

iOS

**CUSTOM
COLLECTION
VIEW LAYOUTS**

SWIFT MEETUP - 25 MARCH 2017 - F22 LABS

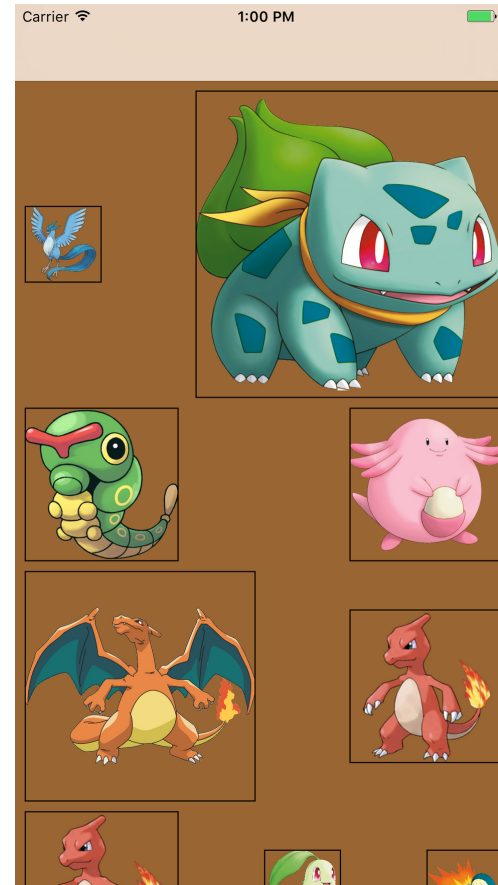


LET'S GET STARTED

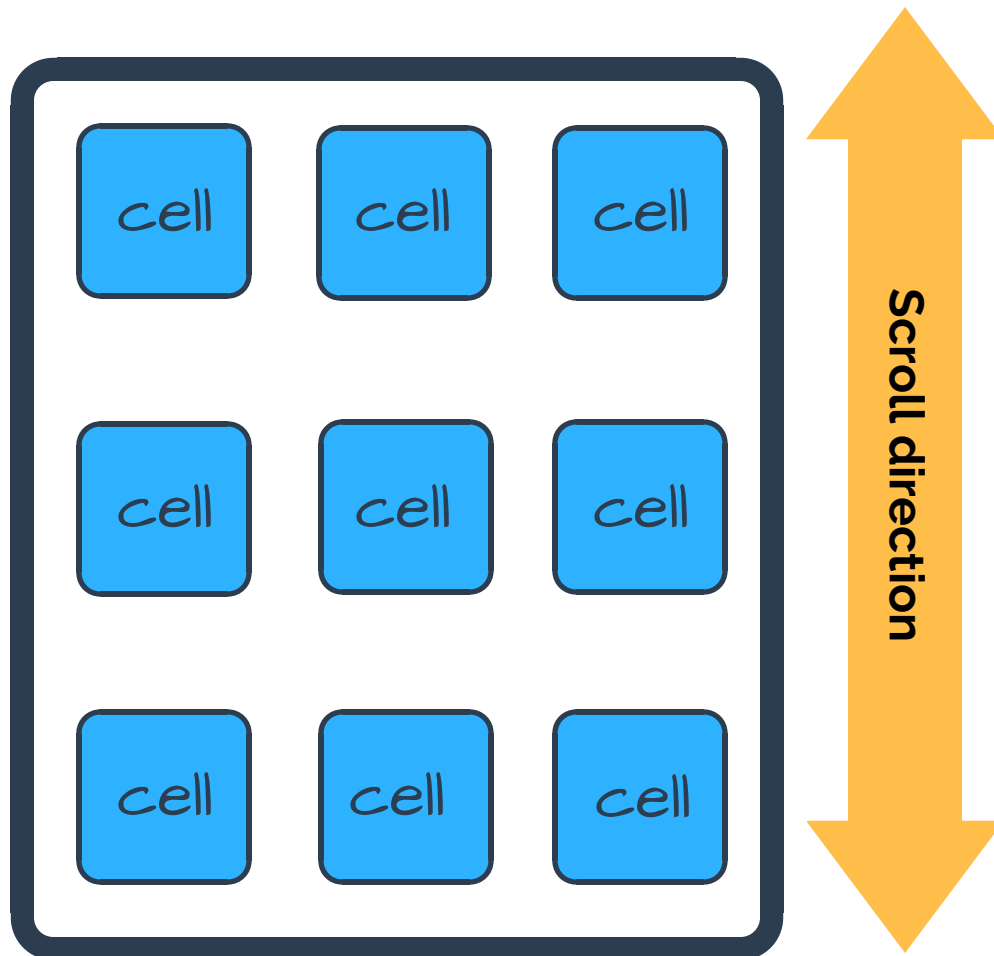
SPEAKER: CHANDRACHUDH.K, F22 LABS

DEMO APP 1

HERE'S WHAT
THE APP WILL
LOOK LIKE.



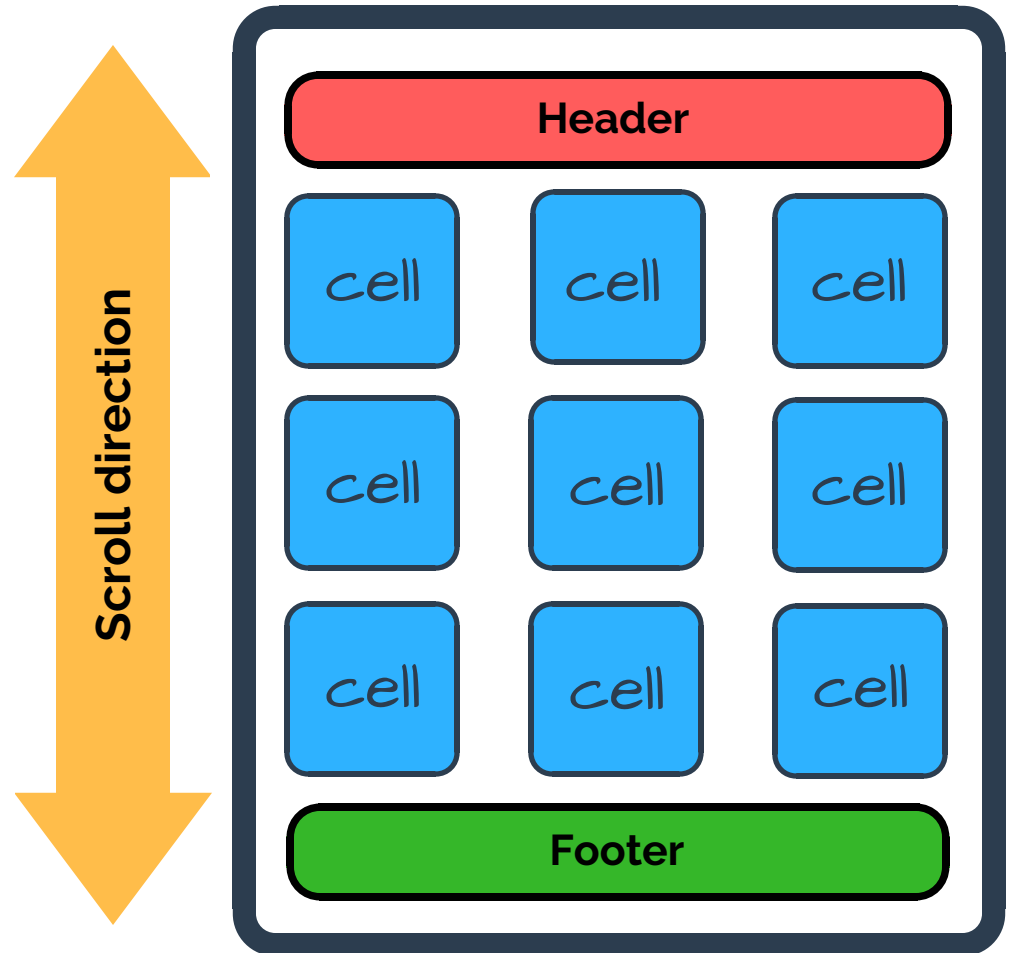
How UICollectionViewFlowLayout works



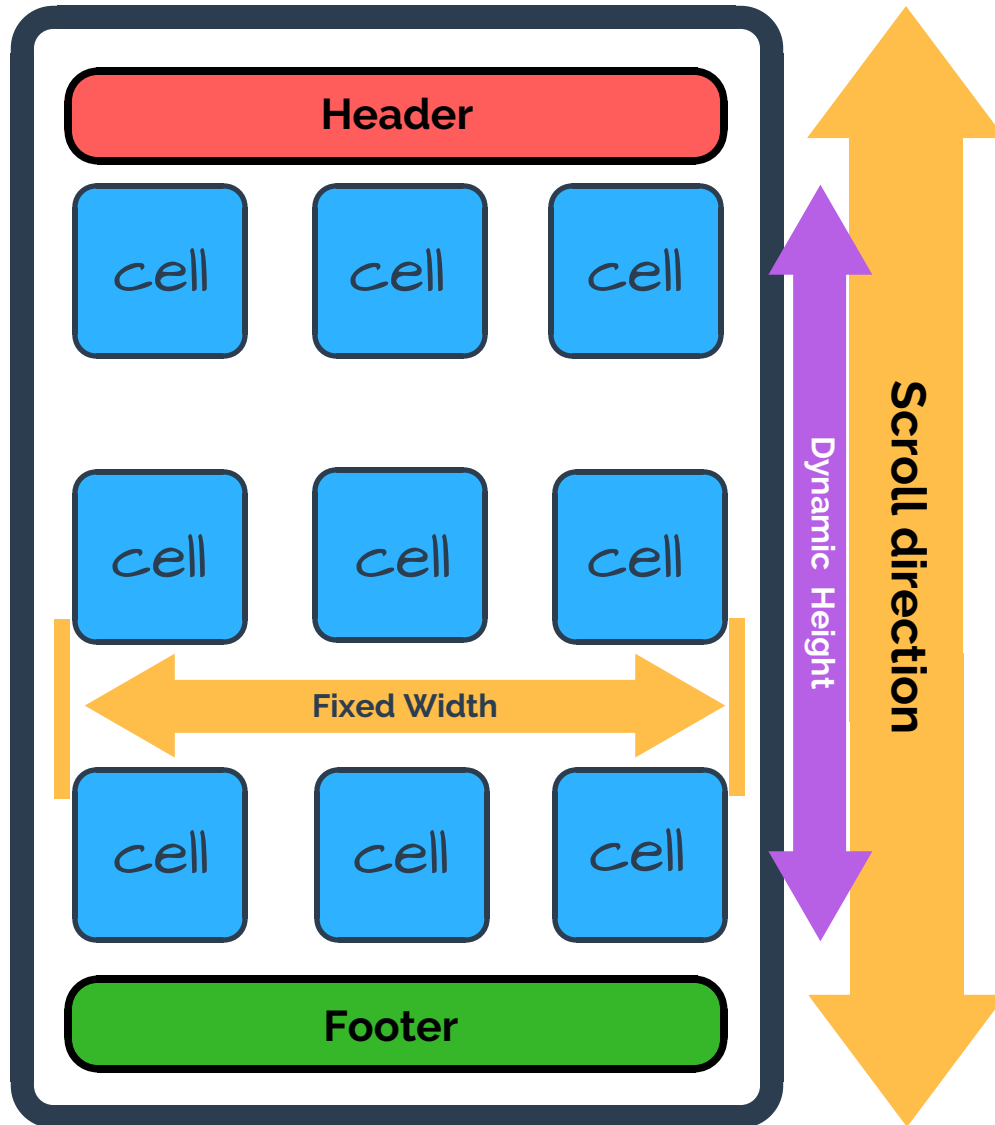
- Default layout object
- Grid pattern
- Vertical or horizontal scrolling

How UICollectionViewFlowLayout works

- Varying cell sizes
- Optional headers and footers

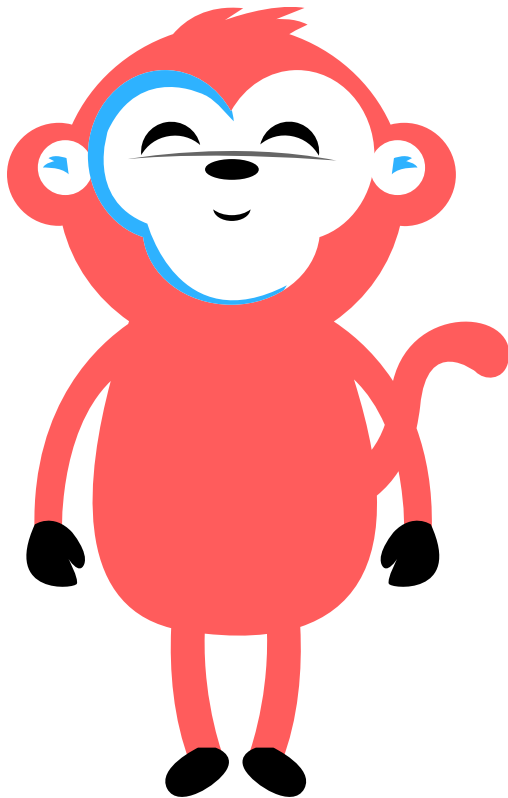


How UICollectionViewFlowLayout works



- Fixed distance + scrollable distance
- Dynamically configure flow layout using delegates

UICollectionViewDelegateFlowLayout



- Defines the size of the items and the spacing between items in the grid.
- All the methods in the protocol are optional

```
func collectionView(UICollectionView, layout: UICollectionViewLayout, sizeForItemAt: IndexPath) -> CGSize
```

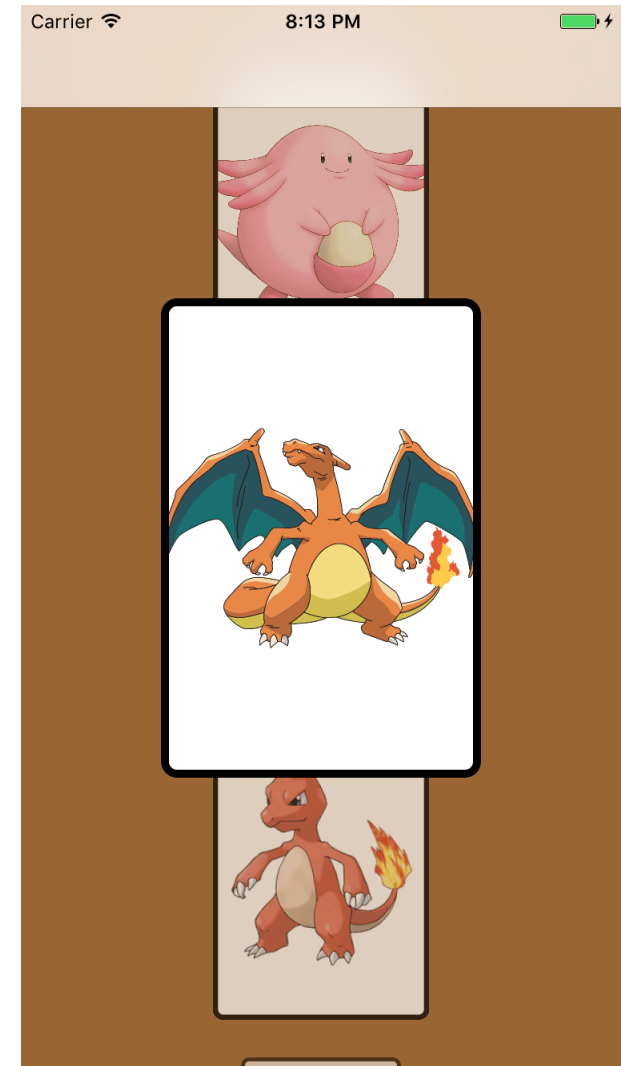
```
func collectionView(UICollectionView, layout: UICollectionViewLayout, insetForSectionAt: Int) -> UIEdgeInsets
```

```
func collectionView(UICollectionView, layout: UICollectionViewLayout, minimumLineSpacingForSectionAt: Int) -> CGFloat
```

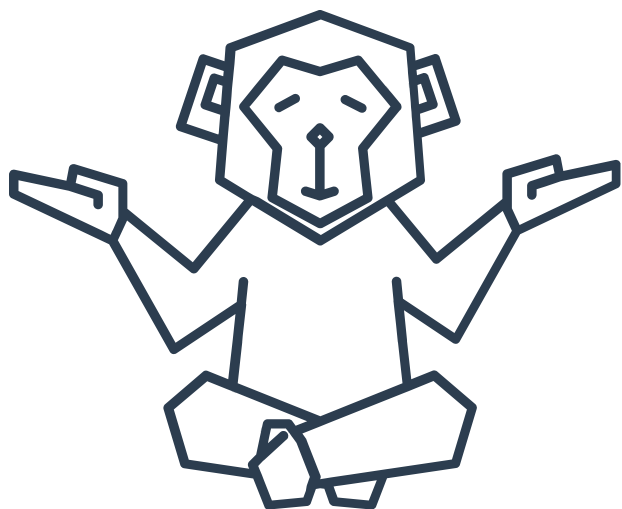
```
func collectionView(UICollectionView, layout: UICollectionViewLayout, minimumInteritemSpacingForSectionAt: Int) -> CGFloat
```

DEMO APP 2

**HERE'S WHAT
THE APP WILL
LOOK LIKE.**



**THAT'S ALL
FOLKS!**





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Source code available @

<https://github.com/chandraf22/CustomCollectionViewLayout.git>