

# Customizing Collection View Cells

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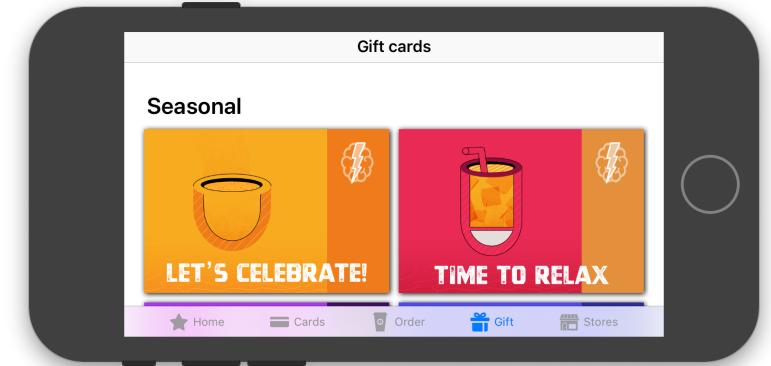
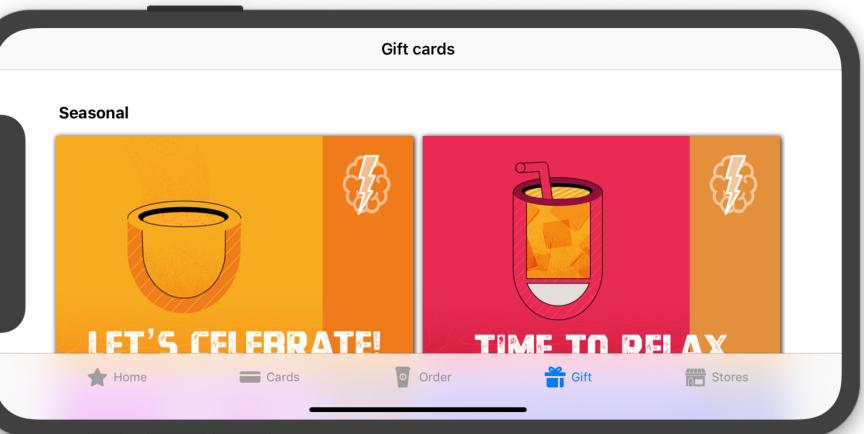
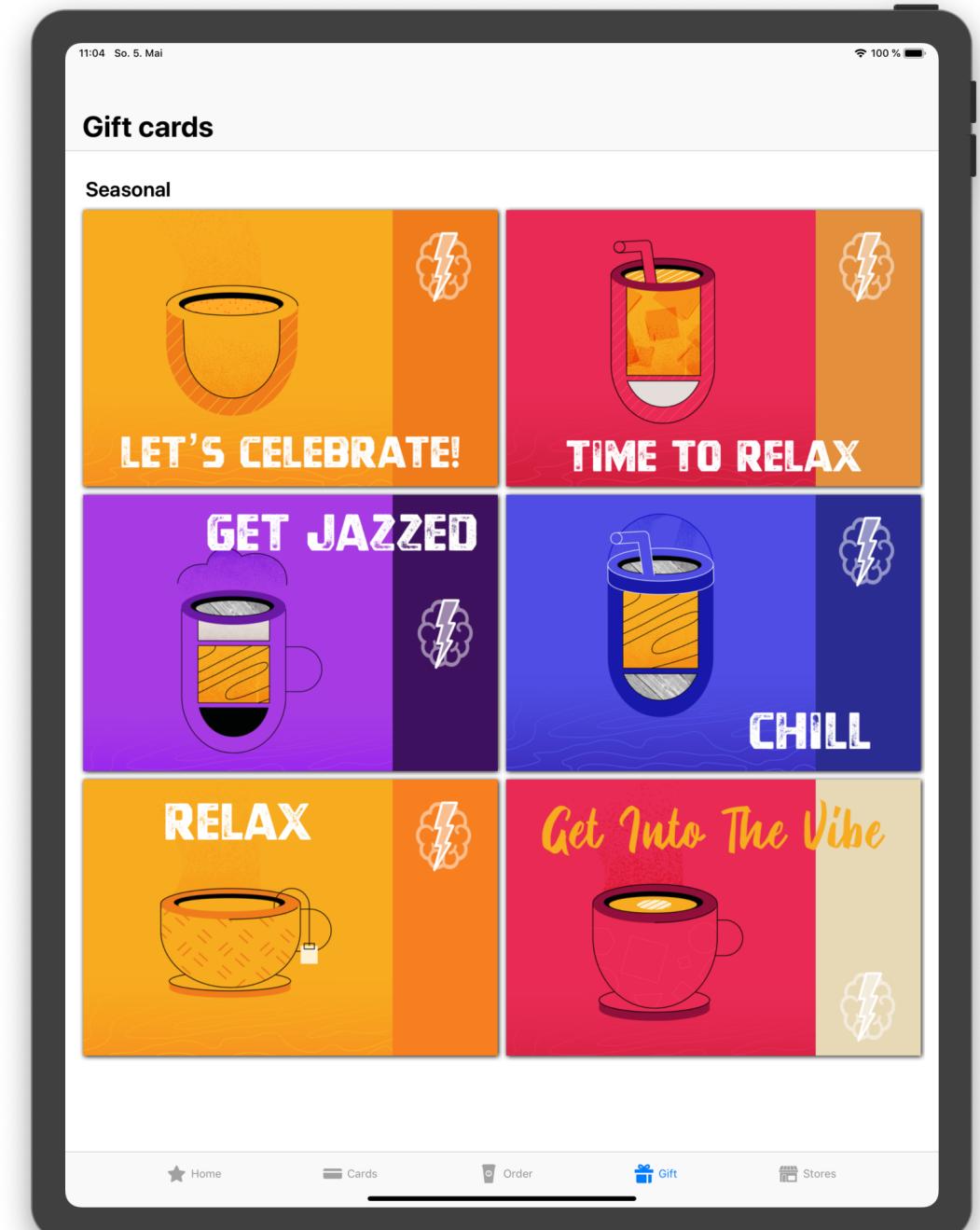
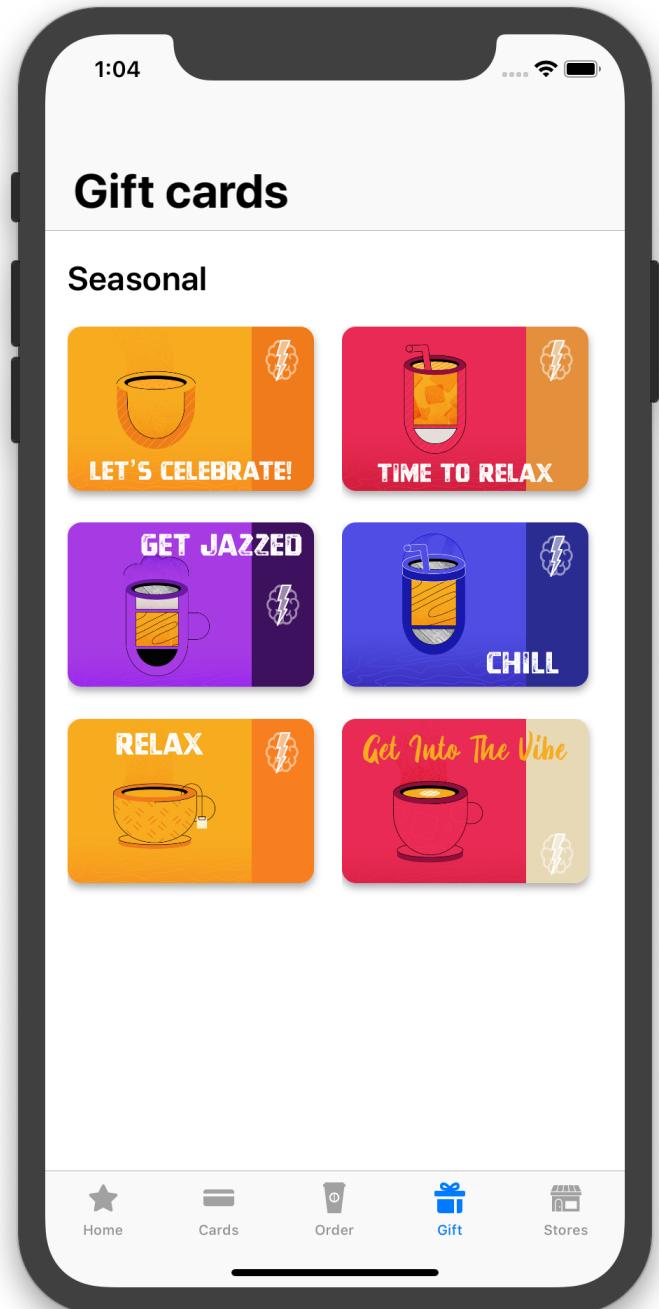
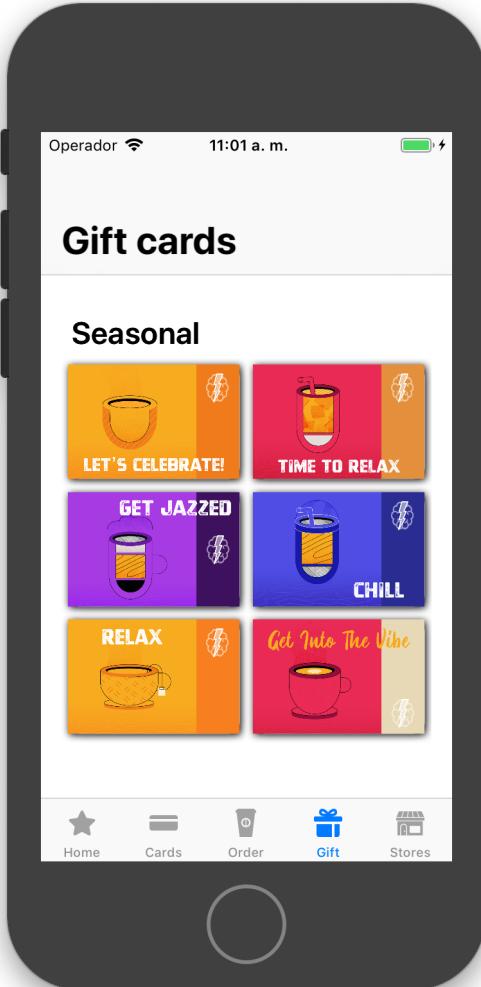
**Mark Moeykens**

IOS DEVELOPER AND AUTHOR

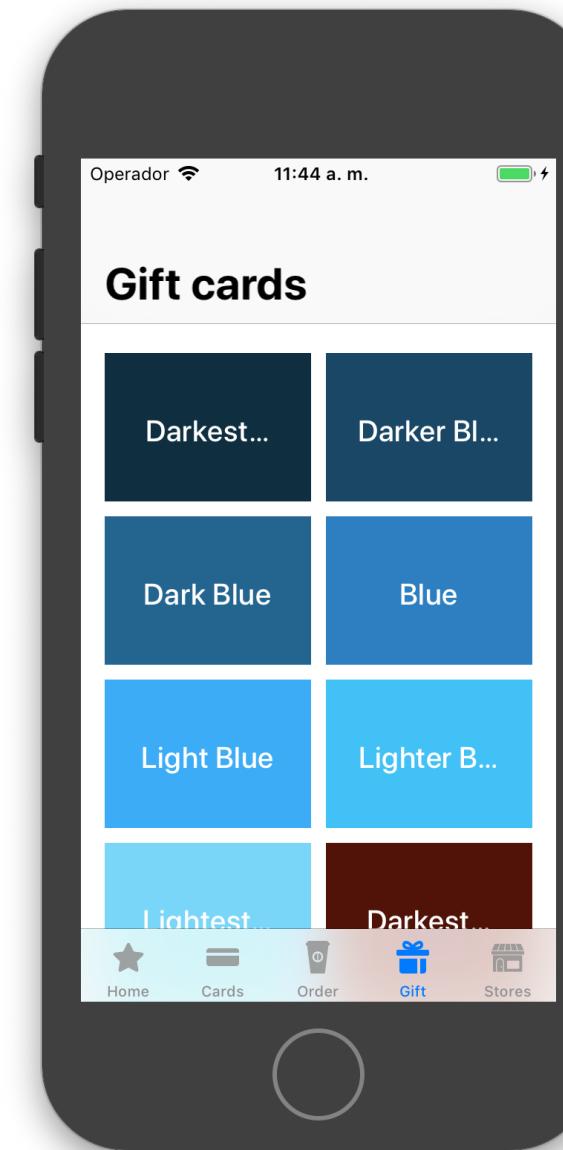
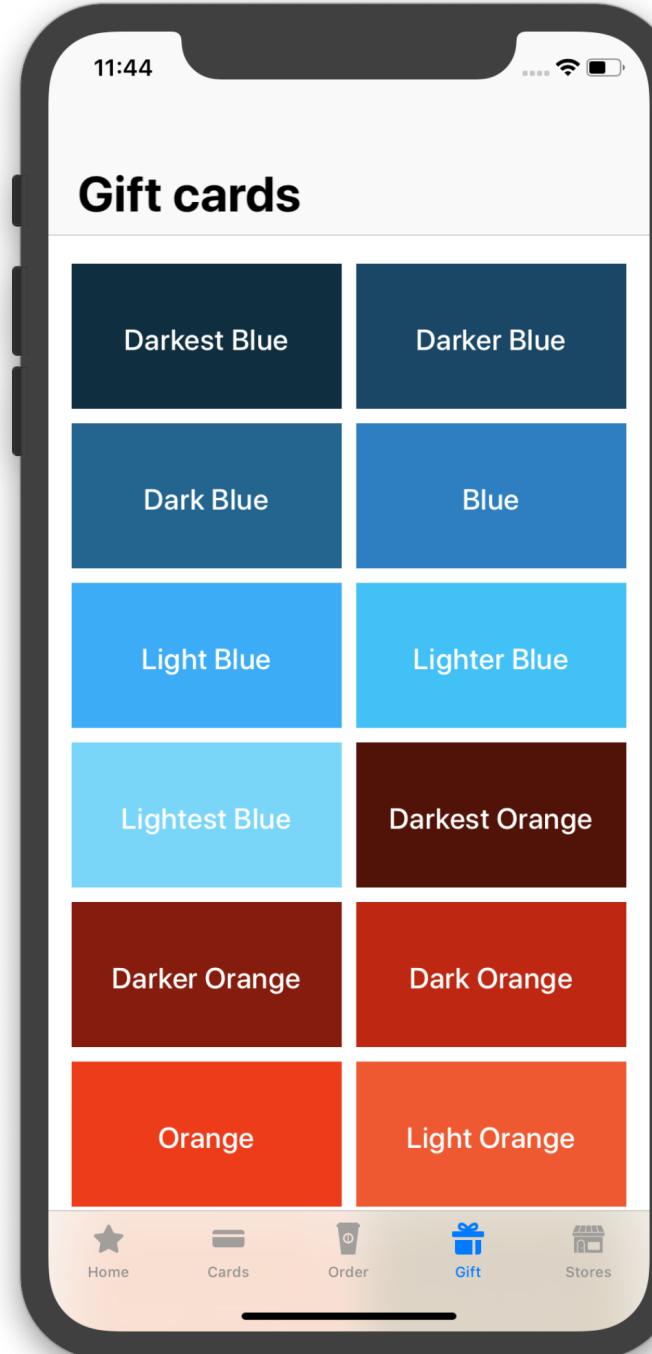
@bigmtnstudio youtube.com/markmoeykens

# Dynamically Changing Cell Size

Your cell size will change!

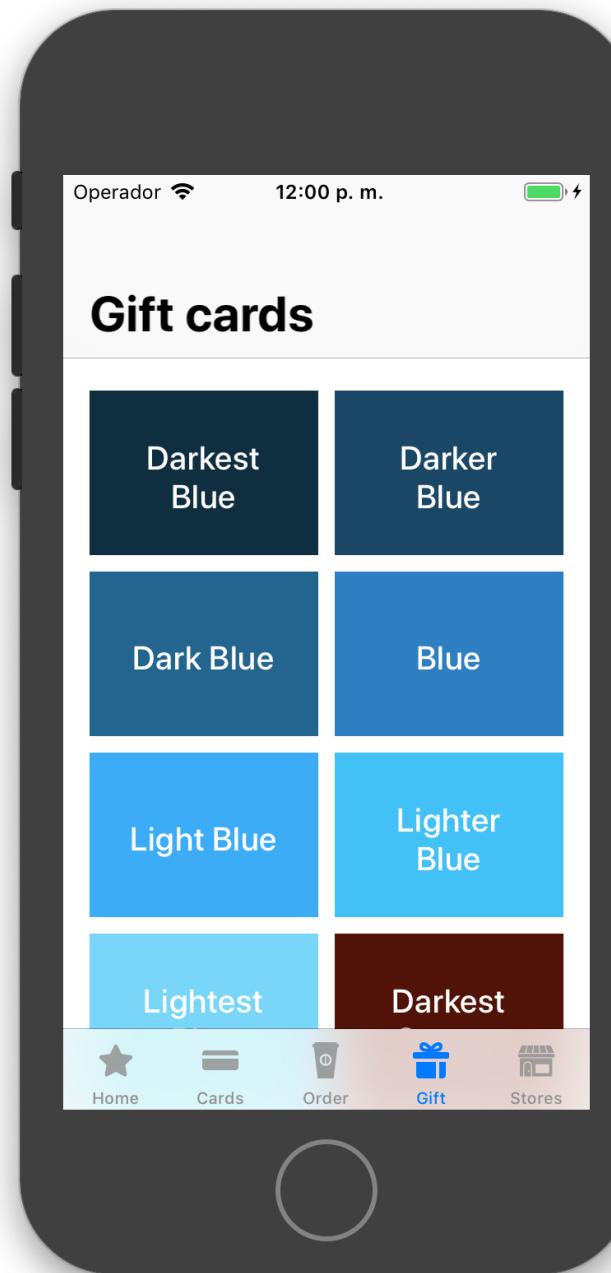
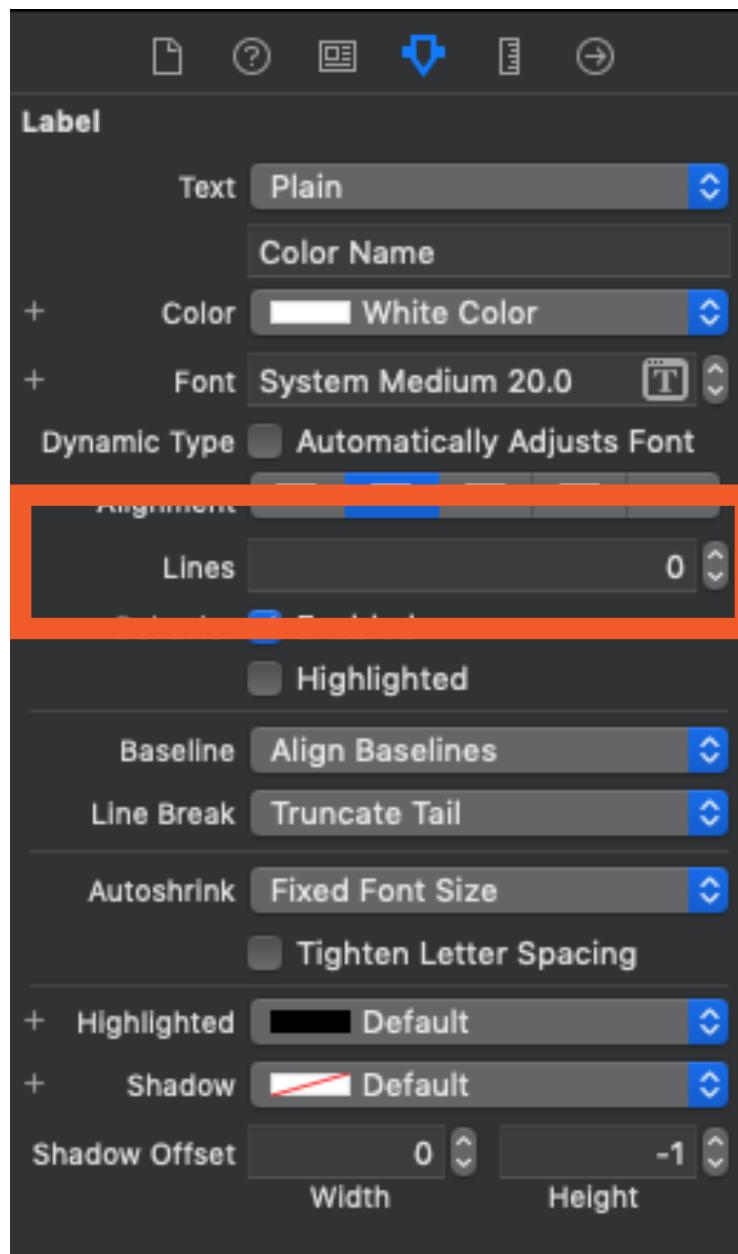


# Adaptive Layout

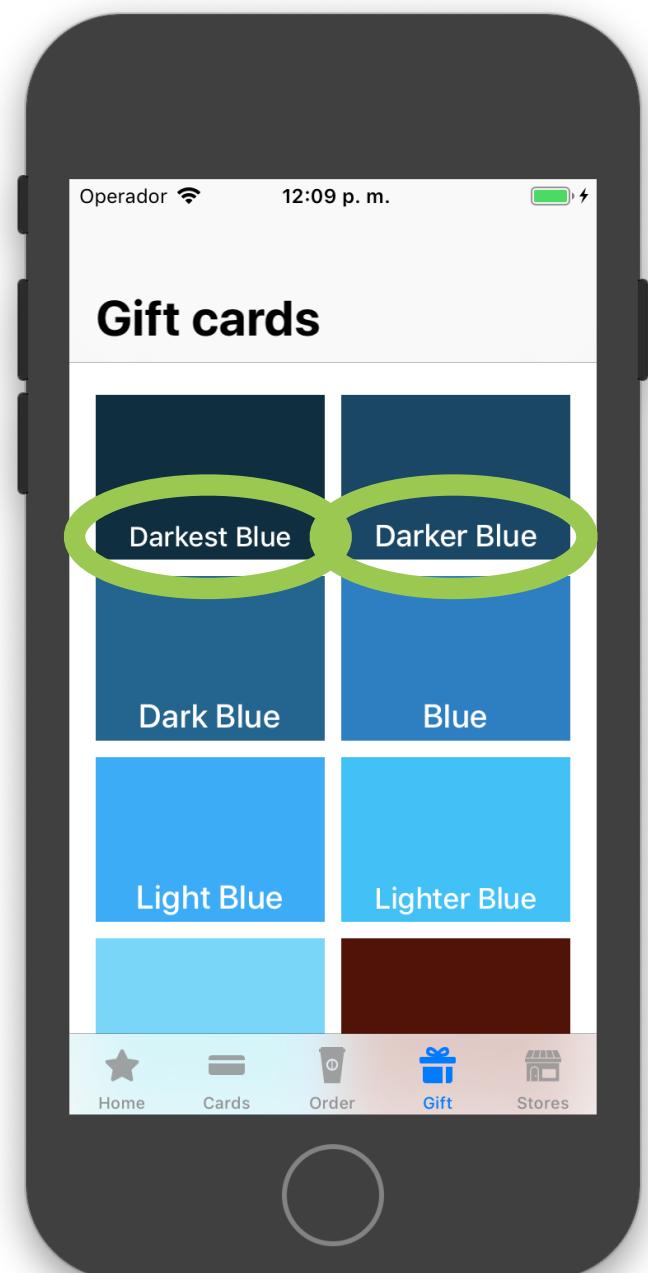
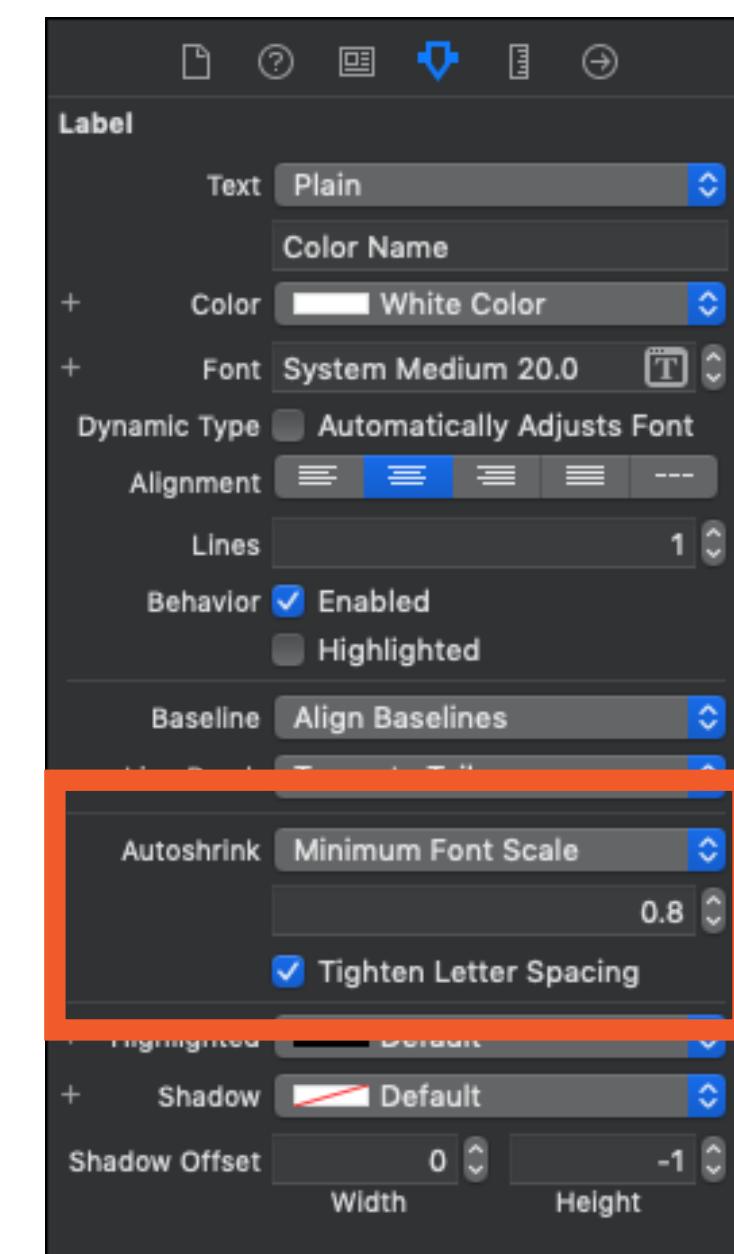


# How to Handle Text Getting Cut Off

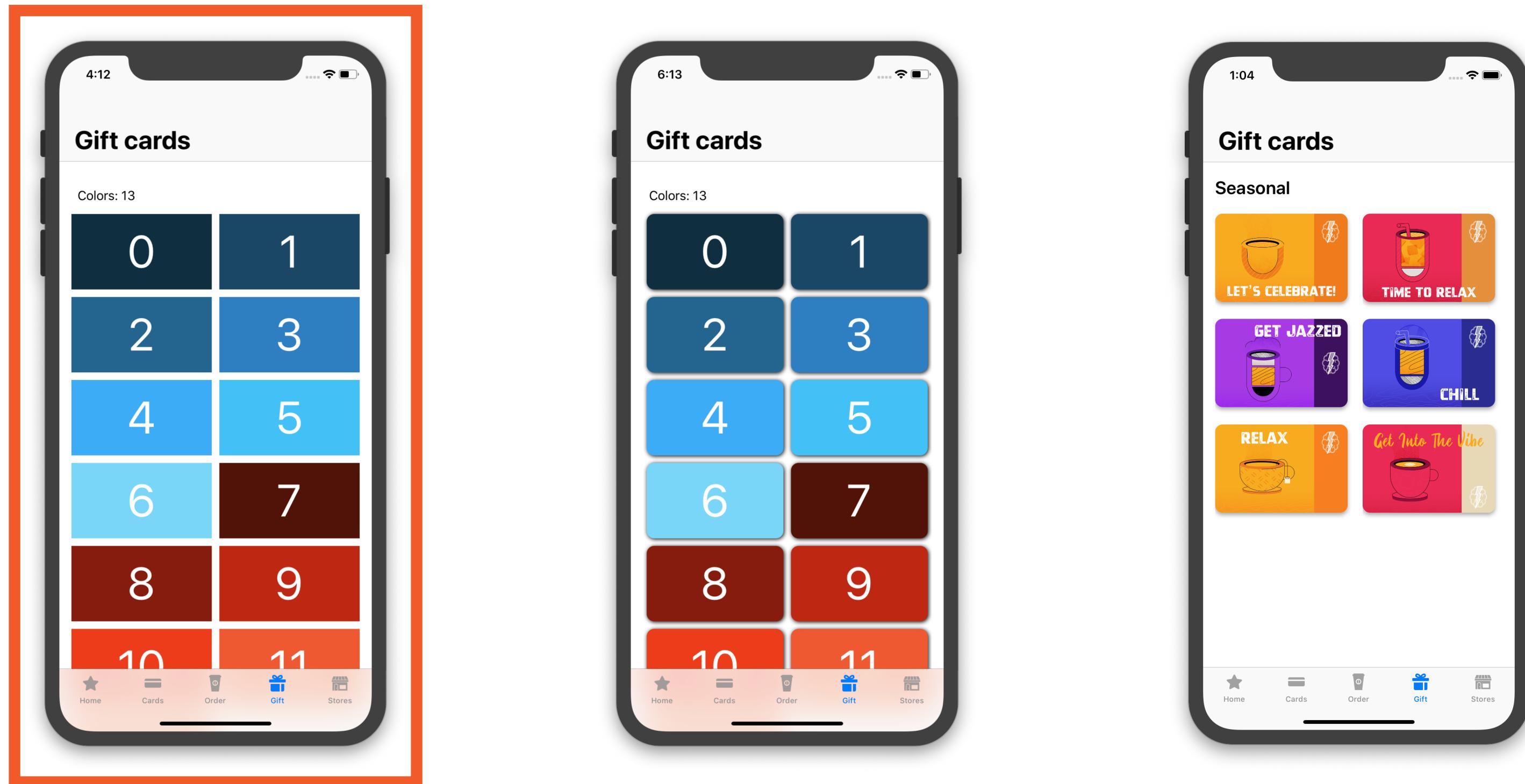
Option 1 - Lines = 0



Option 2 - Autoshrink

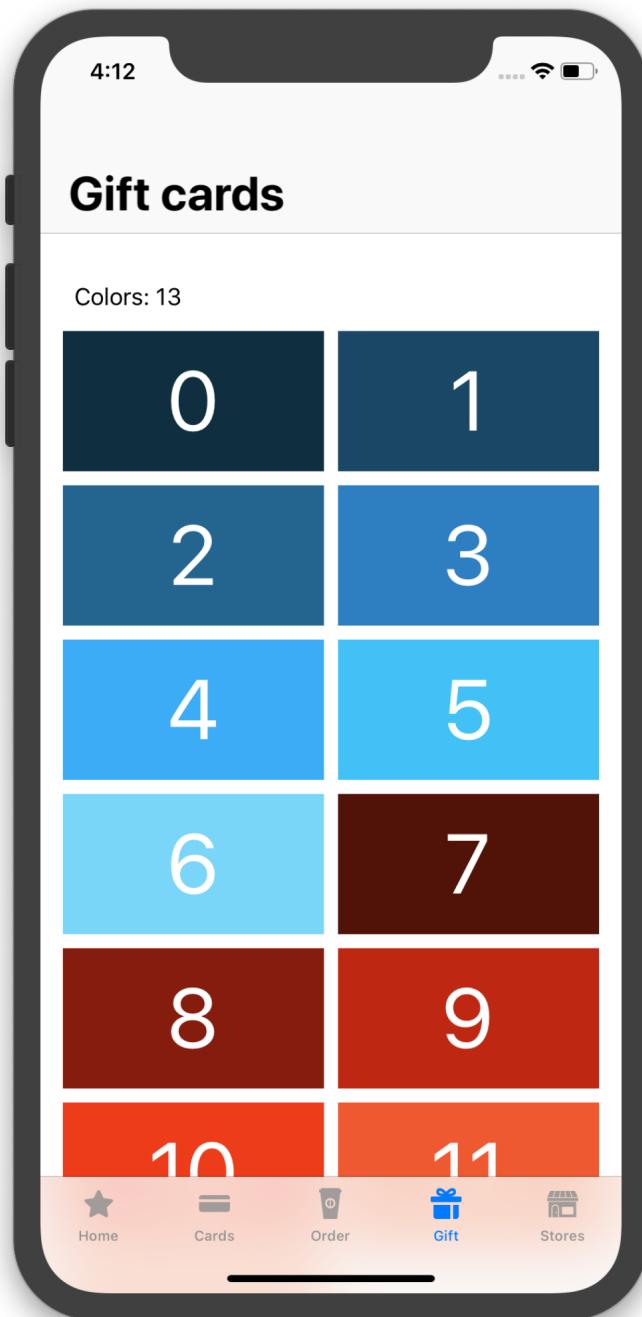


# Examples of What You Will Learn



# Customizing Collection View Cells

Demo



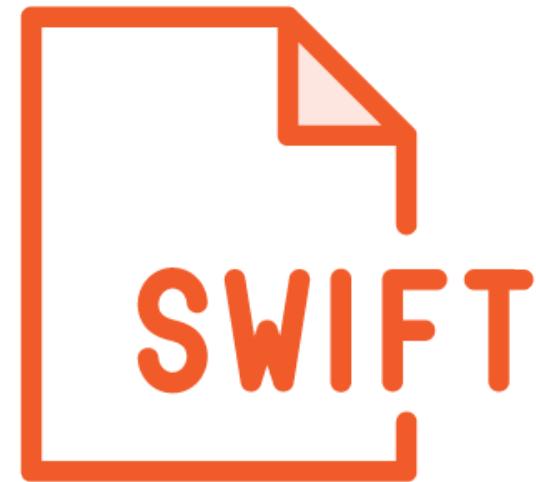
# What You Are Going to Learn



1. Add UI controls to cell



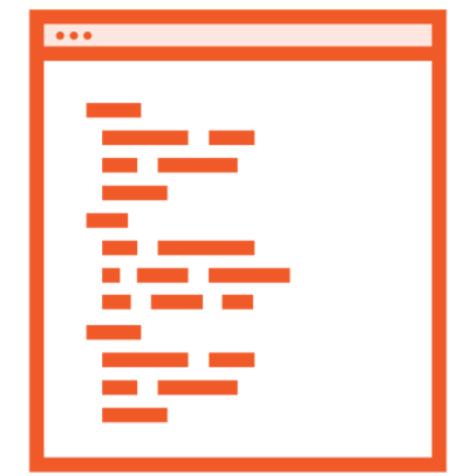
2. Identify Class Type



3. Create a new class



4. Link the class to the UI control



5. Create outlets and update property values

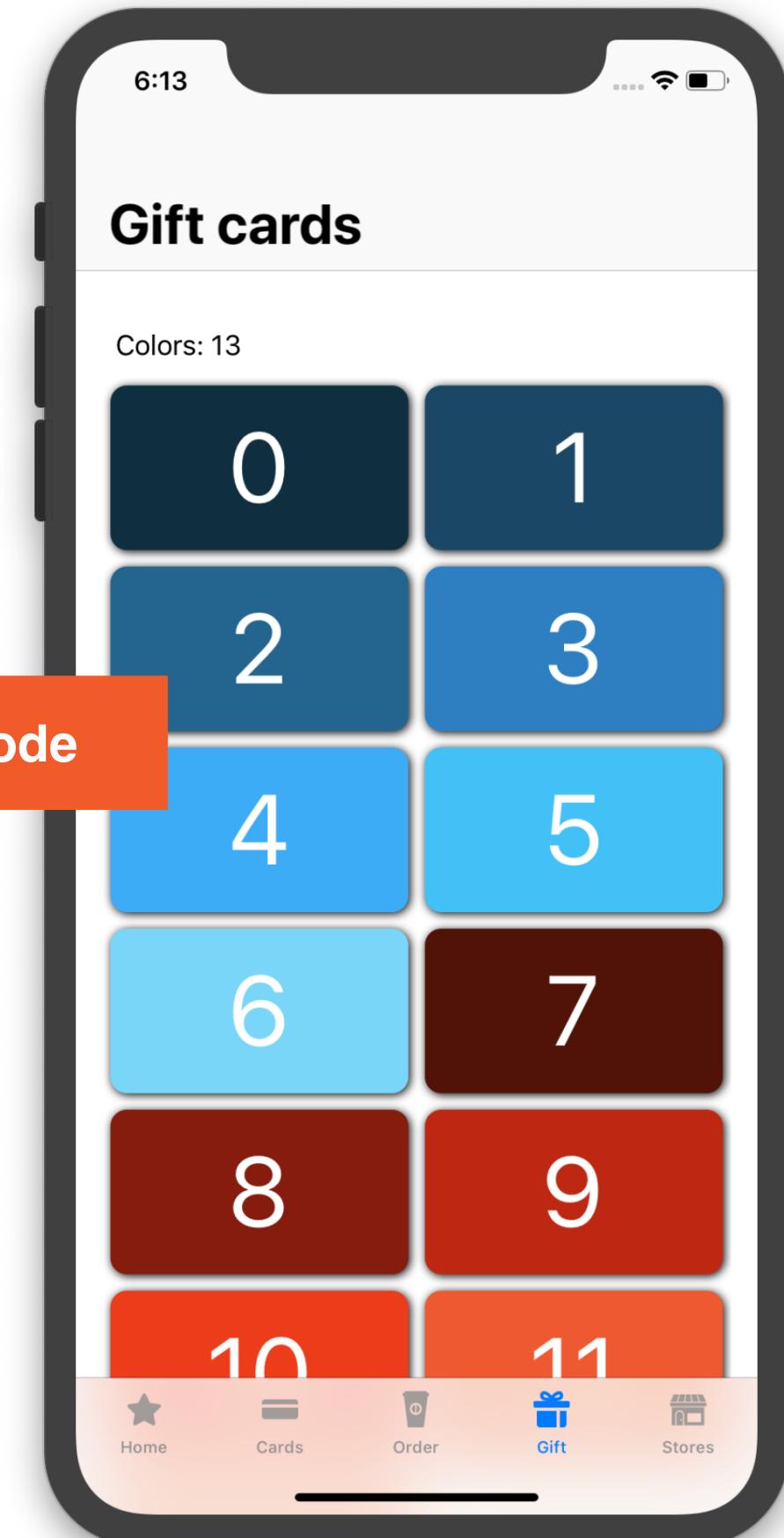
# Rounded Corners and Drop Shadows



```
class ColorCollectionViewCell: UICollectionViewCell
{
    @IBOutlet weak var numberLabel: UILabel!

    func setup(backgroundColor: UIColor,
               cellNumber: Int) {
        self.backgroundColor = backgroundColor
        numberLabel.text = "\(cellNumber)"
    }
}
```

Formatting Code



# awakeFromNib

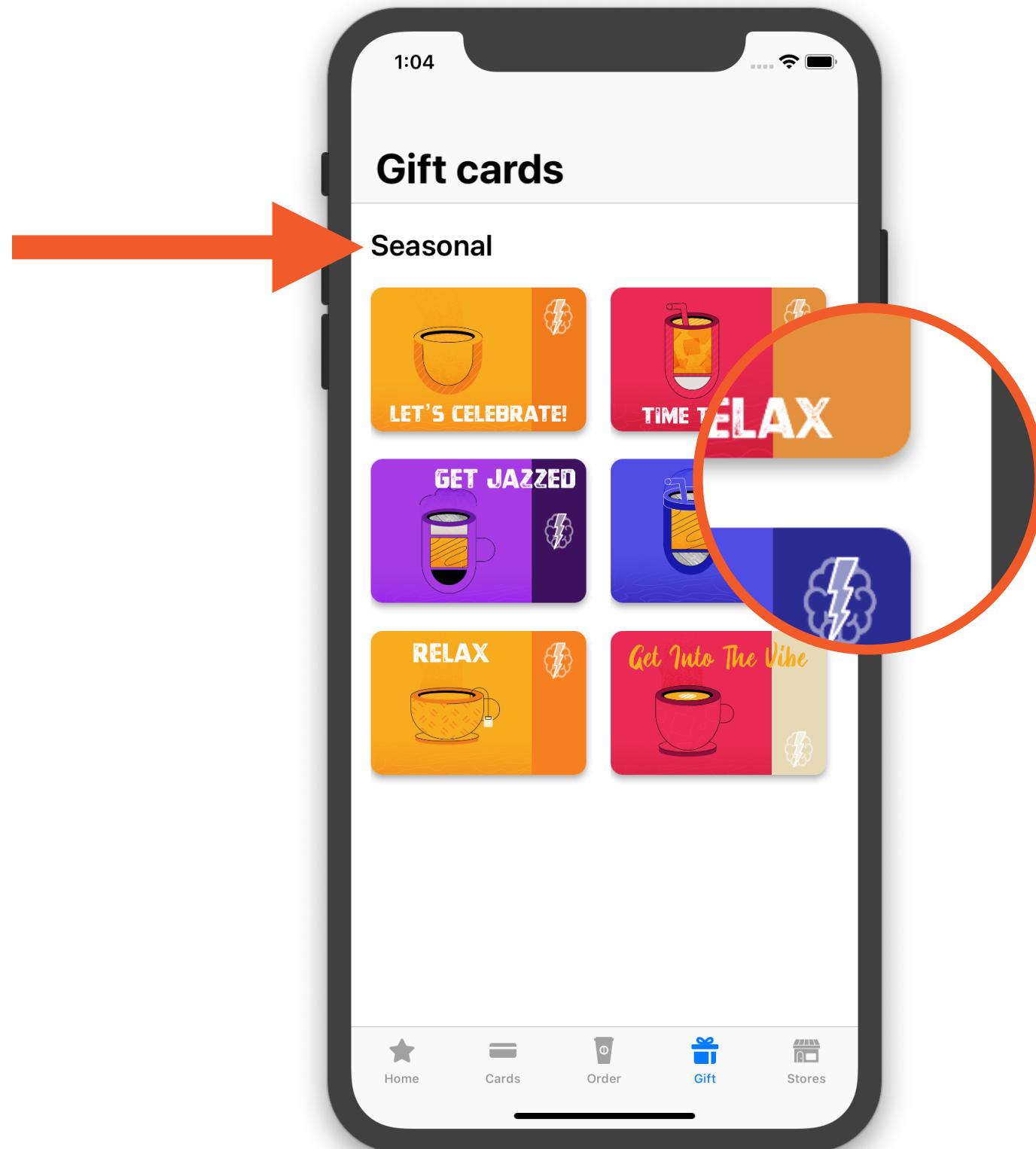
```
override func awakeFromNib() {  
    super.awakeFromNib()  
    // Additional setup  
}
```

- Happens **before** the collection view cell is shown
- Typically, you implement awakeFromNib for objects that require additional setup that cannot be done at design time

# Populating the Collection View with Gift Cards

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# What Wired Brain Coffee Wants

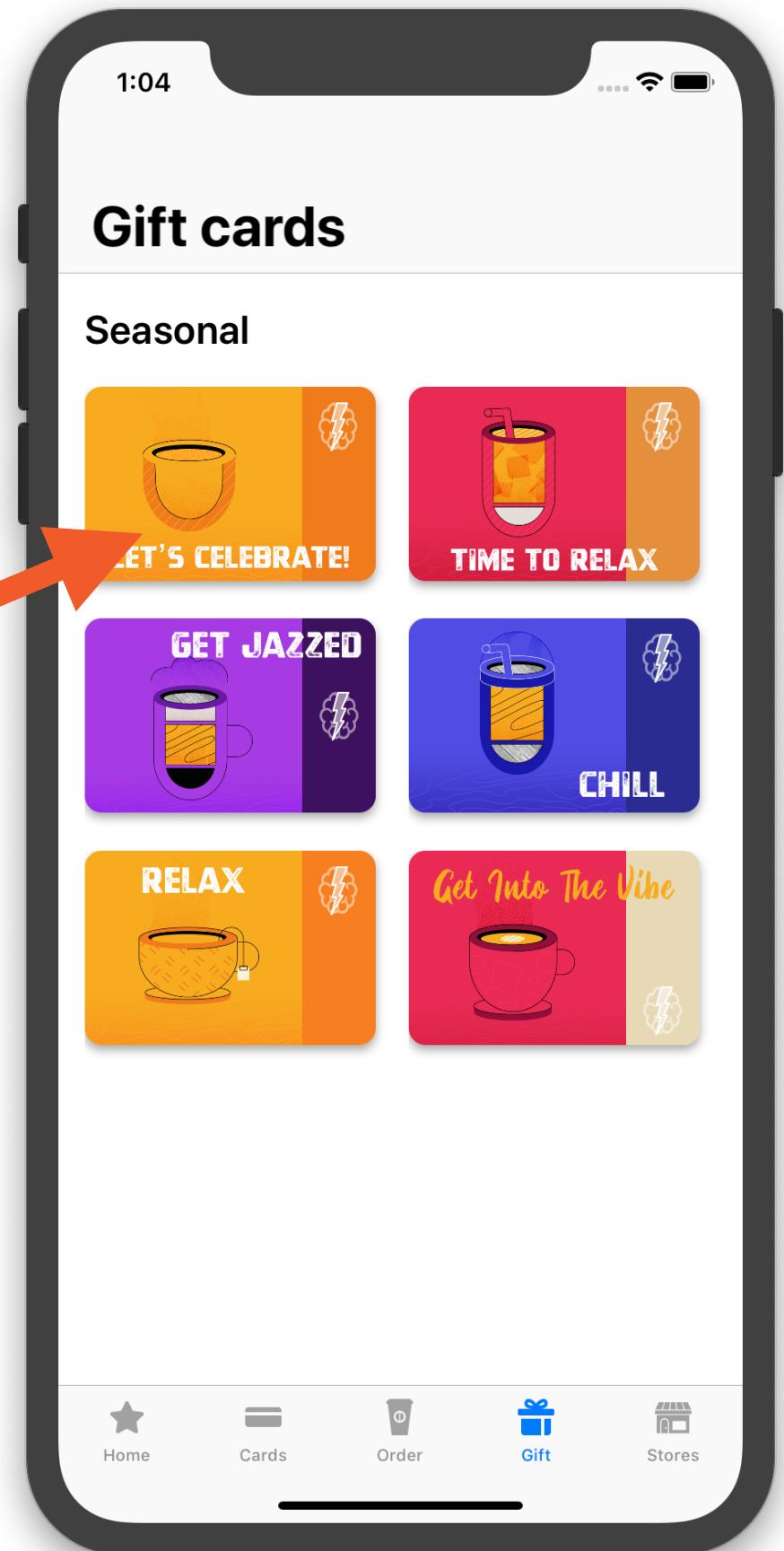


# Demo

## Showing the Seasonal Gift Cards

- Use gift card functions class to get data
- Reload collection view with new data
- Update code to use the new gift card variable

```
struct GiftCardModel {  
    var id: UUID  
    var description: String  
    var image: UIImage  
}
```



# Maintaining an Aspect Ratio for Cell Size



750

Aspect Ratio: 1.5:1

# Using the Aspect Ratio

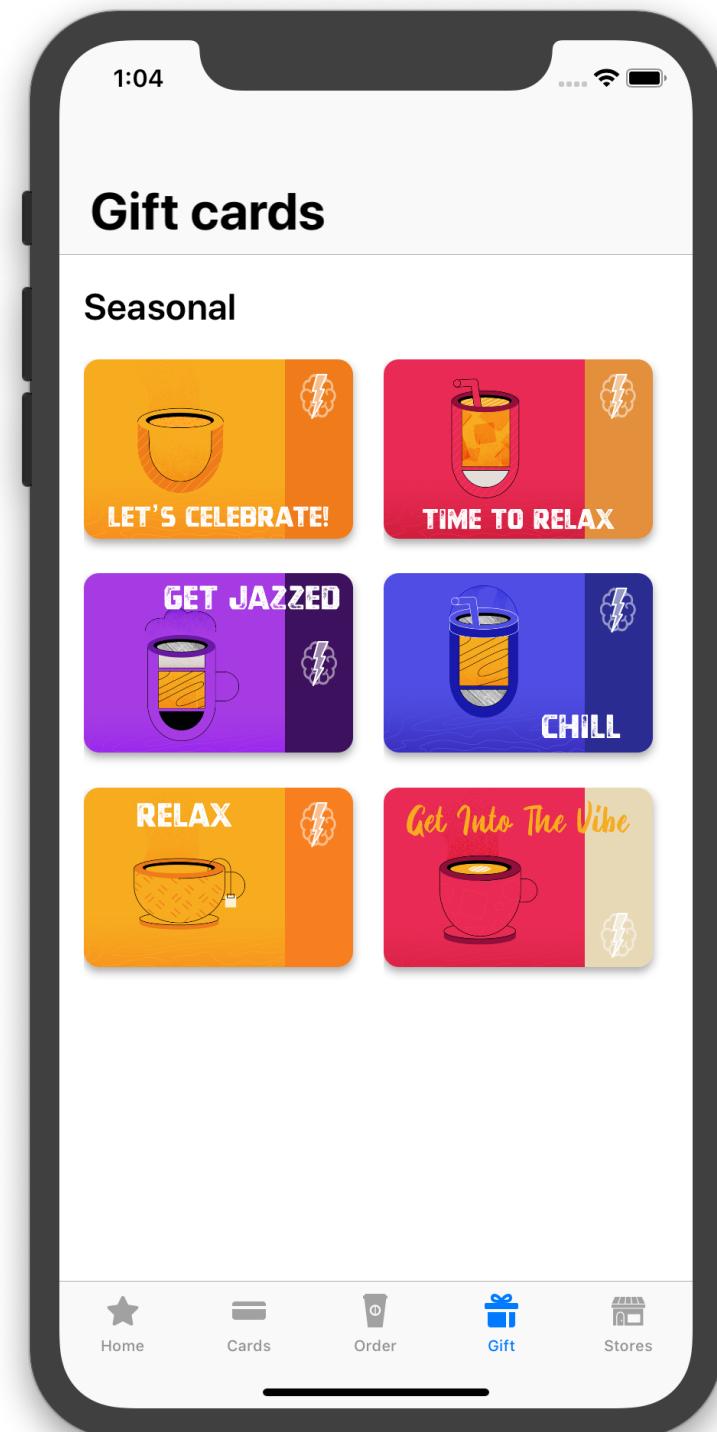


**X = Width/1.5**

**750**

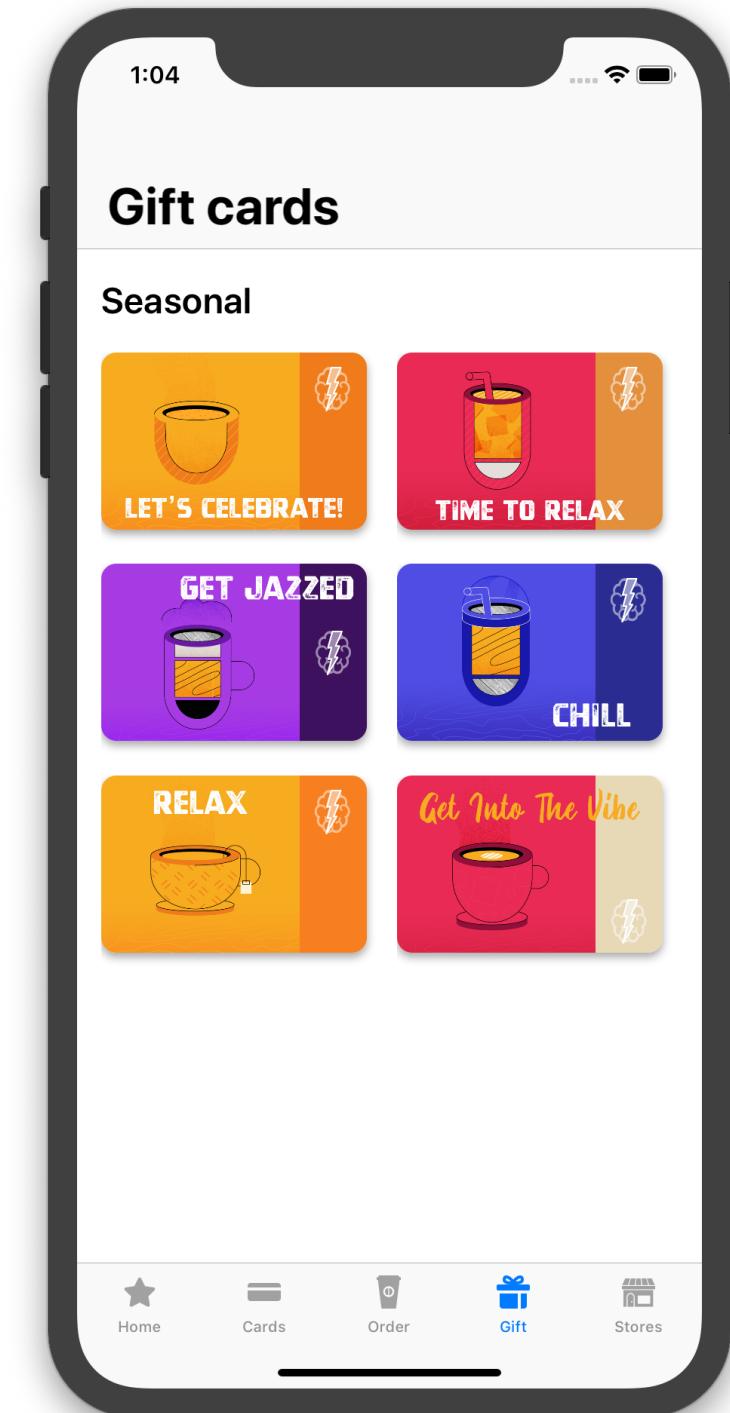
Aspect Ratio: 1.5:1

# Wired Brain Coffee Mockup



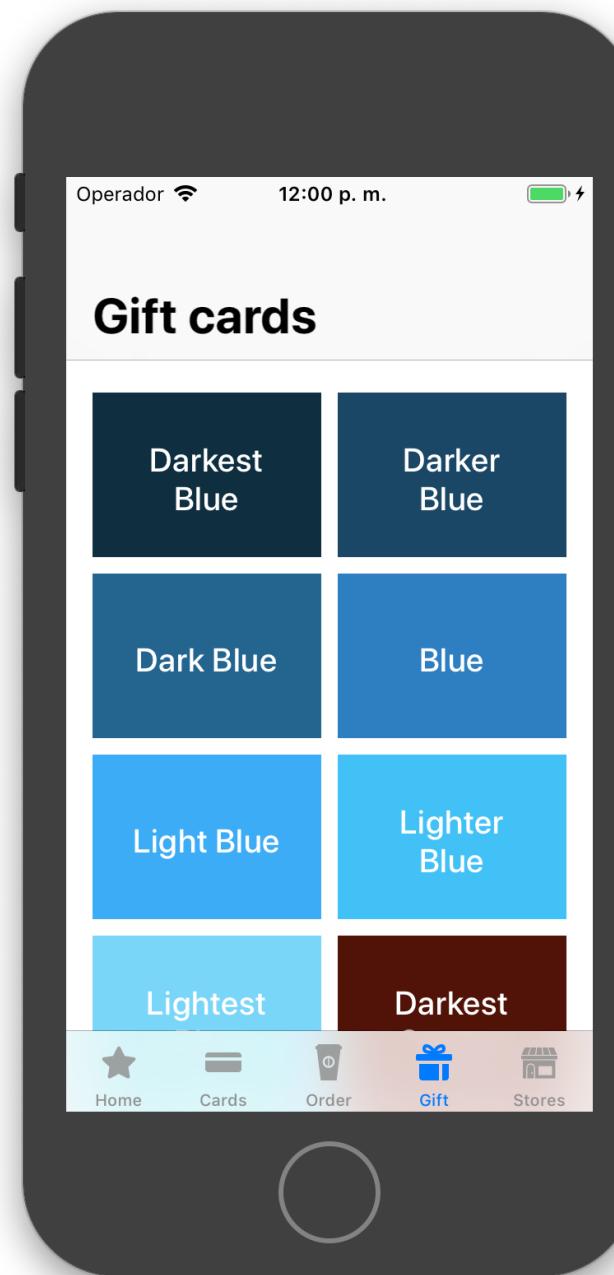
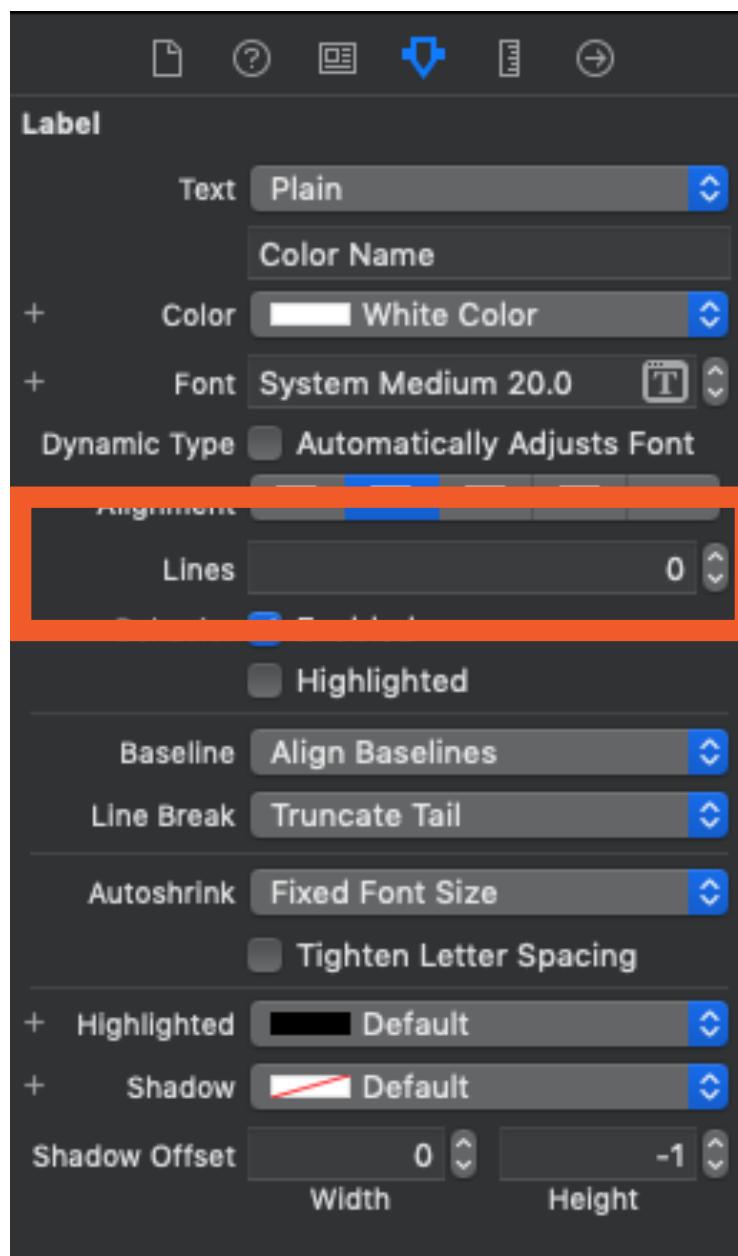
# Summary

# Customizing Collection View Cells

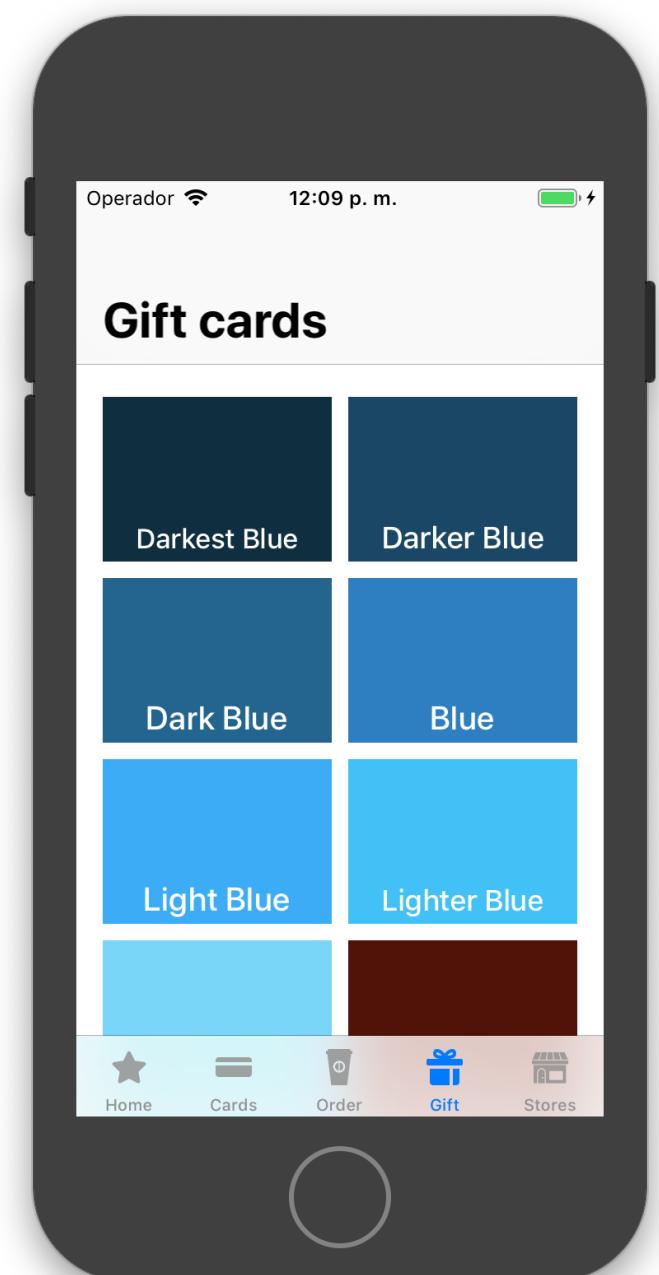
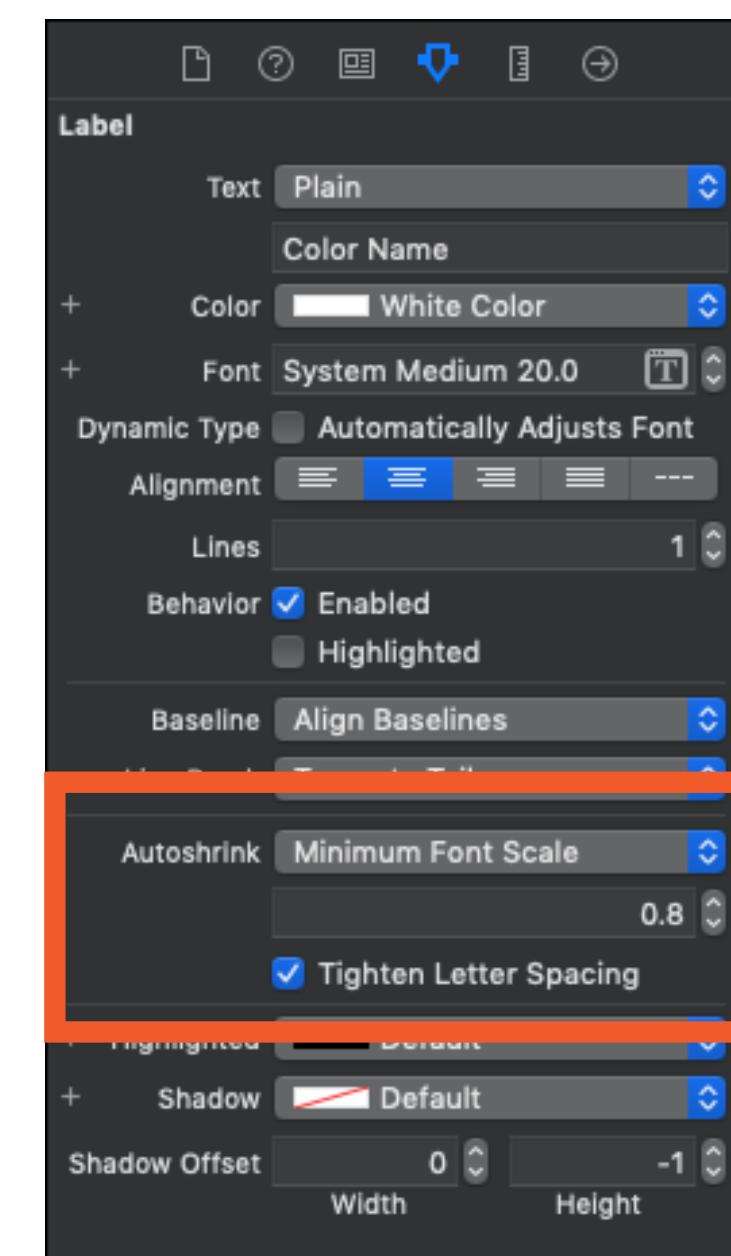


# How to Handle Text Getting Cut Off

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Option 2 - Autoshrink



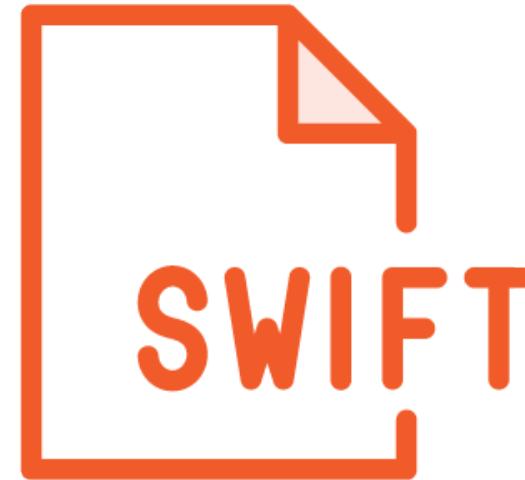
# 5 Steps to Customizing Cells



1. Add UI controls to cell



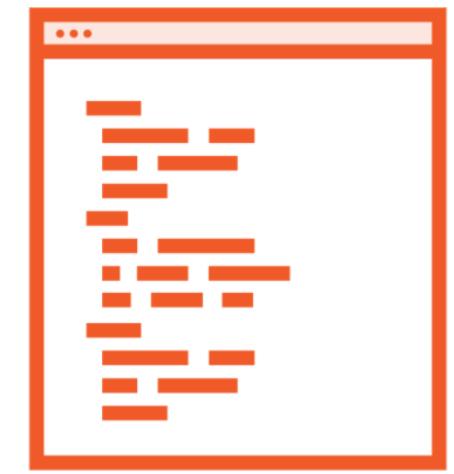
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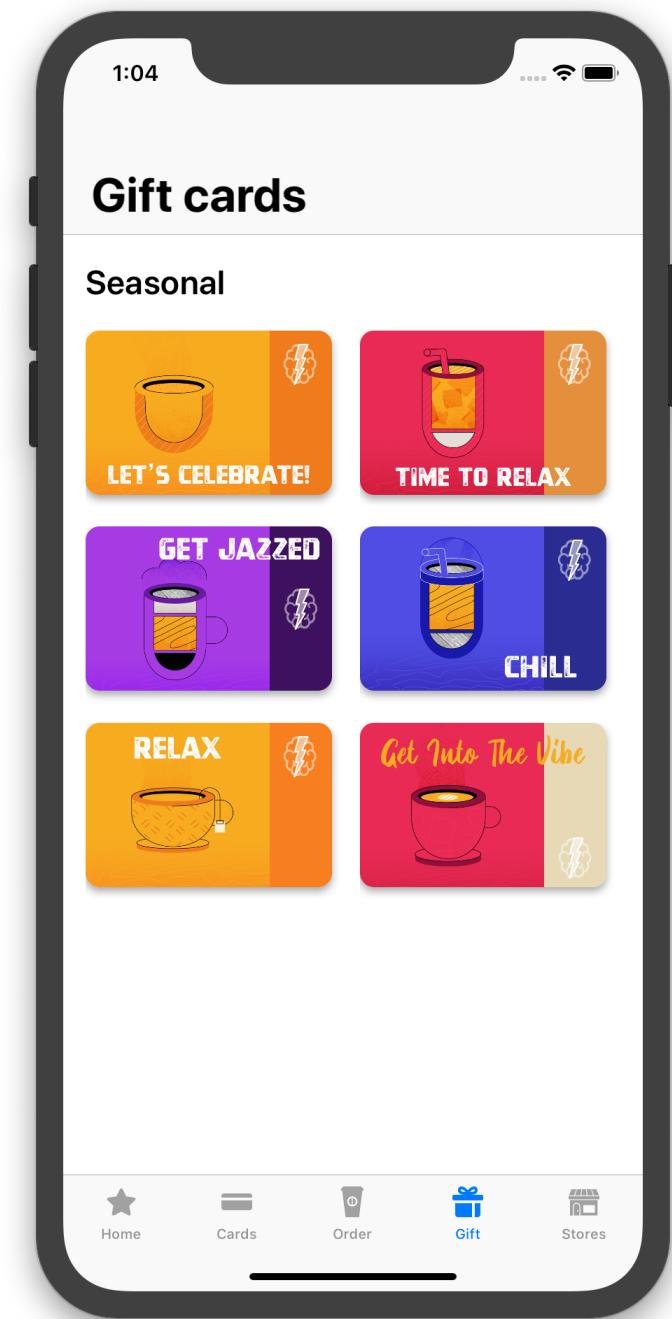
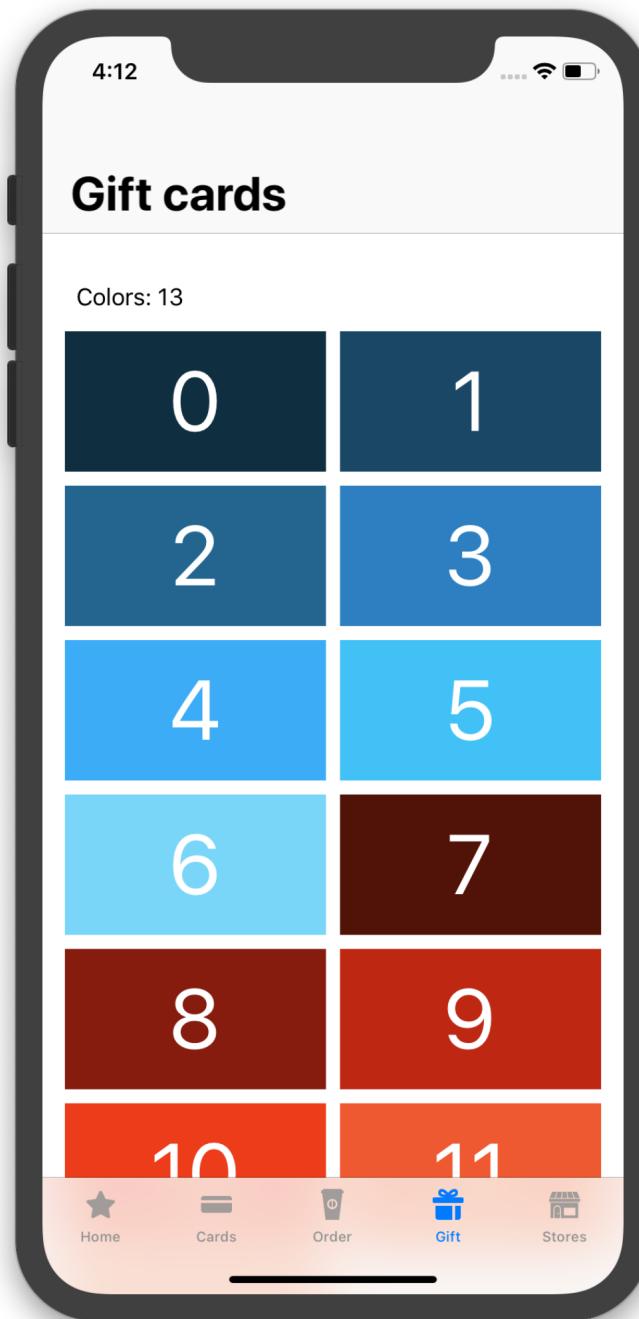


4. Link the class to the UI control



5. Create outlets and update property values

# What You Created



# What's Next?

