

Sleight II

Interface Builder & Autolayout

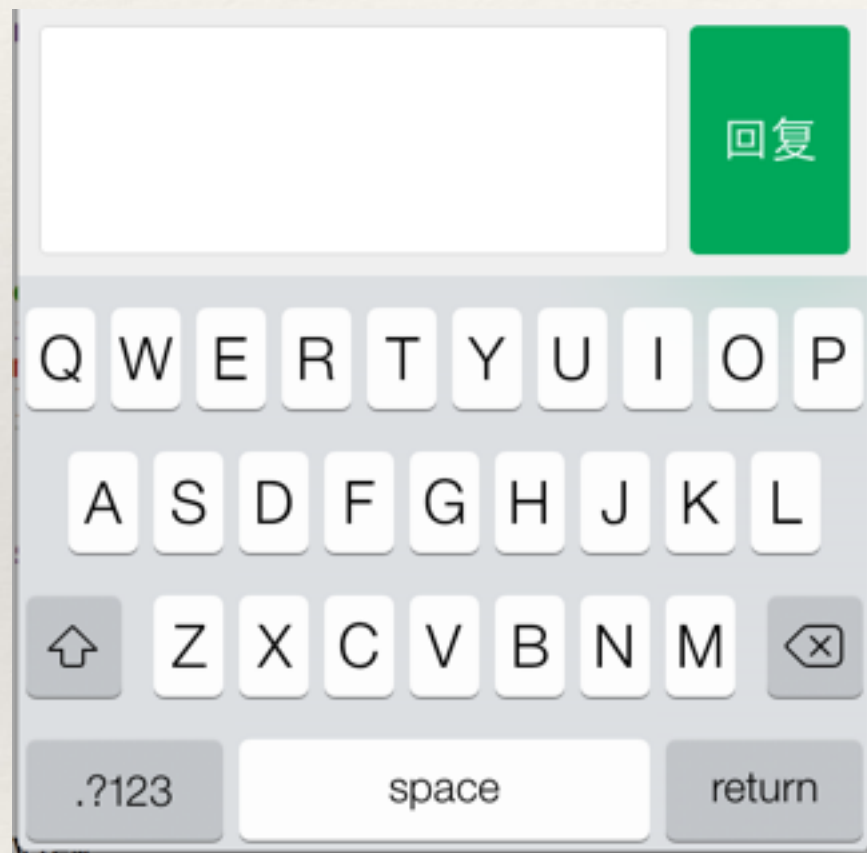
liaojinxing@douban.com

Interface Builder

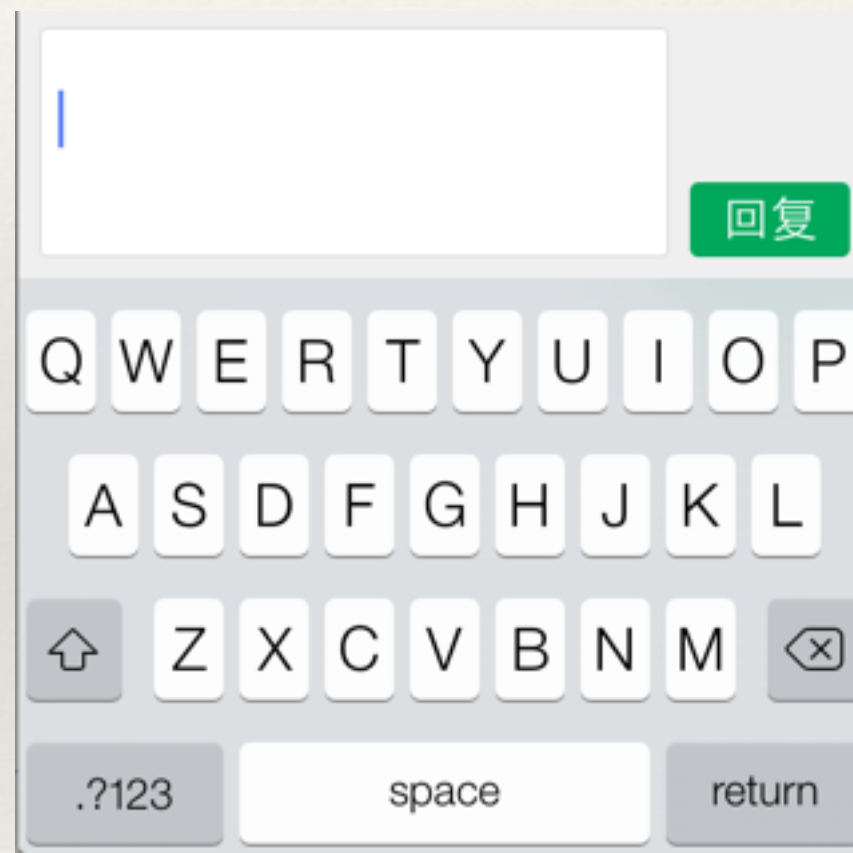
- ❖ IBOutlet
- ❖ How to load view from xib?
 - (1) load controller from nib lazily:
 - initWithNibName:bundle:
 - (2) NSBundle's methods for unarchiving NIBs.
 - loadNibNamed:owner:options:
- ❖ xib or programming?

Autosizing mask

- ❖ The autosizing system works well for simple cases.

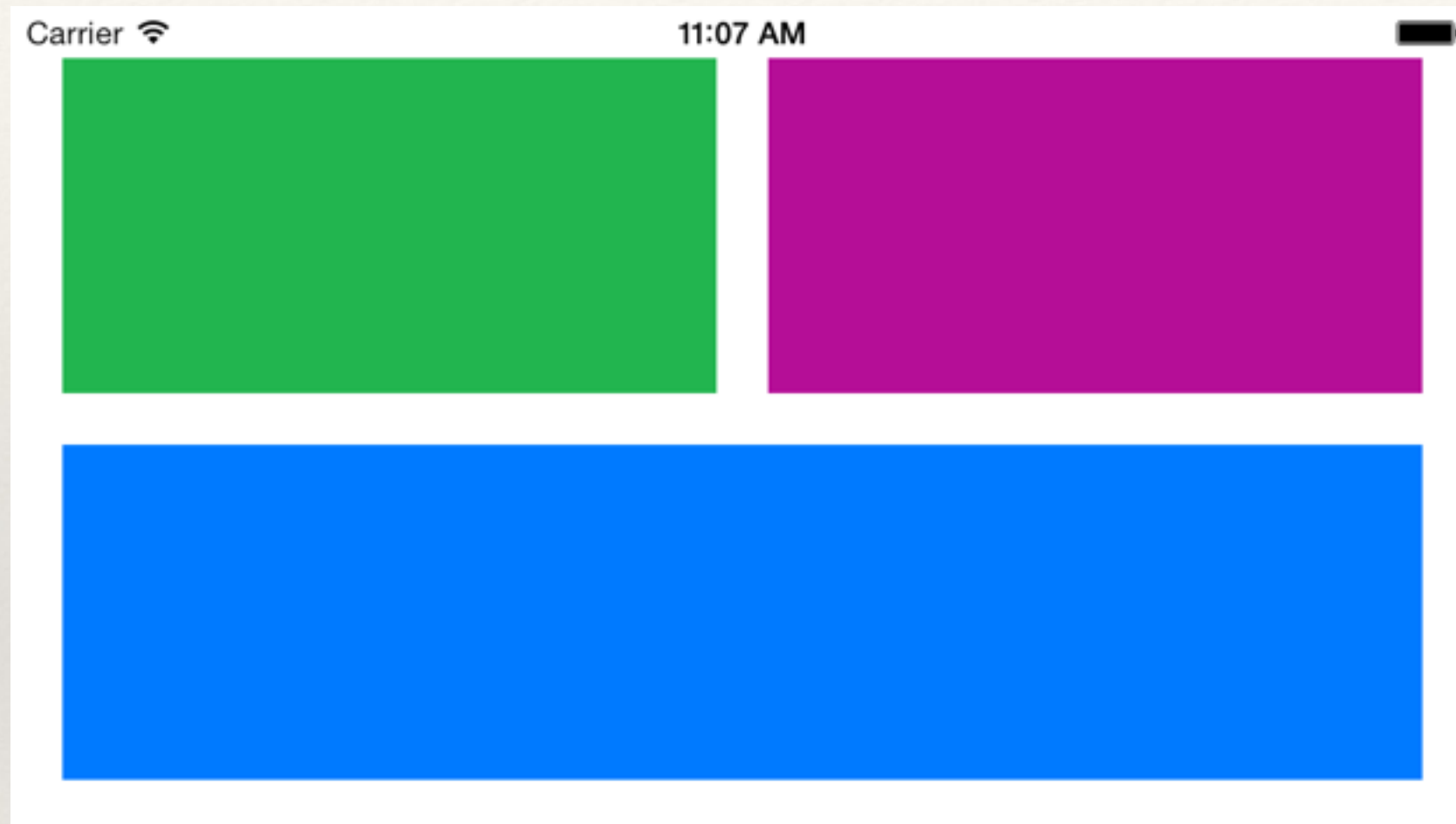


UIViewAutoresizingFlexibleHeight



UIViewAutoresizingFlexibleTopMargin

Autosizing mask?



GreenView-RedView
Horizontal spacing20?

- ❖ But it quickly breaks down when your layouts become more intricate.

Autolayout

- ❖ Auto Layout是由一系列的constraint构成的。constraint就是描述view在界面上的显示规则。
- ❖ $\text{view1.attribute} = \text{view2.attribute} * m + b$
attribute可以是以下其中之一：left, right, top, bottom, leading, trailing, width, height, centerX, centerY, and baseline.

Powerful Autolayout

❖ 强大之处:

- (1) 可以很好的适应屏幕大小的变化。
- (2) constraint的设置除了支持常量之外，还支持不等式和设置优先级。
- (3) intrinsic content size。
- (4) Auto layout在动画中的优势。(facebook paper?)

Autolayout in code

- ❖ 三部曲：

- (1) `setTranslatesAutoresizingMaskIntoConstraints:NO`
- (2) `set constraint`
- (3) `add constraint to view`

- ❖ 第三方库：

FLKAutolayout, KeepLayout, UIView-AutoLayout等

- ❖ Example:

<http://code.dapps.douban.com/Jaeger-iPhone/pull/191/>

Resources

- ❖ Apple官方文档

- ❖ 一个不错的教程：

<http://www.raywenderlich.com/50317/beginning-auto-layout-tutorial-in-ios-7-part-1>

- ❖ 使用Autolayout布局UITableView:

<https://github.com/smileyborg/TableViewCellWithAutoLayout>

- ❖ 我的整理和总结：

<http://code.dapps.douban.com/liaojinxing/Autolayout>

Exercise



Thanks!