하기 위한 식별자

**Table View Cell**

Style

Identifier

Selection

Accessory

Editing Acc.

Focus Style

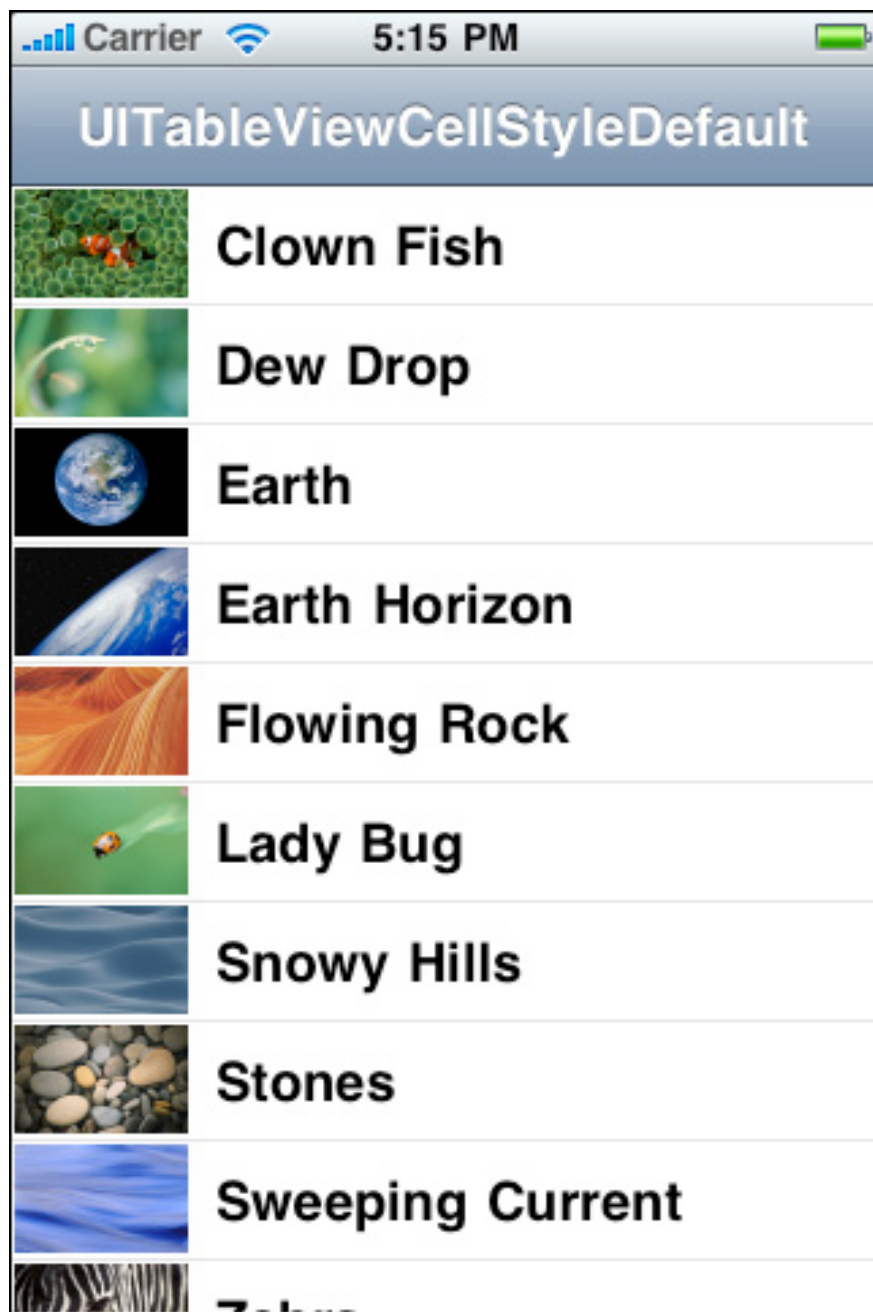
Indentation    
Level Width

☒ Indent While Editing

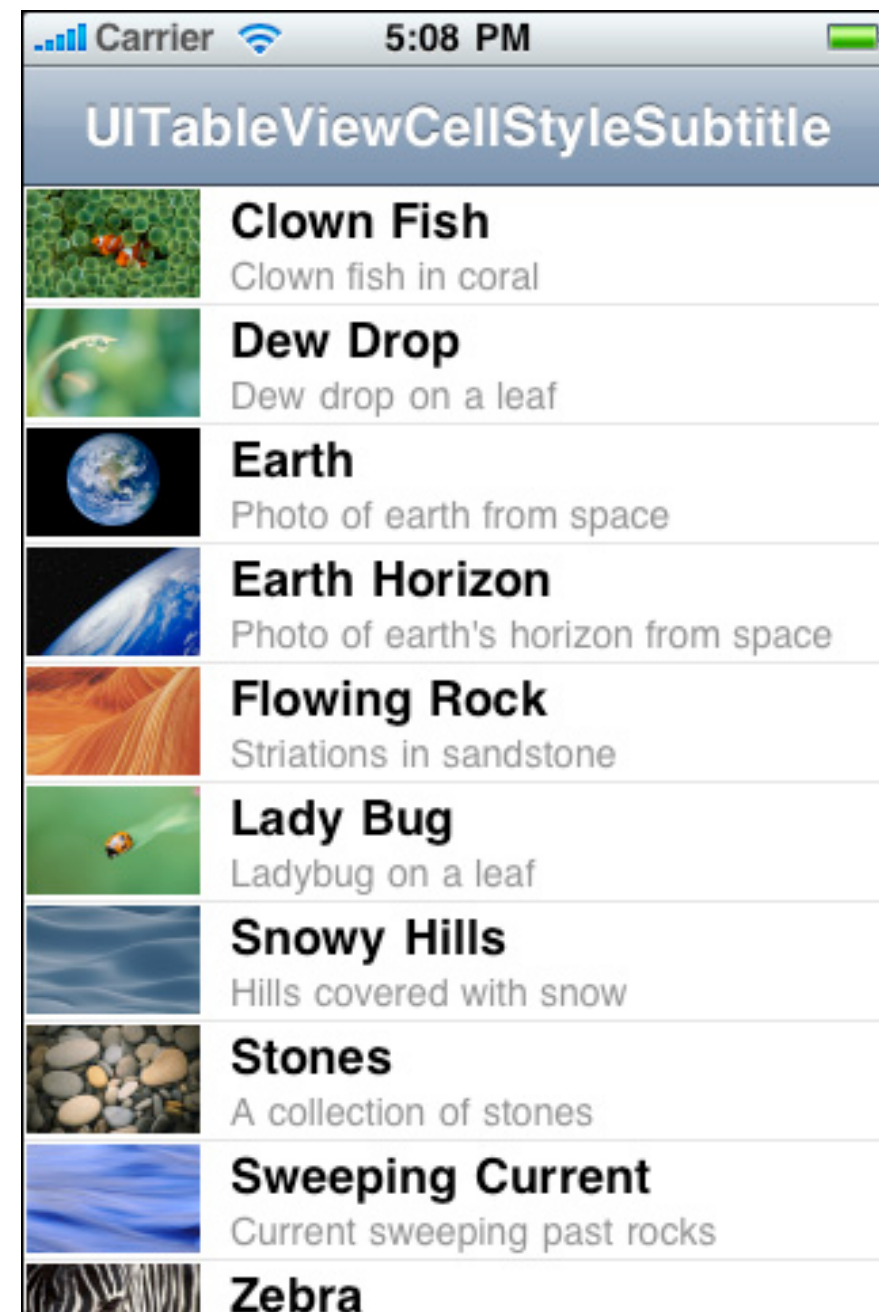
☐ Shows Re-order Controls

Separator

# UITableViewCell Style

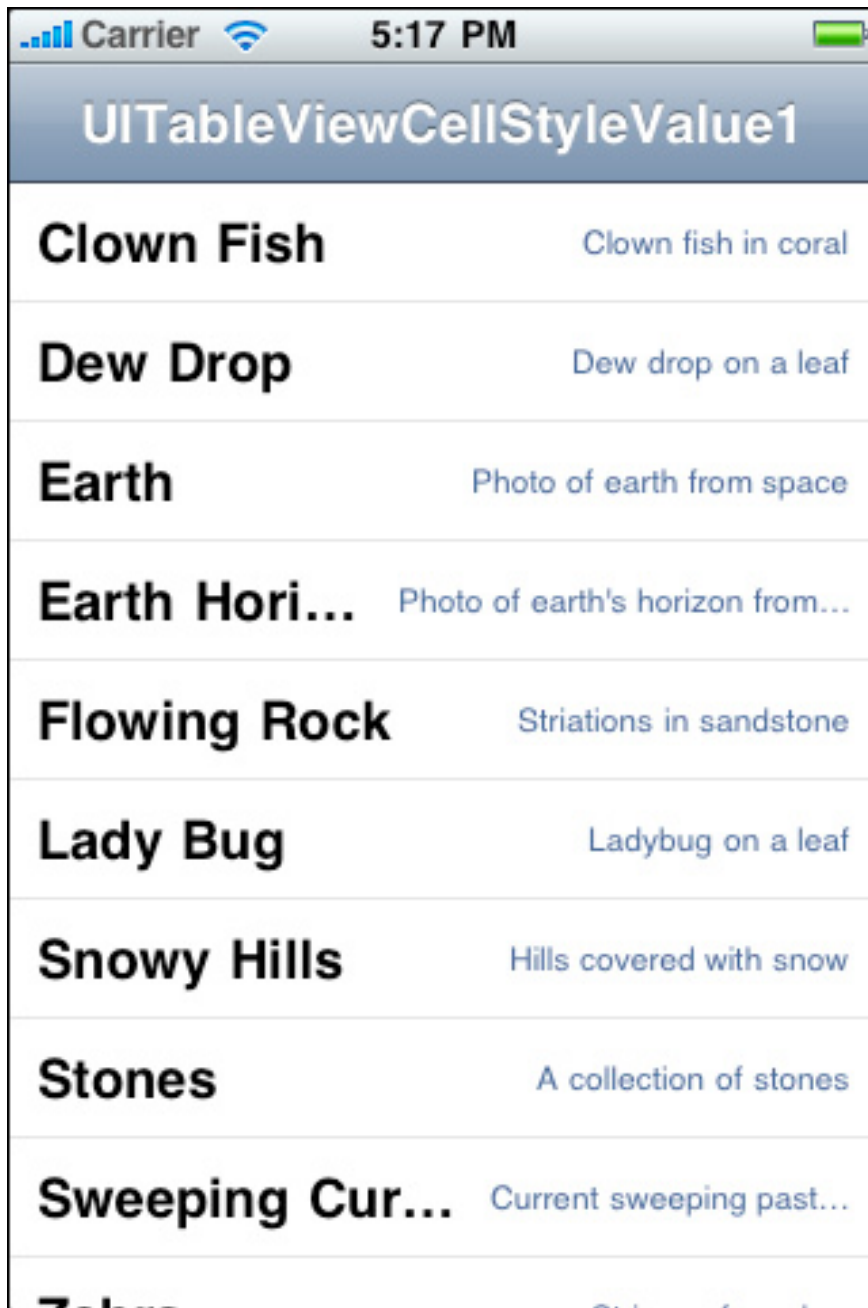


default



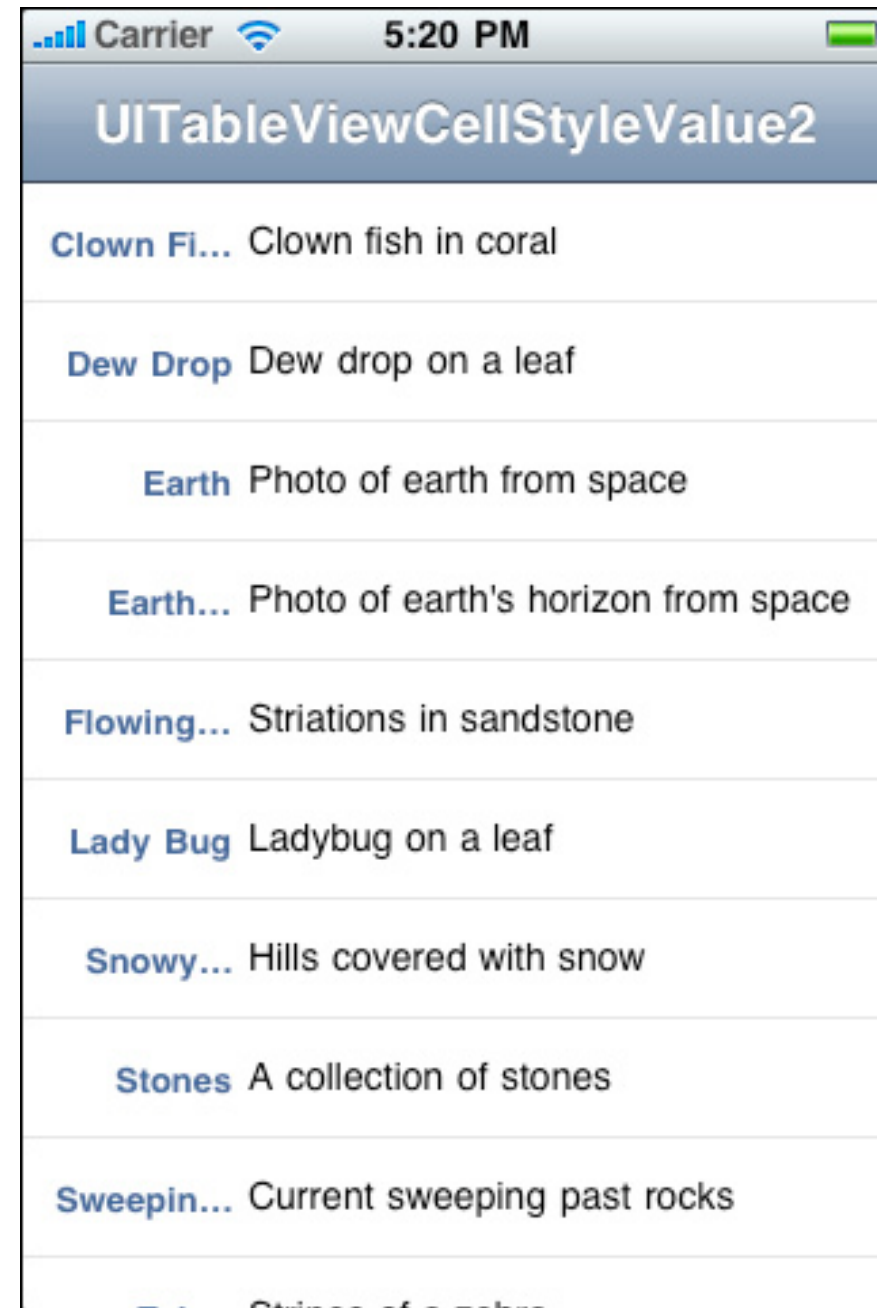
subtitle

# UITableViewCell Style



UITableViewCellStyleValue1	
Clown Fish	Clown fish in coral
Dew Drop	Dew drop on a leaf
Earth	Photo of earth from space
Earth Hori...	Photo of earth's horizon from...
Flowing Rock	Striations in sandstone
Lady Bug	Ladybug on a leaf
Snowy Hills	Hills covered with snow
Stones	A collection of stones
Sweeping Cur...	Current sweeping past...
Zebra	Stripes of a zebra

value 1

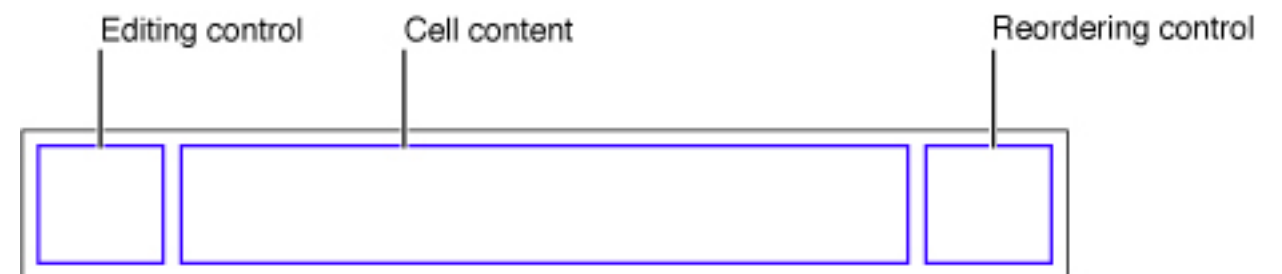
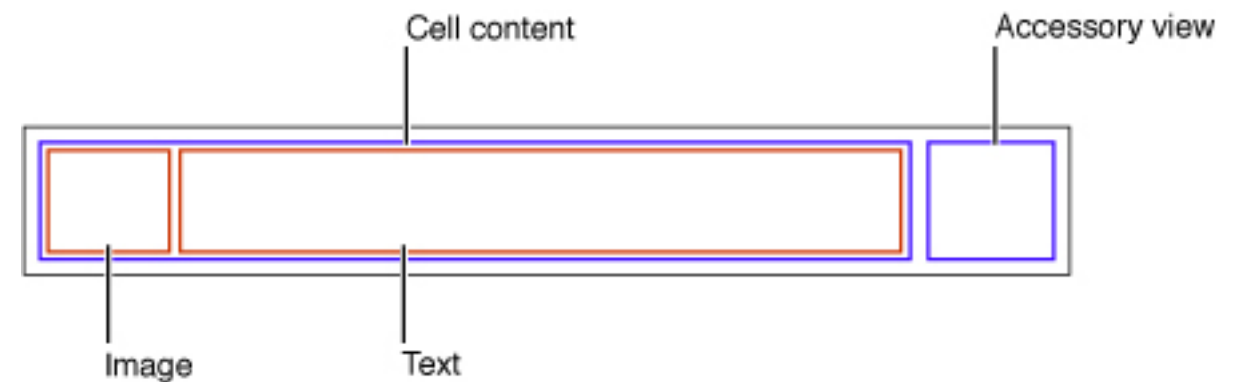
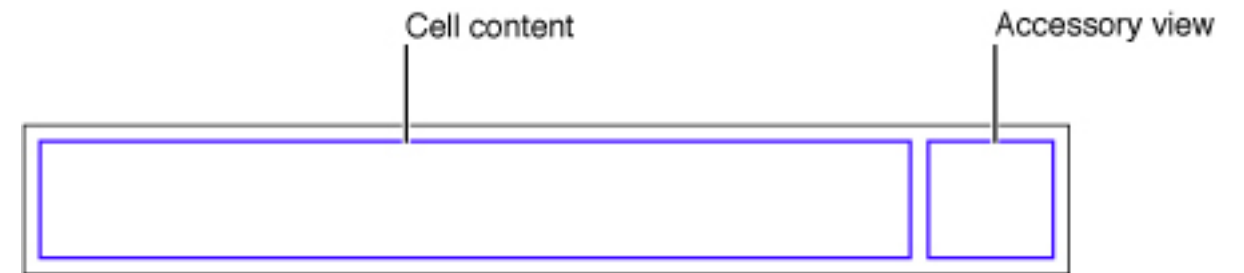


UITableViewCellStyleValue2	
Clown Fi...	Clown fish in coral
Dew Drop	Dew drop on a leaf
Earth	Photo of earth from space
Earth...	Photo of earth's horizon from space
Flowing...	Striations in sandstone
Lady Bug	Ladybug on a leaf
Snowy...	Hills covered with snow
Stones	A collection of stones
Sweepin...	Current sweeping past rocks
Zebra	Stripes of a zebra

value 2




# UITableViewCell

- contentView
- .textLabel
- detailTextLabel
- imageView
- accessoryView





# UITableViewCell

	Bear	✓
	Black Swan	✓
	Buffalo	✓