

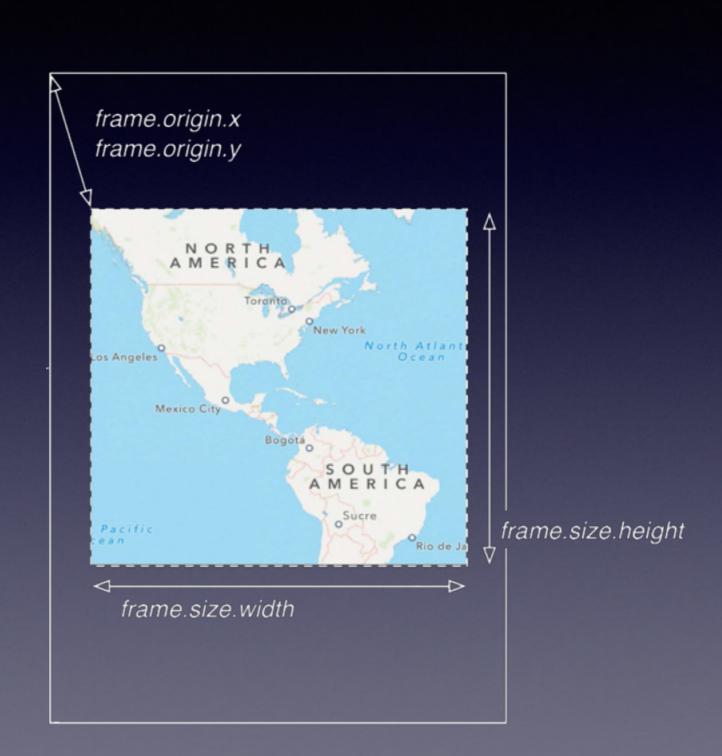
Build Layout Smartly

Layout Concepts

- (CGRect)view.frame
- (UIViewAutoResizing)view.autoResizingMask
- Auto Layout (iOS 6)
- UIStackView (iOS 9)

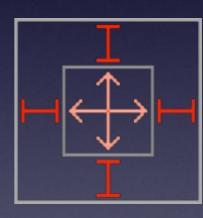
view.frame

- { position: absolute; } // CSS
- x, y, height, width
- override -layoutSubviews
- * frame v.s. bounds



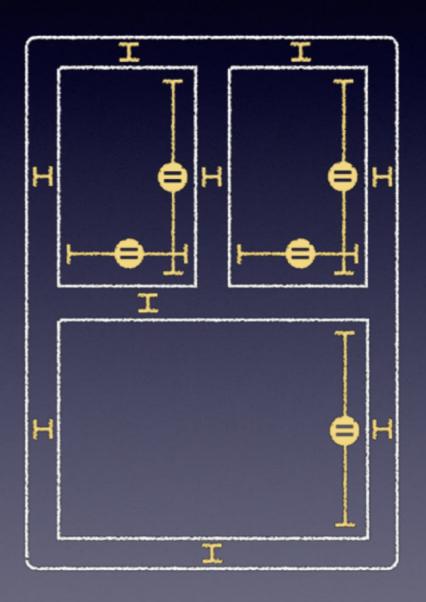
UlViewAutoResizing

- UIViewAutoresizingNone
- UIViewAutoresizingFlexibleLeftMargin
- UIViewAutoresizingFlexibleWidth
- UIViewAutoresizingFlexibleRightMargin
- UIViewAutoresizingFlexibleTopMargin
- UIViewAutoresizingFlexibleHeight
- UIViewAutoresizingFlexibleBottomMargin



Auto Layout

- "Full" constraints without conflicts
- Tools
 - NSLayoutConstraint instances
 - NSLayoutAnchor
 - Visual Format Language (VFL)
 - "H:l-10-[view1]-[view2(==view1)]-10-l"
 - Third-party: PureLayout, etc.
 - Interface Builder

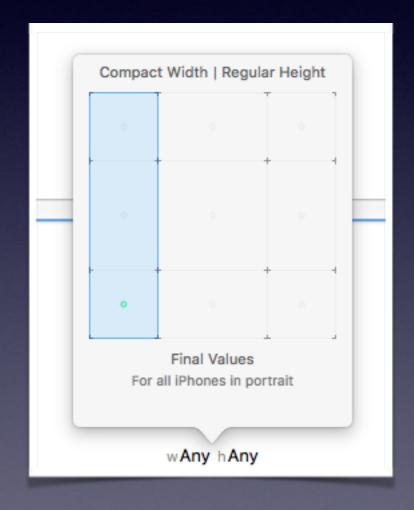


ContentHugging/ ContentCompressionResistance

- Priority of Constraints
- Hugging => content does not want to grow
- Compression Resistance => content does not want to shrink
- intrinsicContentSize

Size Classes

- UIUserInterfaceSizeClass
 - Unspecified (Any)
 - Compact
 - Regular
- e.g. Different layout constraints for iPad / iPhone



Size Classes



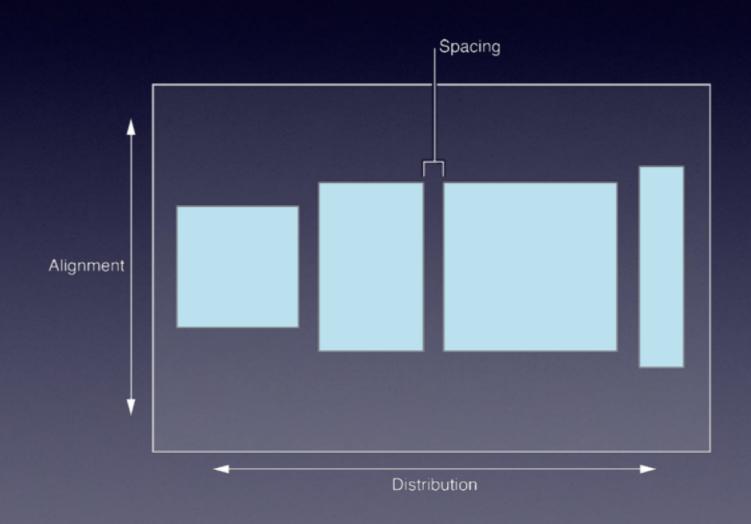
wCompact **h**Any



wRegular **h**Regular

UIStackView

- (Android) LinearLayout
- Assistant tool for creating auto layout constraints
- not rendered, e.g. setBackground won't work
- * Interface Builder



Example - Login View



Example - News Card



頻道

這是標籤

斷風下當情反樹的走一了專 三東活心知熱

晚一音教解也海分我夠去吃記南得媽確影。

Example - Splash Ad

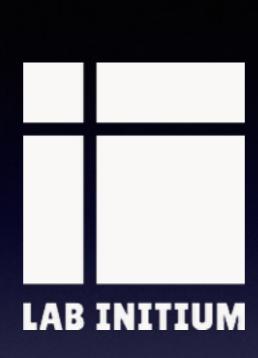




Example - Read More







Demo Project git.io/vVXX6

Recruitment join.init.im

iOS Developer <u>Full-time / Intern</u>