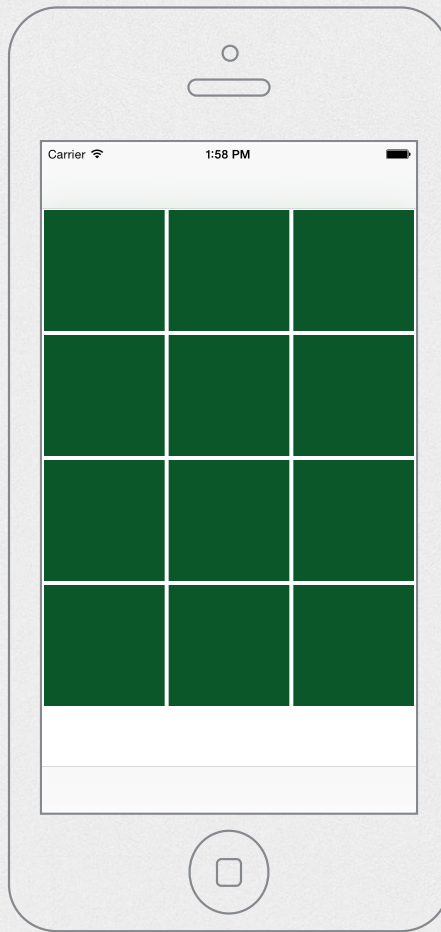
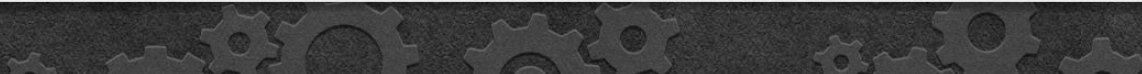


# Collection Views

Getting Started



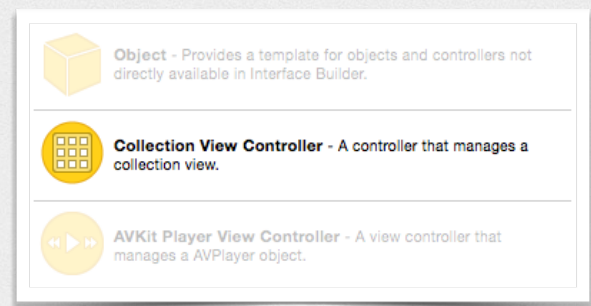
[raywenderlich.com](http://raywenderlich.com)



# UICollectionViewController

---

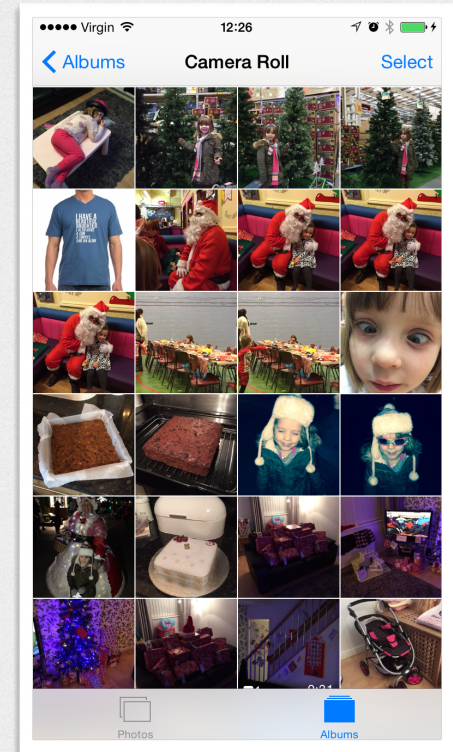
- ⚙ Pre-configured view controller
- ⚙ View is a Collection View
- ⚙ Direct access to the layout
- ⚙ Conforms to two protocols
  - ⚙ UICollectionViewDataSource
  - ⚙ UICollectionViewDelegate
- ⚙ Usage is optional





# UICollectionViewFlowLayout

- ⚙ Default Collection View Layout
- ⚙ Organizes items into a grid
- ⚙ Optional headers and footers
- ⚙ Cells can be different sizes
- ⚙ Single scrolling direction
- ⚙ Easily customized via subclassing
- ⚙ Optimized for efficiency



# UICollectionViewDataSource

---

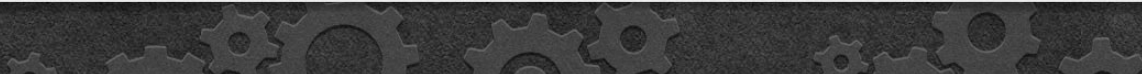
- ⚙ Protocol
- ⚙ Vends information to the collection view as required
- ⚙ Handles creation and configuration of cells
- ⚙ Two required methods:

```
func collectionView(_:numberOfItemsInSection:) -> Int
```

```
func collectionView(_:cellForItemAtIndexPath:) -> UICollectionViewCell
```

# Demo

---





# Challenge Time!

---

**CHALLENGE ACCEPTED**

