

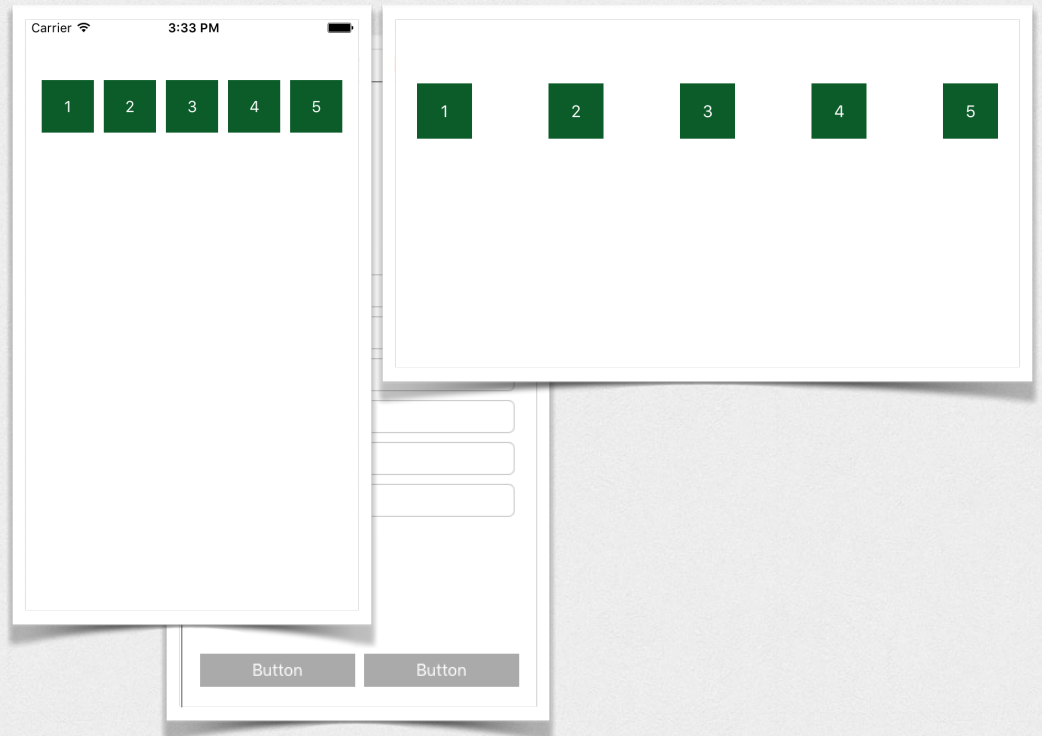
Intro to Auto Layout

UILayoutGuide and NSLayoutAnchor

UILayoutGuide

⚙️ Grouping/Containment

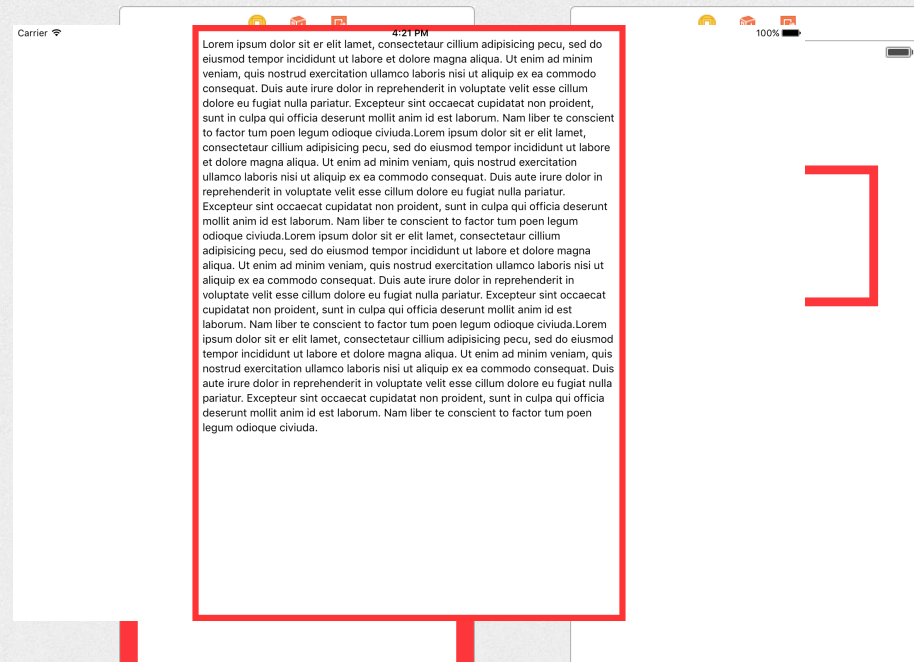
⚙️ Negative space



UILayoutGuide

⚙ layoutMarginsGuide

⚙ readableContentGuide



NSLayoutAnchor

- ⚙ Not created directly
- ⚙ Properties on UIView and UILayoutGuide
 - ⚙ top, bottom, left, right
 - ⚙ center x, y
 - ⚙ first, last baseline
 - ⚙ width, height
 - ⚙ leading, trailing
 - ⚙ no margins anchors on UIView, use layoutMarginsGuide

NSLayoutAnchor

⚙️ Cleaner, easier to read code

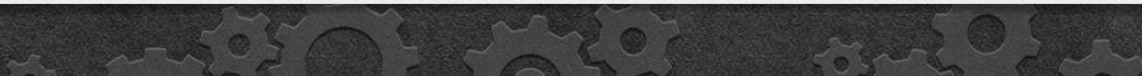
```
NSLayoutConstraint(item: button1, attribute: .Top, relatedBy: .Equal, toItem: topLayoutGuide,  
attribute: .Bottom, multiplier: 1, constant: 20).active = true
```

```
button1.topAnchor.constraintEqualToAnchor(topLayoutGuide.bottomAnchor, constant: 20).active = true
```

⚙️ Type checking

- ⚙️ NSLayoutXAxisAnchor
- ⚙️ NSLayoutYAxisAnchor
- ⚙️ NSLayoutDimension

Demo



Challenge

