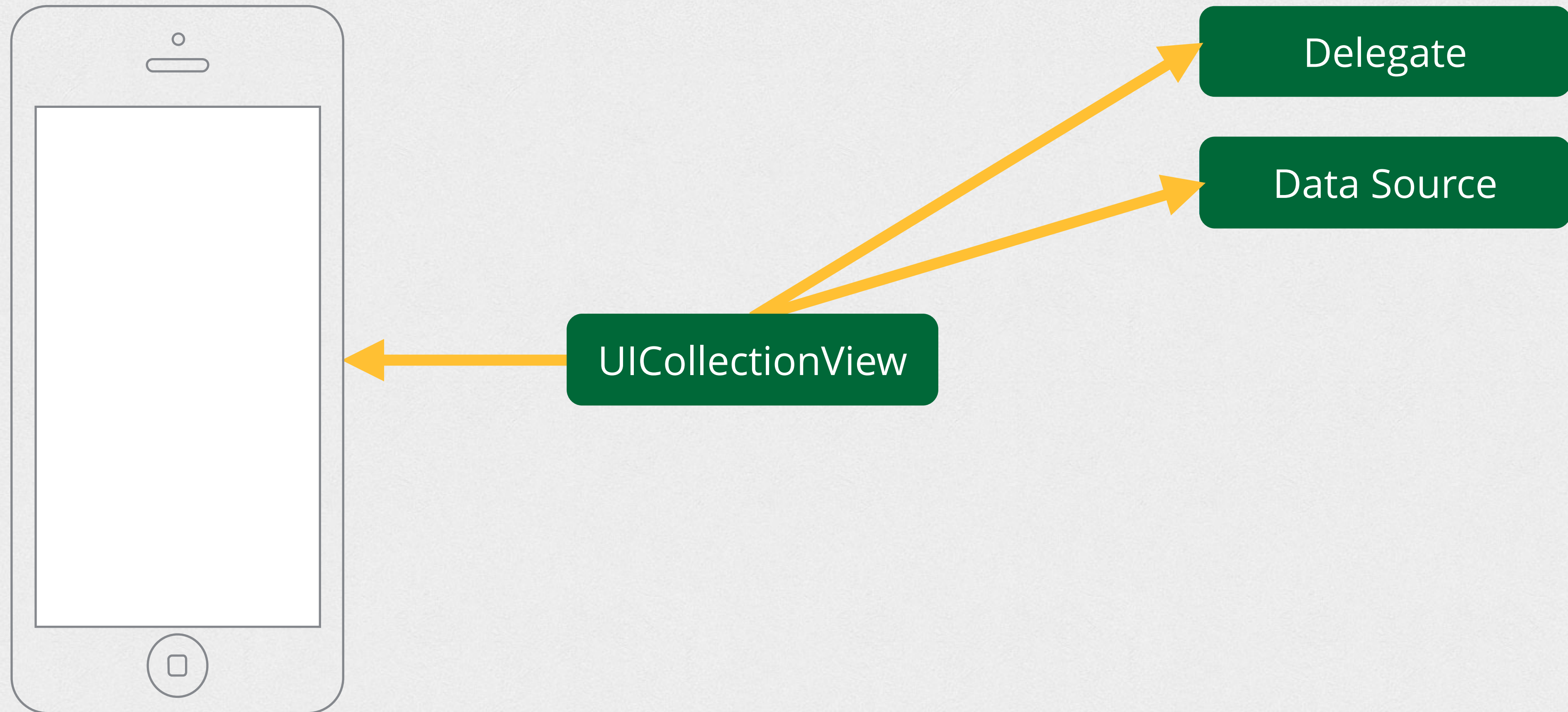


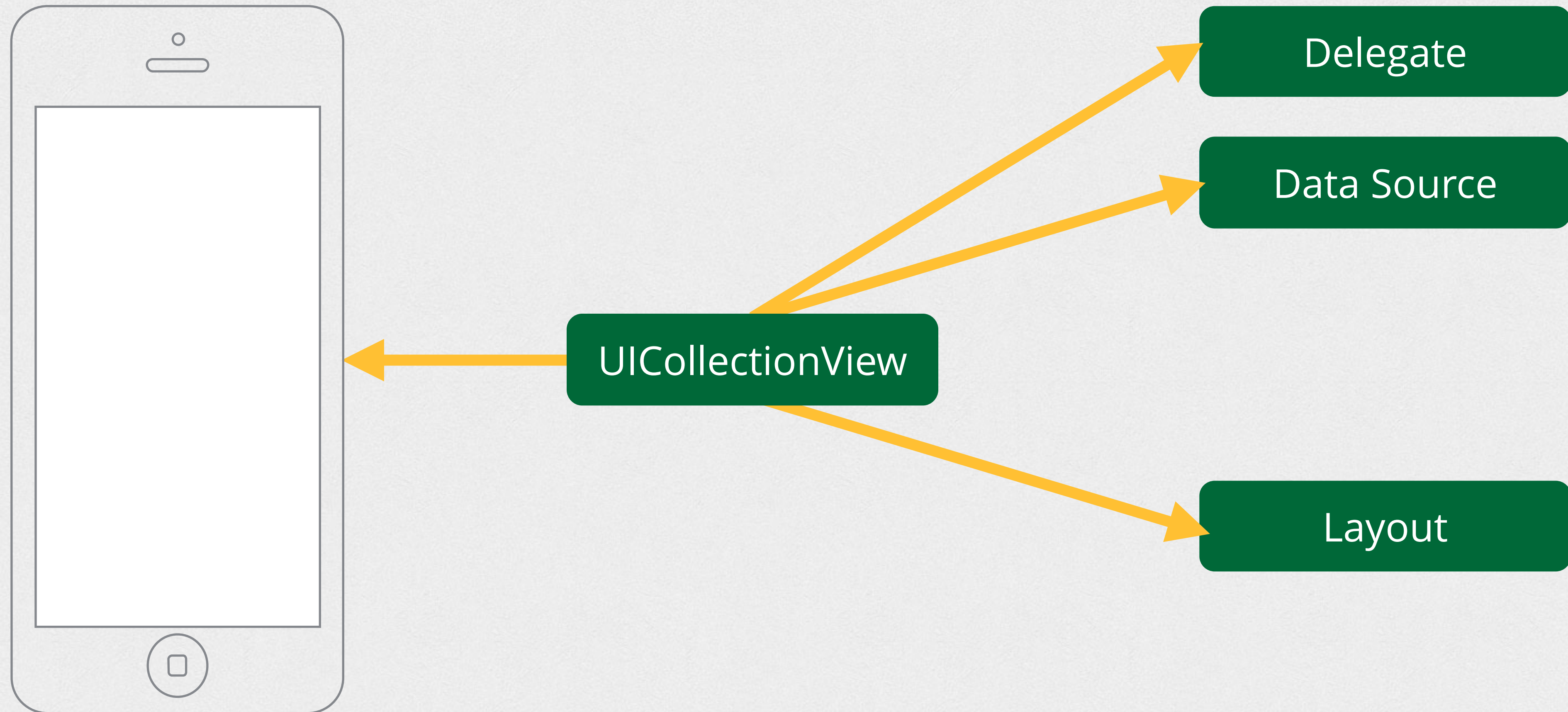
308: Collection View Custom Layouts

Part 1: Overview

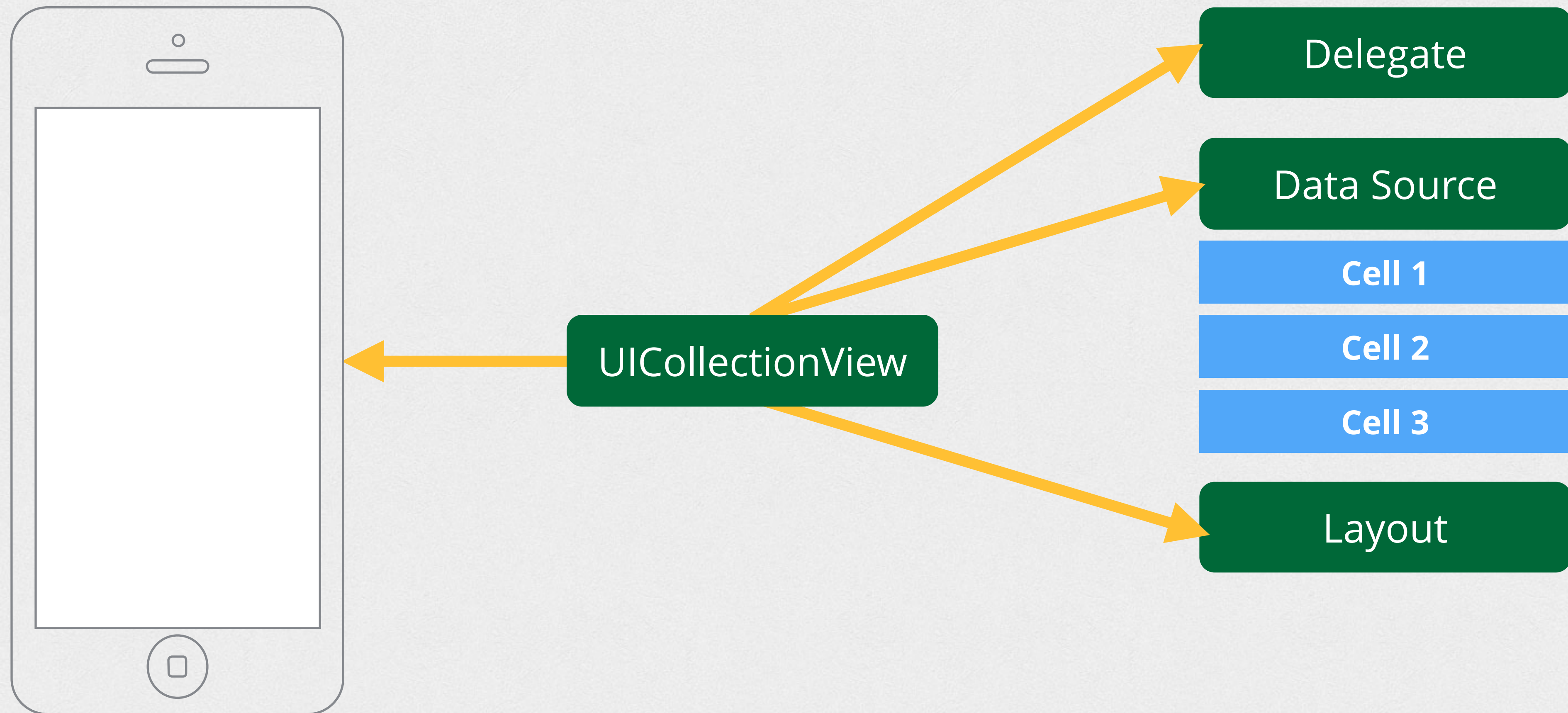
Architecture



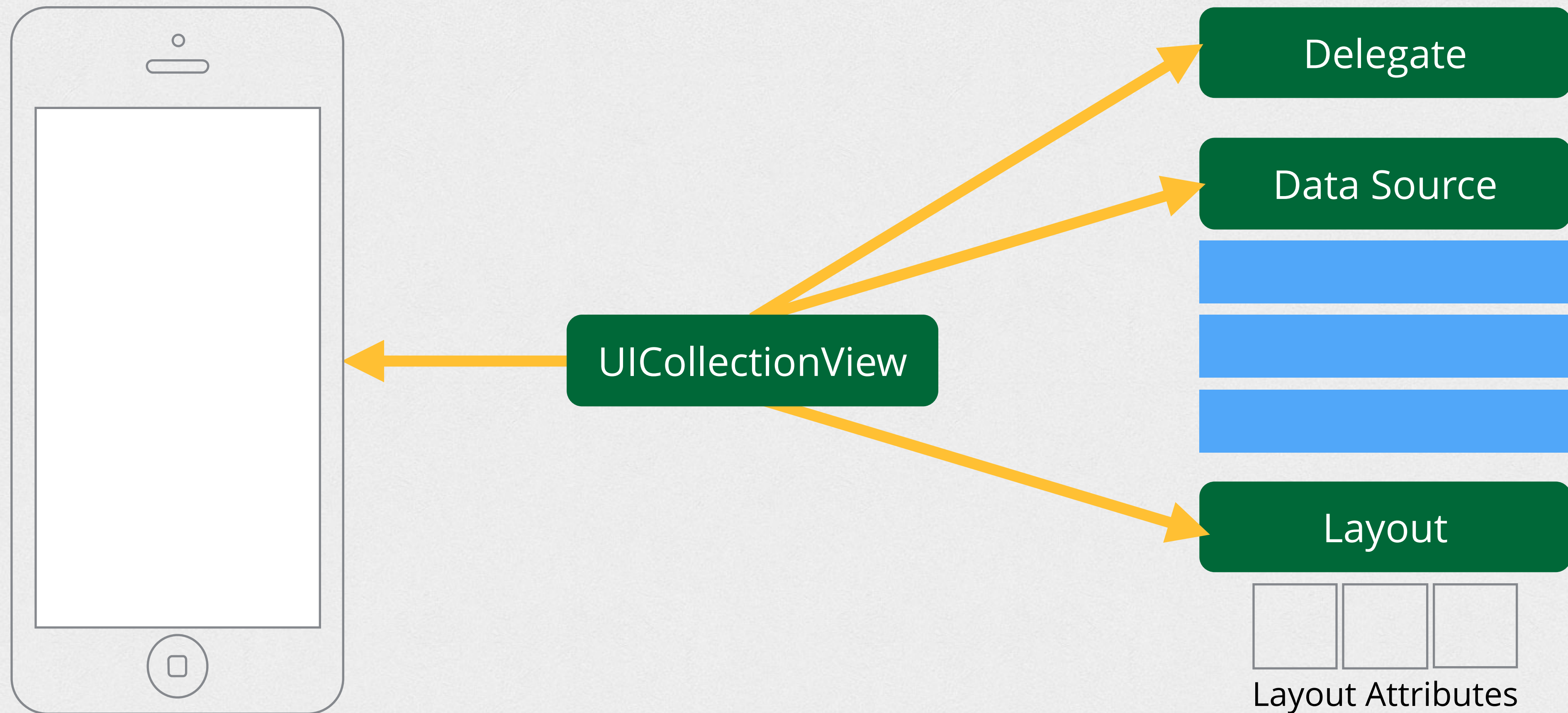
Architecture



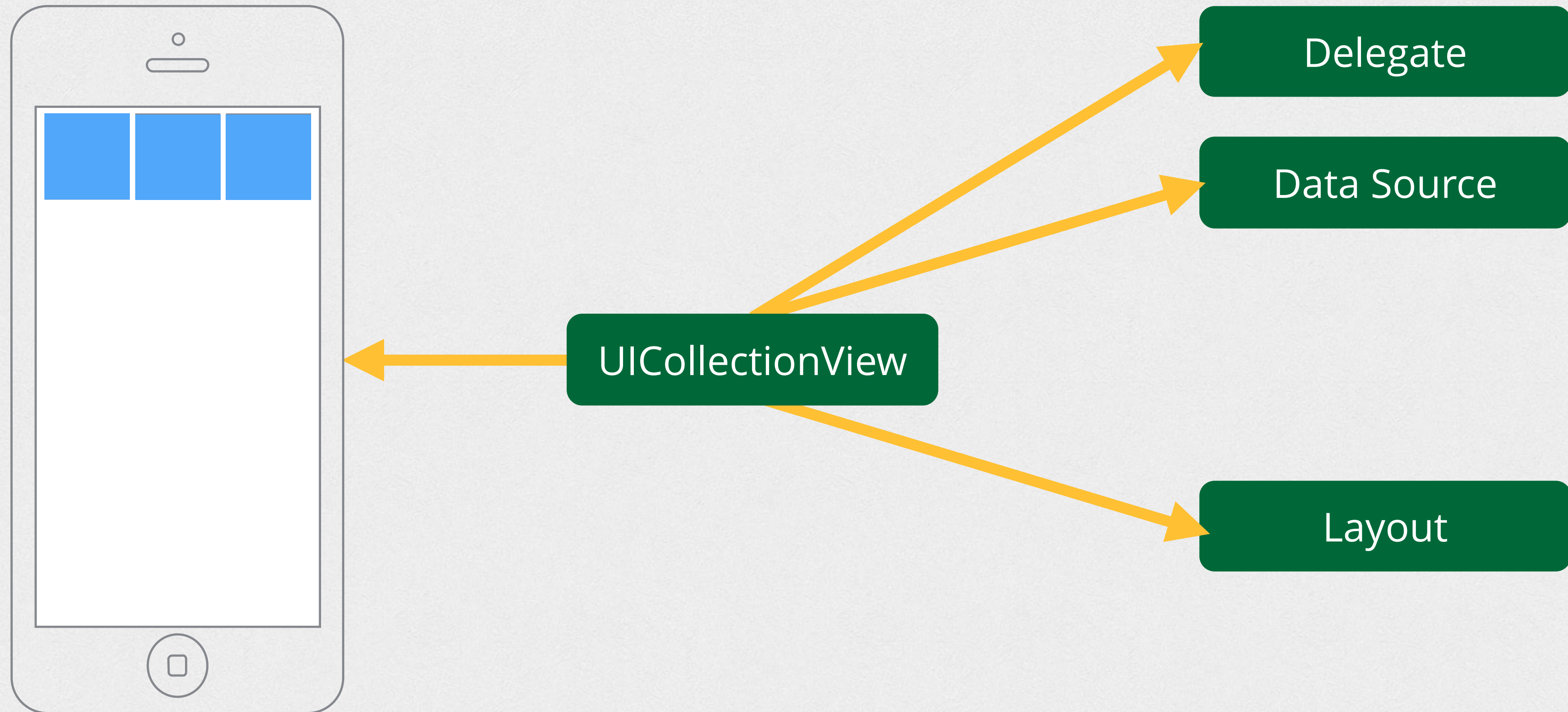
Architecture



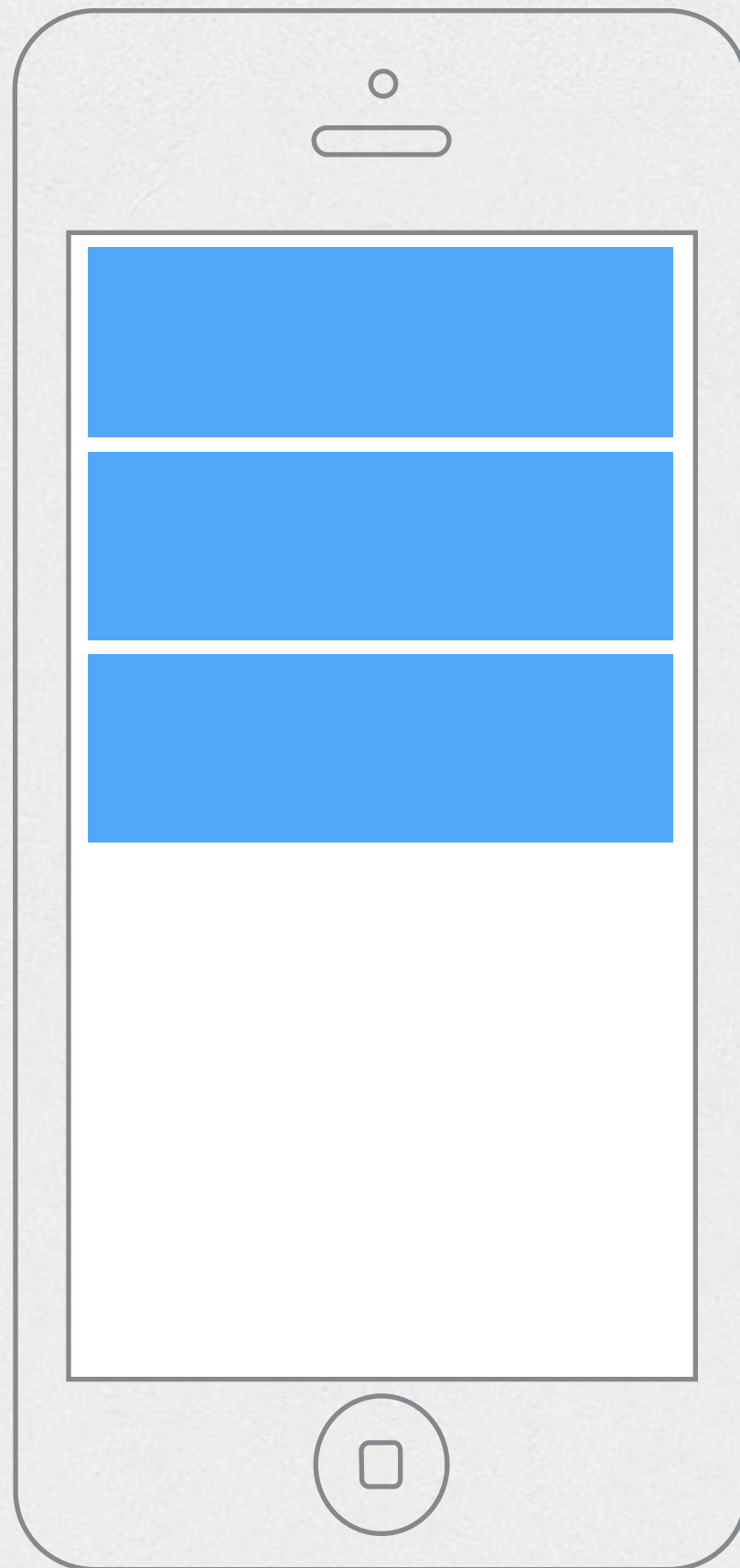
Architecture



Architecture

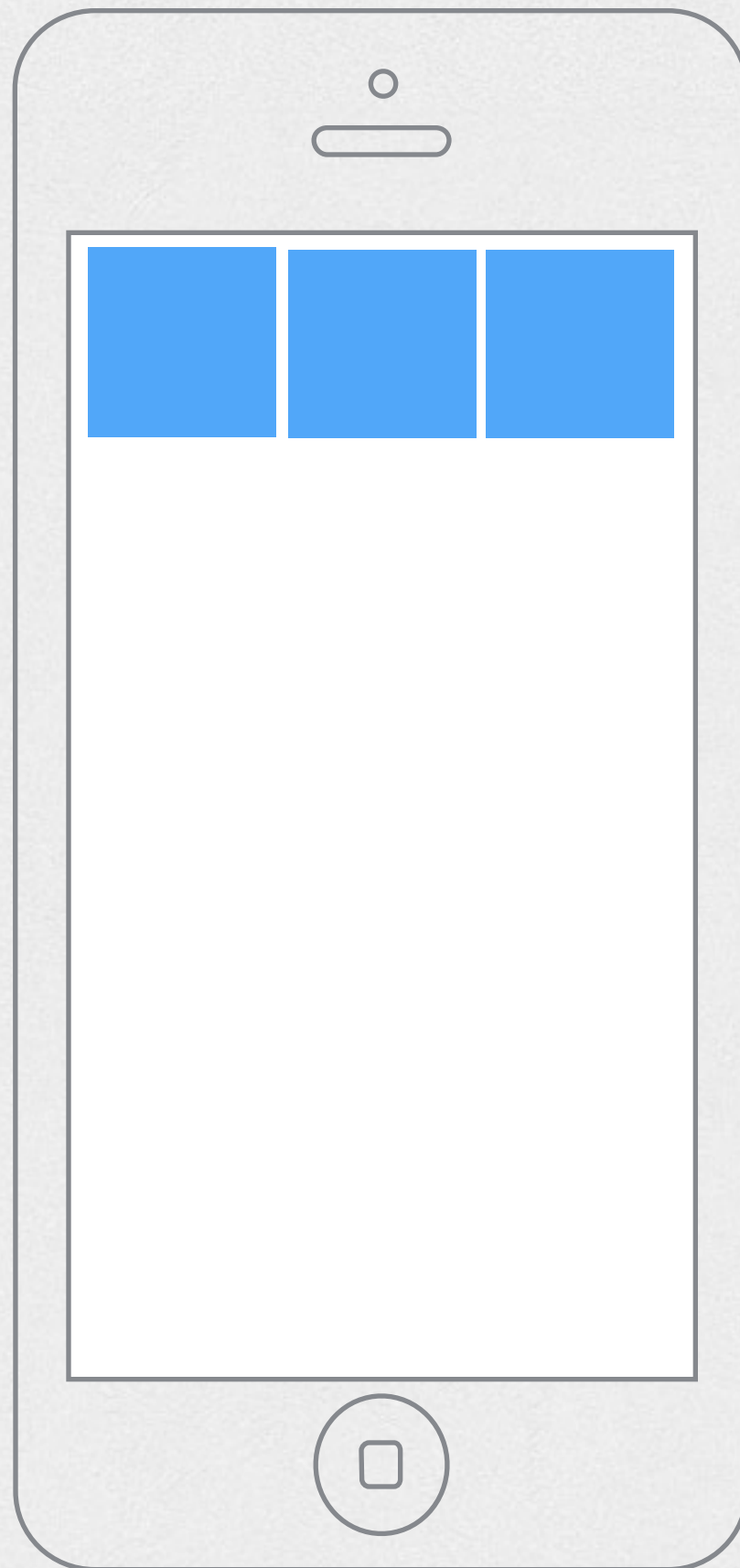


UICollectionViewFlowLayout



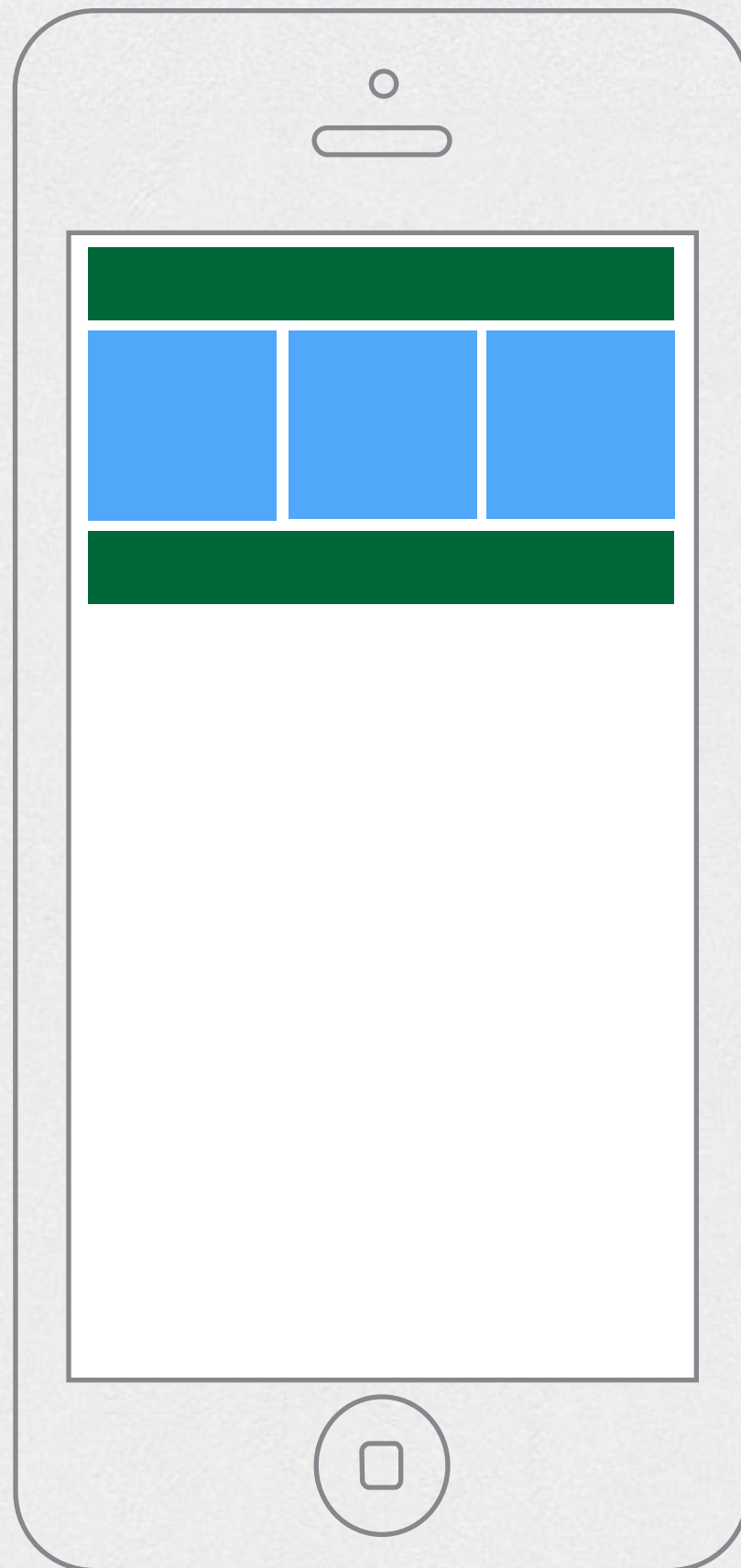
- ⚙ Default layout class
- ⚙ Organizes items into a grid
- ⚙ Optional header and footer views for each section
- ⚙ Cells can be different sizes
- ⚙ Optimized and efficient

UICollectionViewFlowLayout



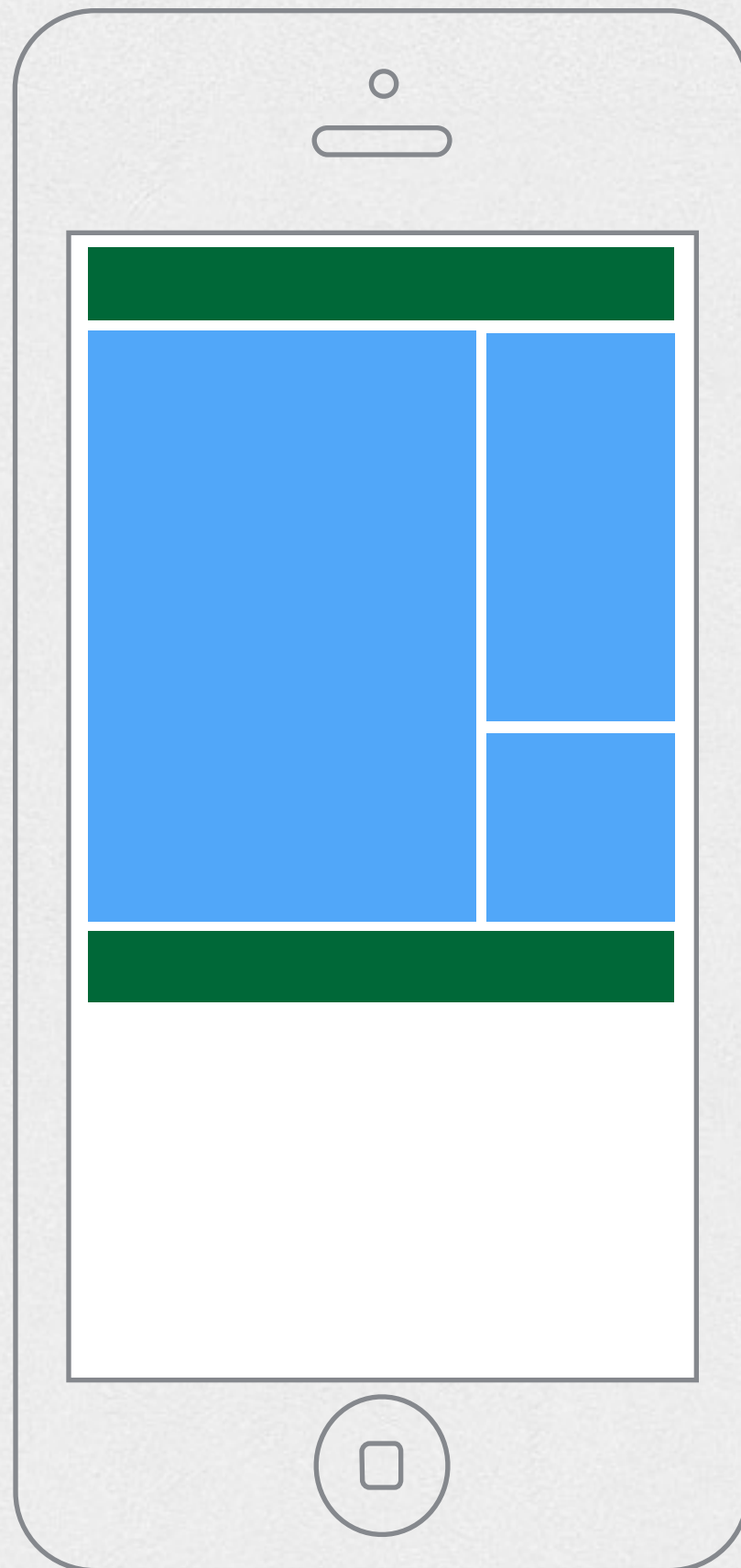
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UICollectionViewFlowLayout



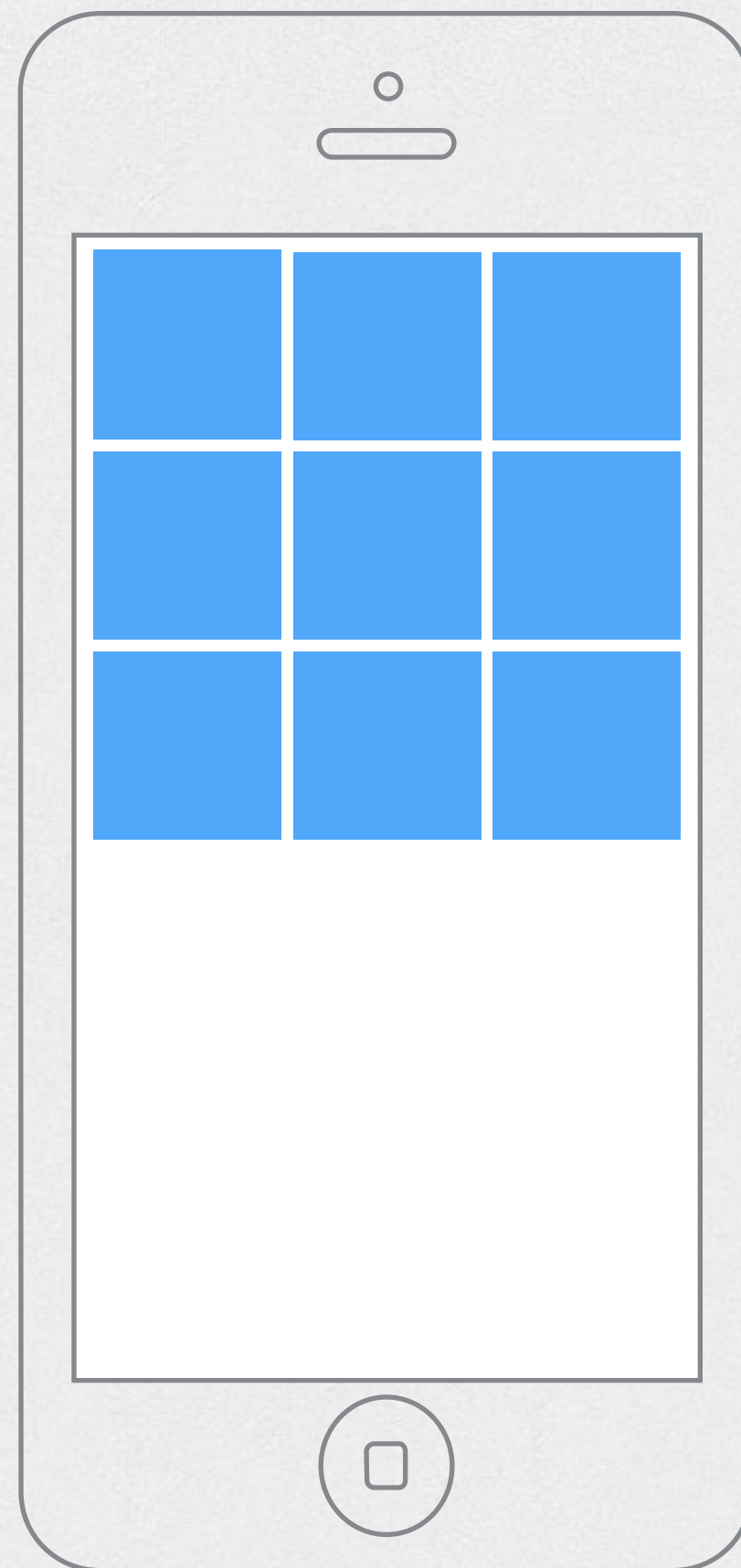
- ⚙ Default layout class
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UICollectionViewFlowLayout



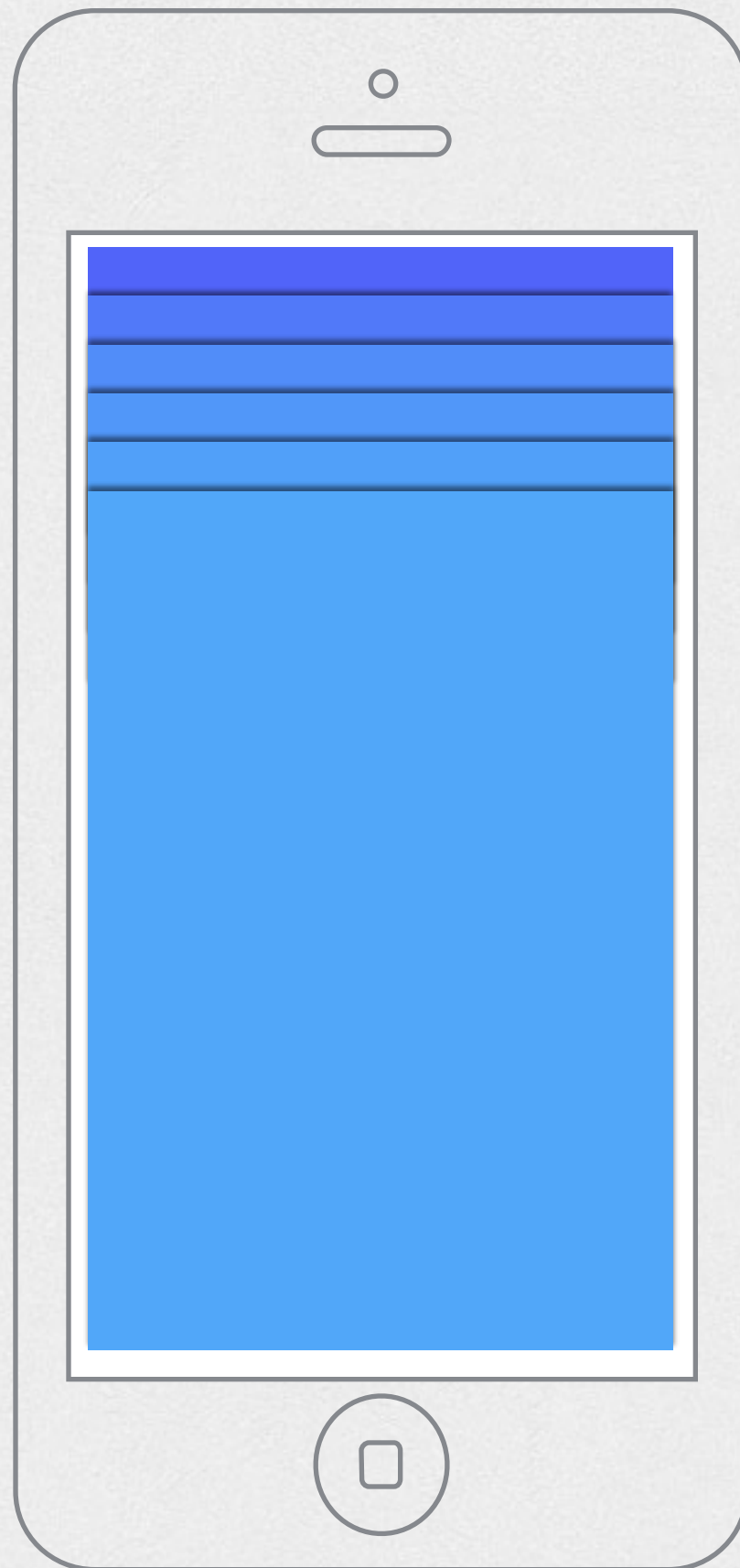
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- ⚙ Organizes items into a grid
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UICollectionViewLayout



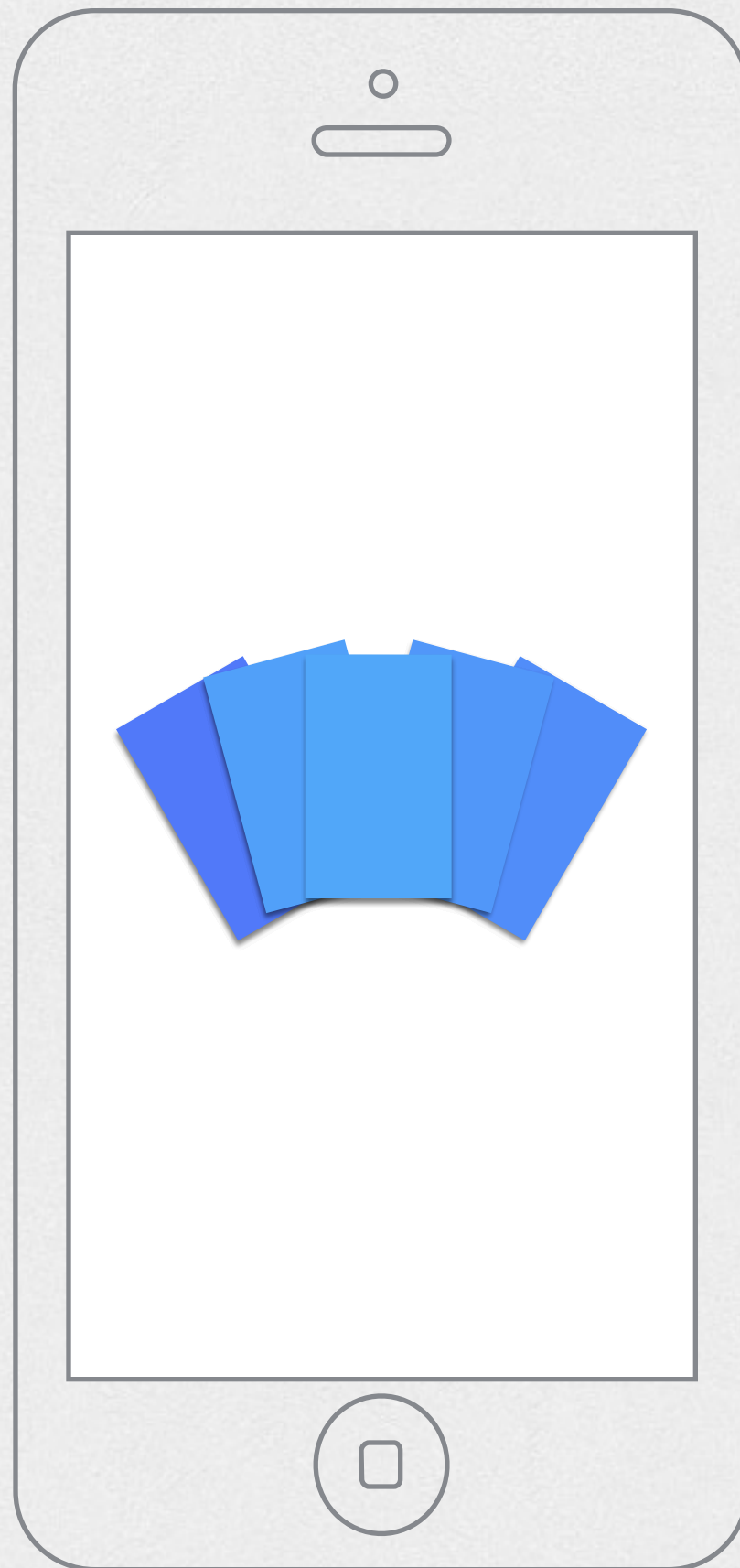
- ⚙️ *You* have total control
- ⚙️ Provide the position and visual state of the cells, supplementary views, and decoration views
- ⚙️ Only **THREE** methods to get up and running

UICollectionViewLayout



- ⚙️ *You* have total control
- ⚙️ Provide the position and visual state of the cells, supplementary views, and decoration views
- ⚙️ Only **THREE** methods to get up and running

UICollectionViewLayout



- ⚙️ *You* have total control
- ⚙️ Provide the position and visual state of the cells, supplementary views, and decoration views
- ⚙️ Only **THREE** methods to get up and running

Methods to Override

```
override fun collectionViewContentSize() -> CGSize
```

```
override fun prepareLayout()
```

```
override fun layoutAttributesForElementsInRect(rect: CGRect) -> [AnyObject]?
```


Tutorial Overview

- ⚙️ **Demo:** Basic Custom Layout
- ⚙️ **Lab:** Provide Some Context
- ⚙️ **Challenge:** Finishing Touches

