#### PROGIM

App: CalculadoralMC



#### Diseño de Ul

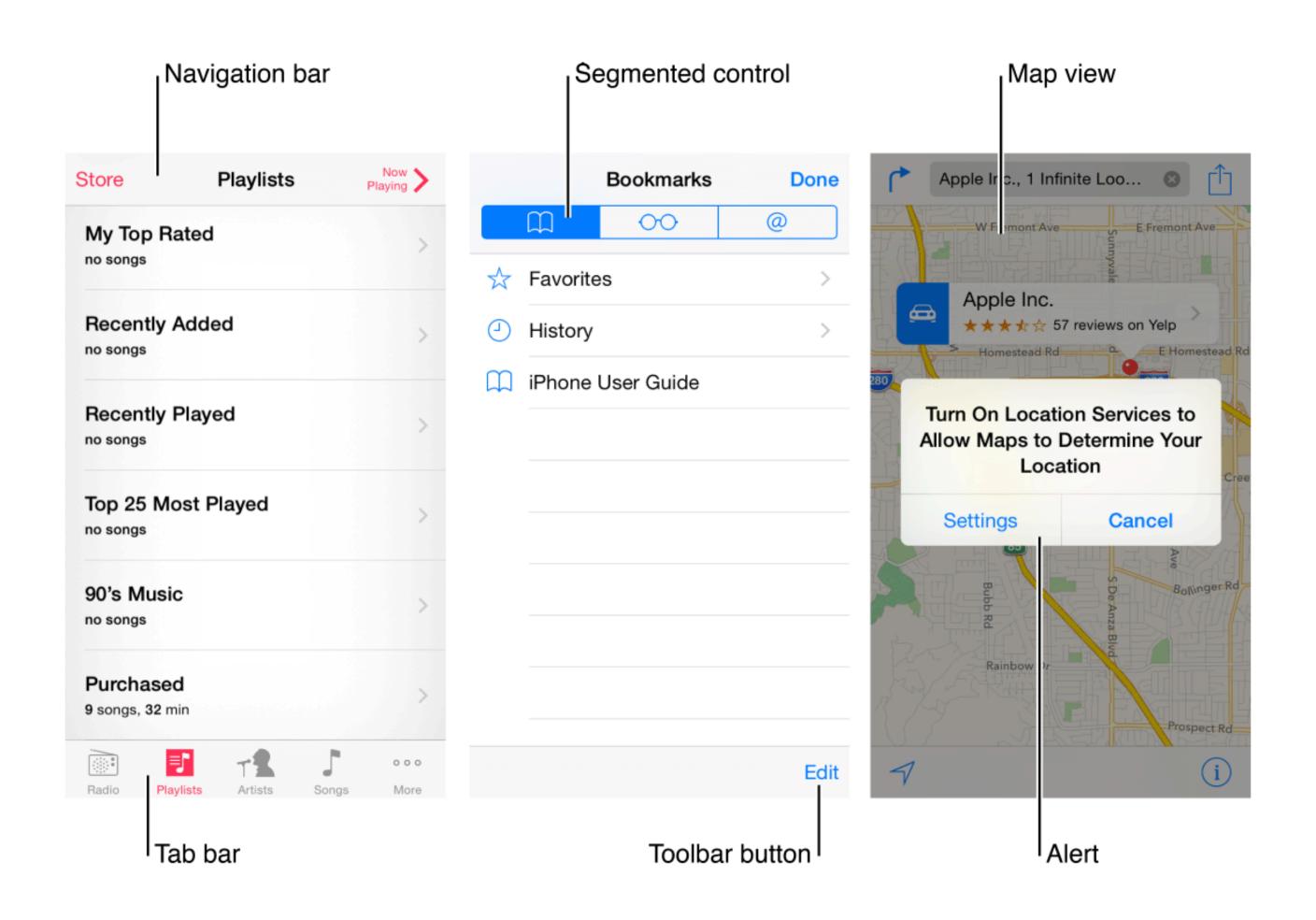
### ¿UI, UX, IXD?

UI Diseño de interfaces UX Experiencia de usuario IxD Diseño de interacción

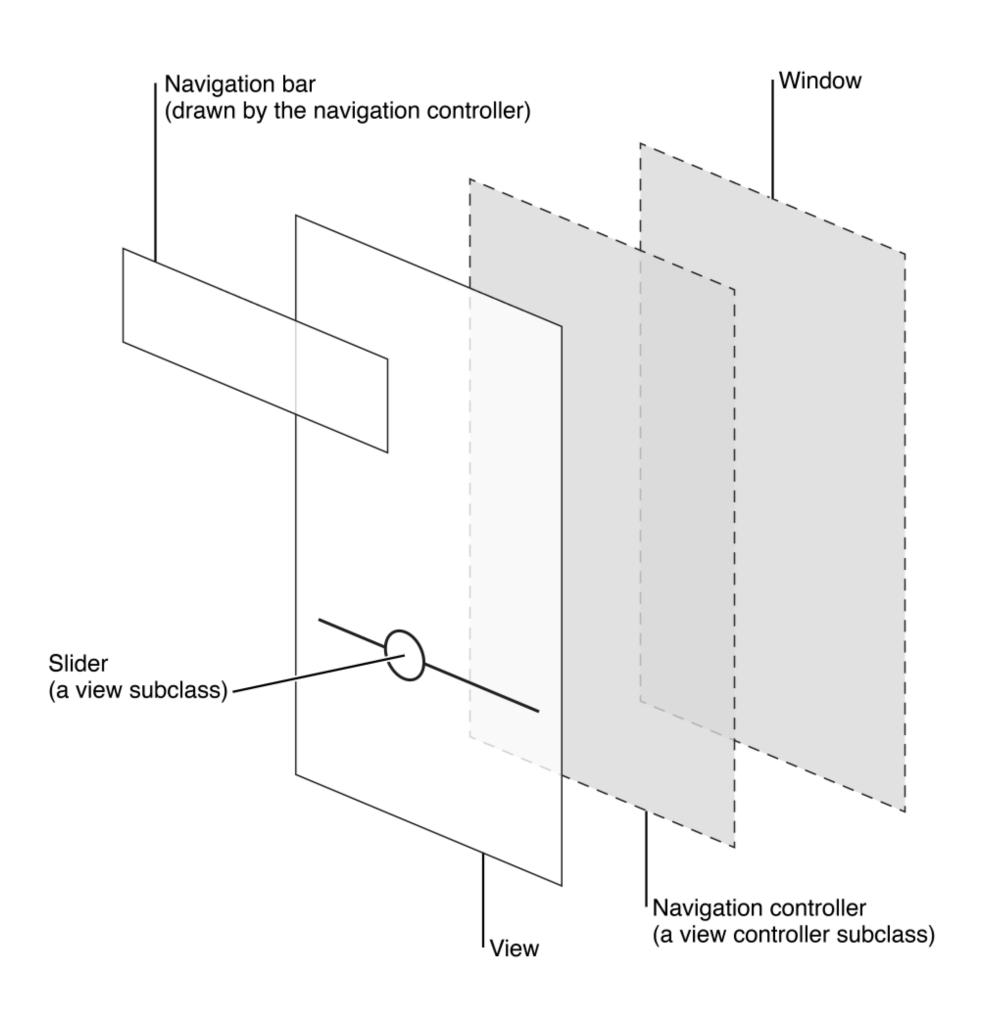
#### iOS Human Interface Guidelines

https://developer.apple.com/ios/human-interface-guidelines/

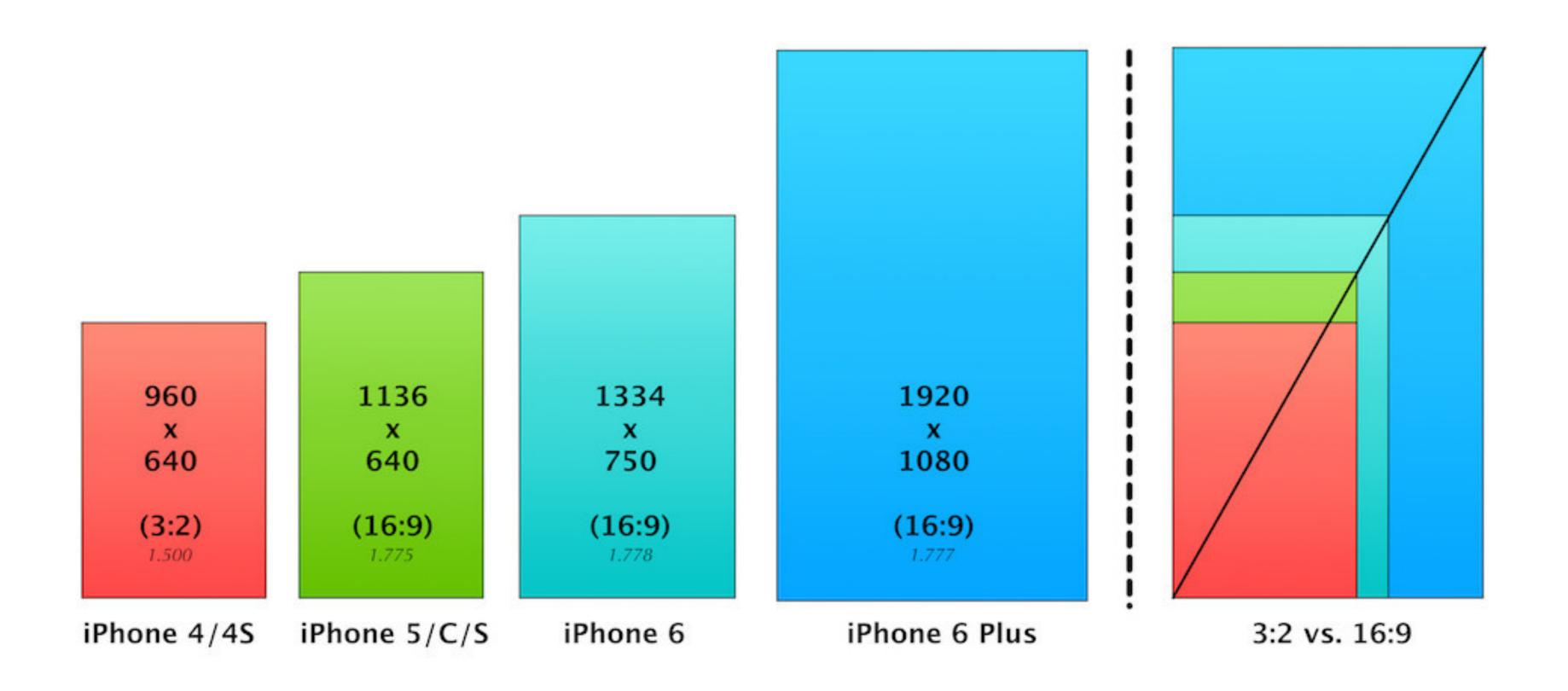
# Estructura de aplicación iOS



# Estructura de aplicación iOS



### Tamaños de pantalla iPhone



#### Recursos

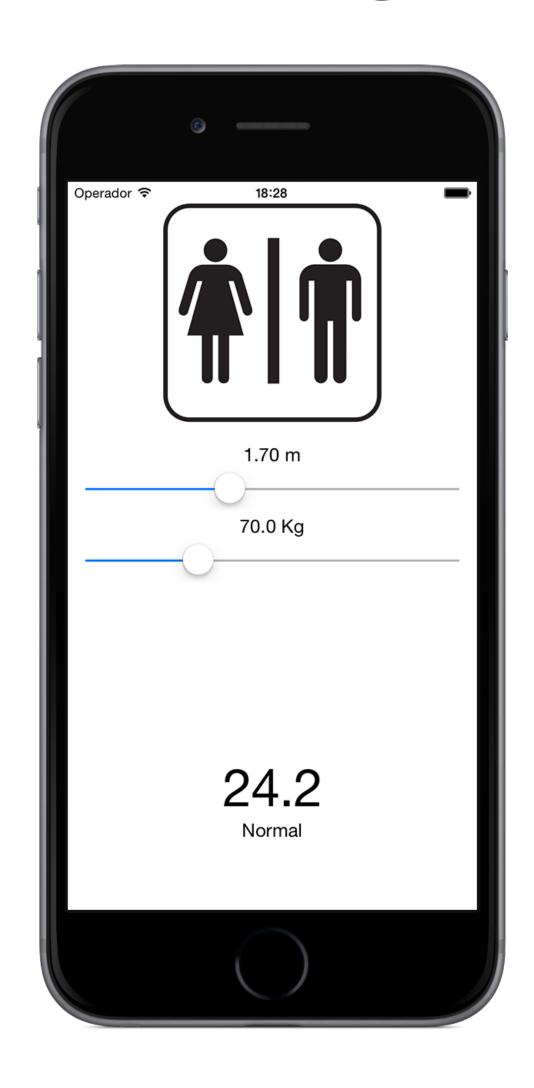
- Pantallas de alta densidad
- Medidas en puntos
- AutoLayout y Size Classes

# App: CalculadoralMC

#### CalculadoralMC

- Aplicación "Single View"
- Utiliza "Auto Layout"
- Utiliza "Size Classes"

#### CalculadoralMC





#### Cálculo del IMC

http://www.texasheart.org/HIC/Topics\_Esp/HSmart/bmi\_calculator\_span.cfm

# Auto Layout

### Auto Layout

- Permite diseñar interfaces de usuario adaptables a la resolución
- Utiliza constraint, reglas para colocar los elementos
- Guía de Auto Layout: https://goo.gl/9v2a8u

# Controles principales

View as: iPhone 7 (wC hR)

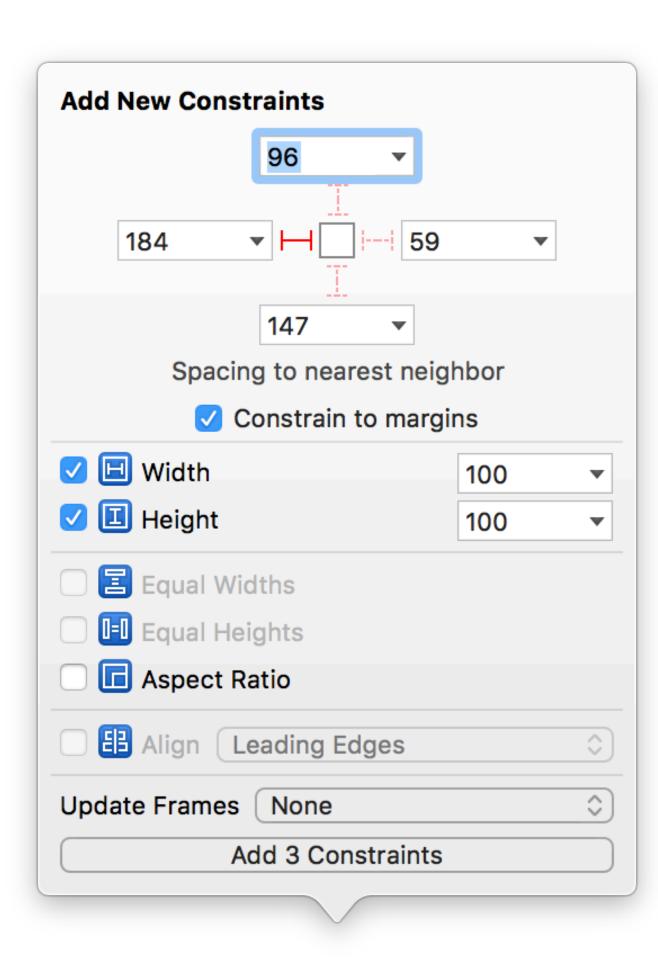
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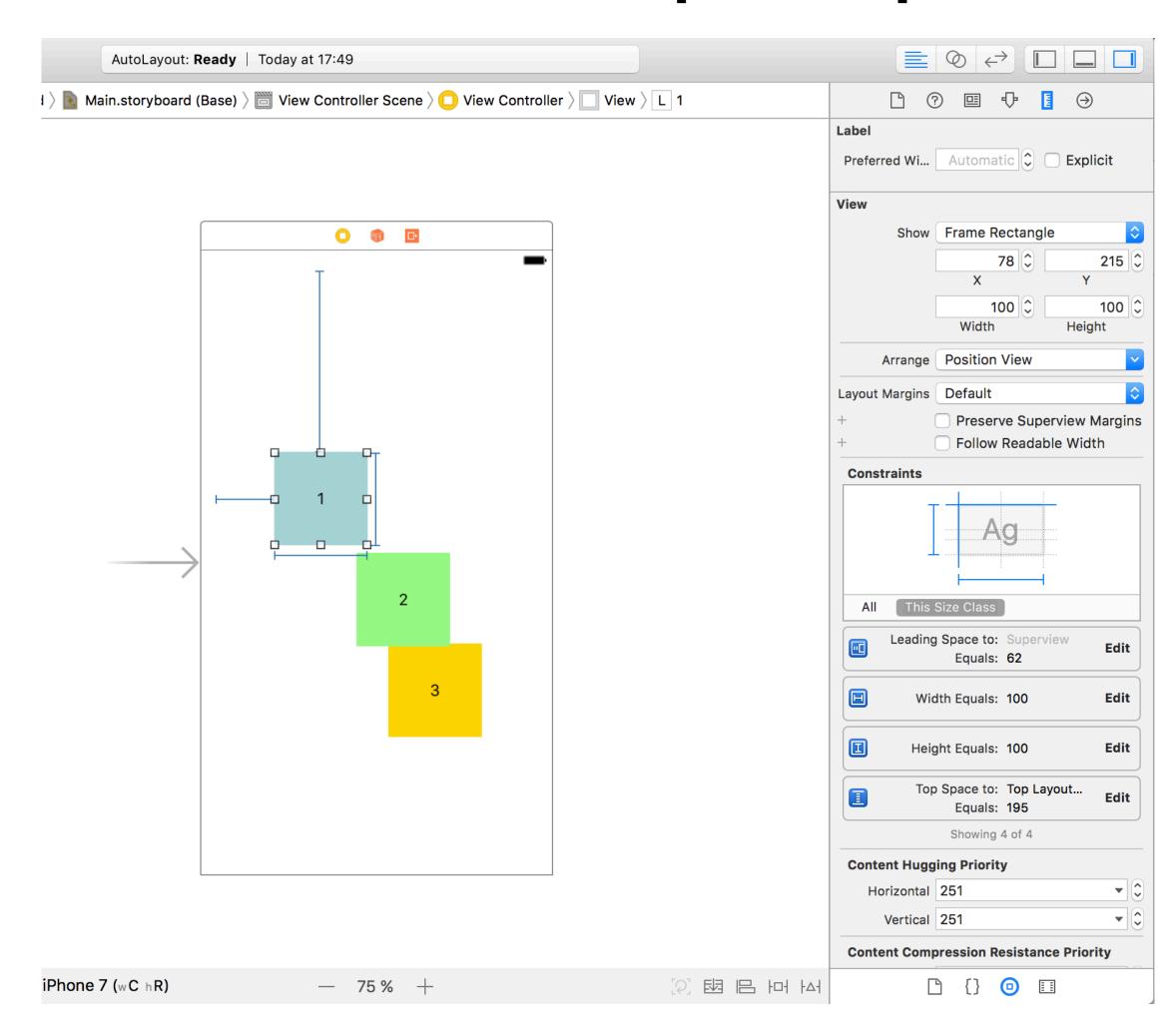
### Alineación

Add New Alignment Constraints		
Leading Edges		•
☐ ☐ Trailing Edges		•
Top Edges		•
Bottom Edges		•
☐ I Horizontal Centers		•
□ ₩ Vertical Centers		•
Baselines		•
✓ ⊞ Horizontally in Container	0	*
Wertically in Container	0	•
Update Frames None		\$
Add 1 Constraint		
	- 60	

# Posición y tamaño



# Explorador de propiedades

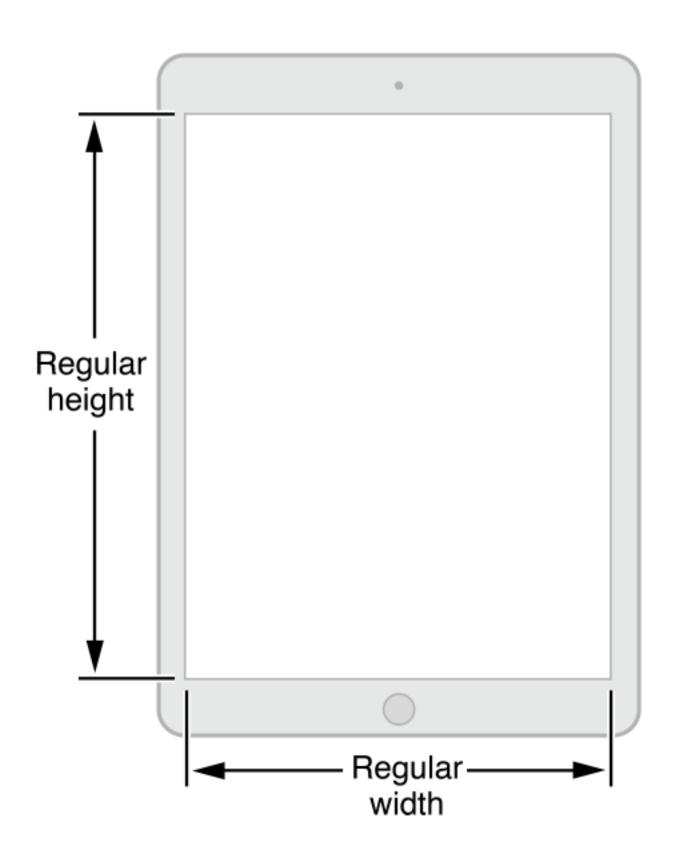


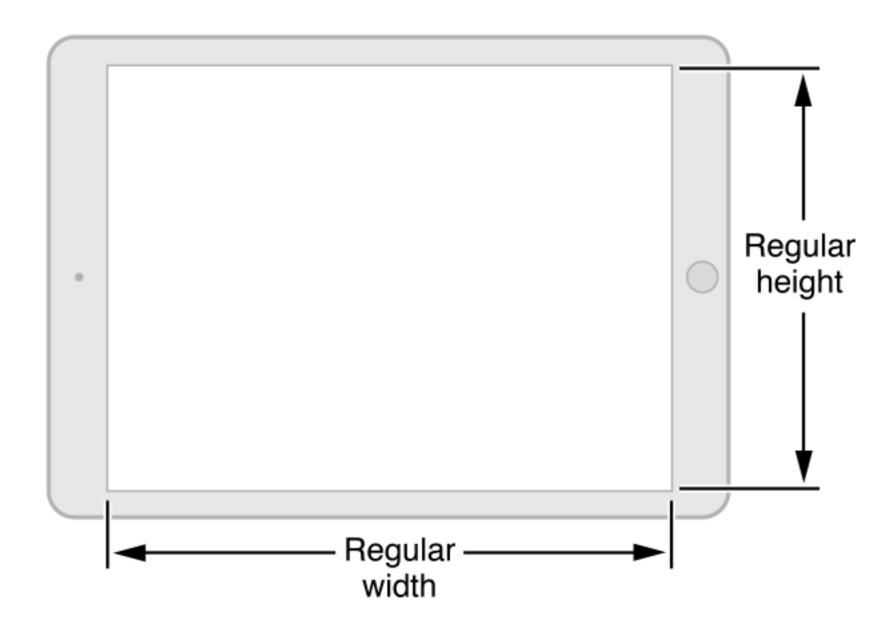
#### Variantes del interfaz

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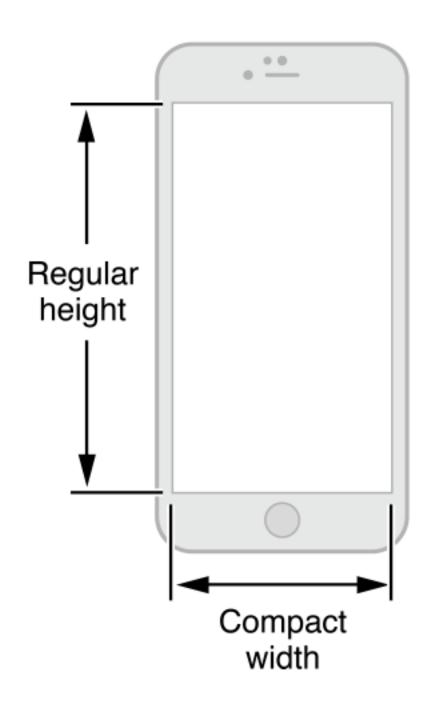
- Permiten crear diferentes conjuntos de reglas para diferentes resoluciones de pantalla
- Se basa en agrupar los diferentes dispositivos en size classes

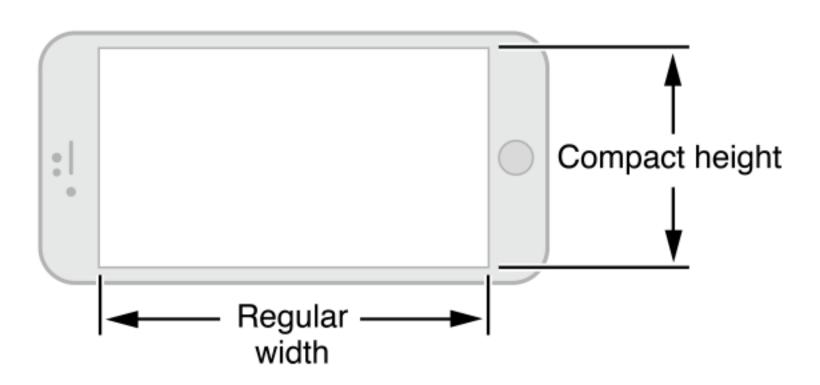
# iPad



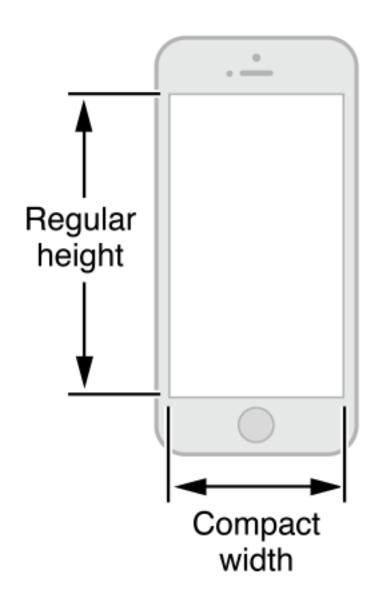


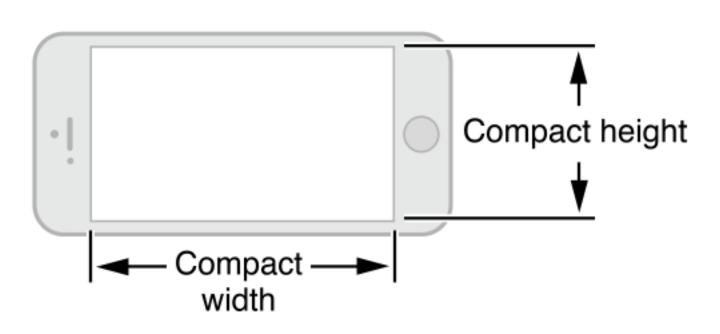
#### iPhone 6 Plus





### iPhone 6, 5, 4S

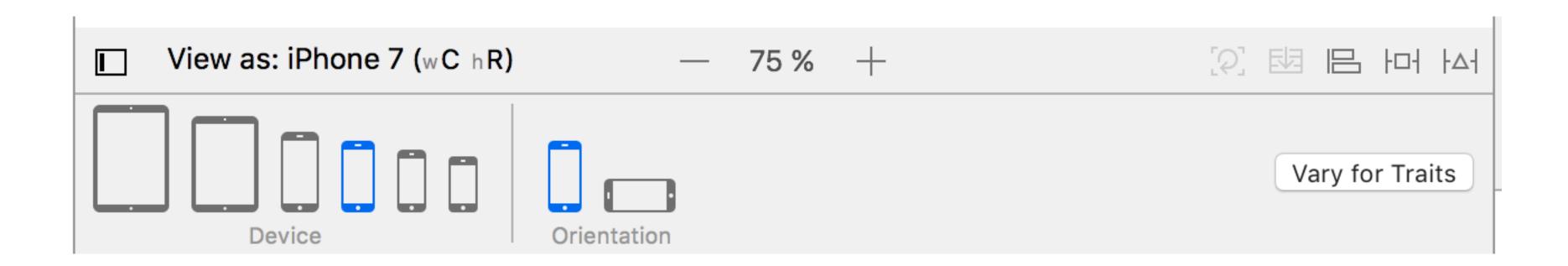


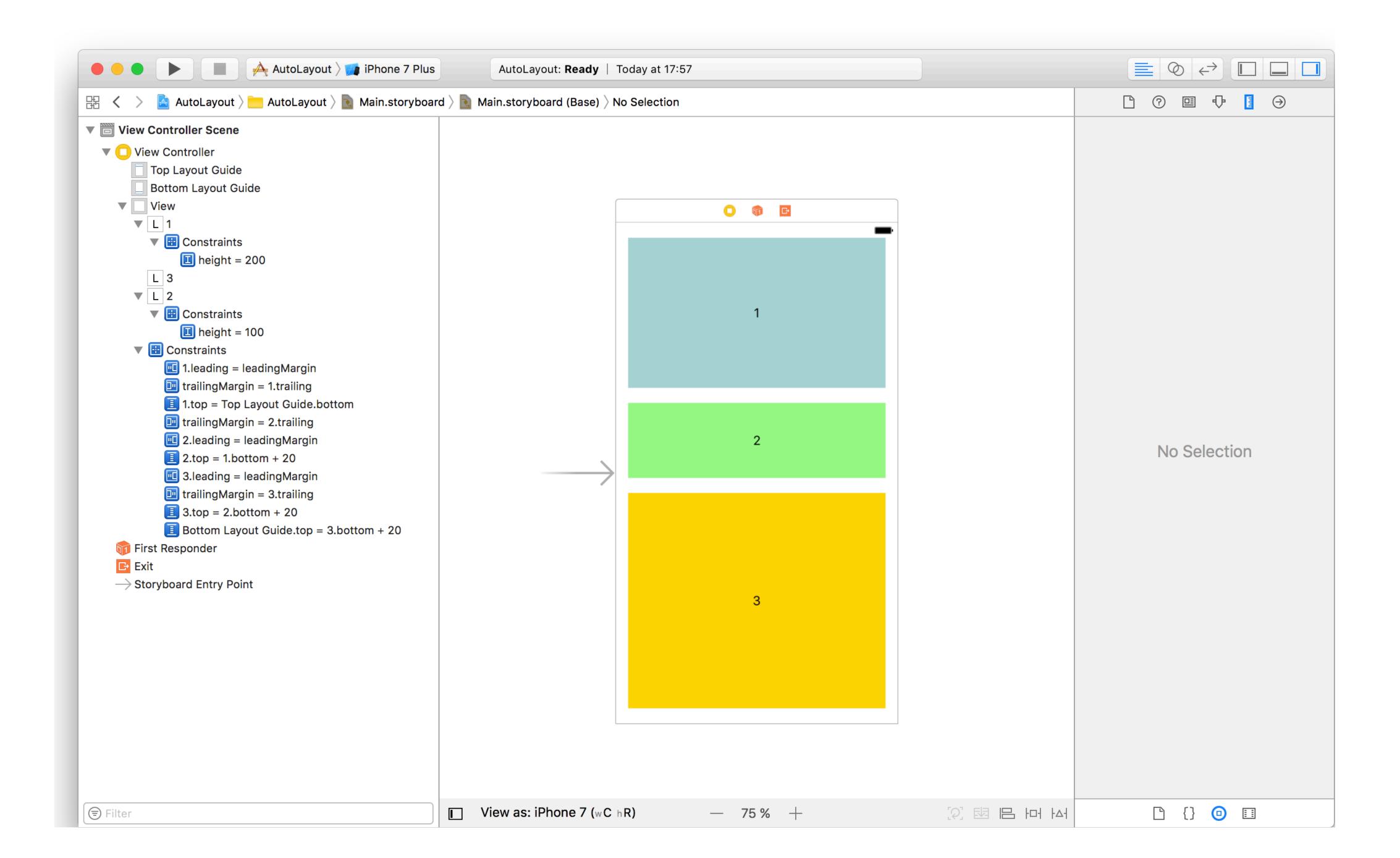


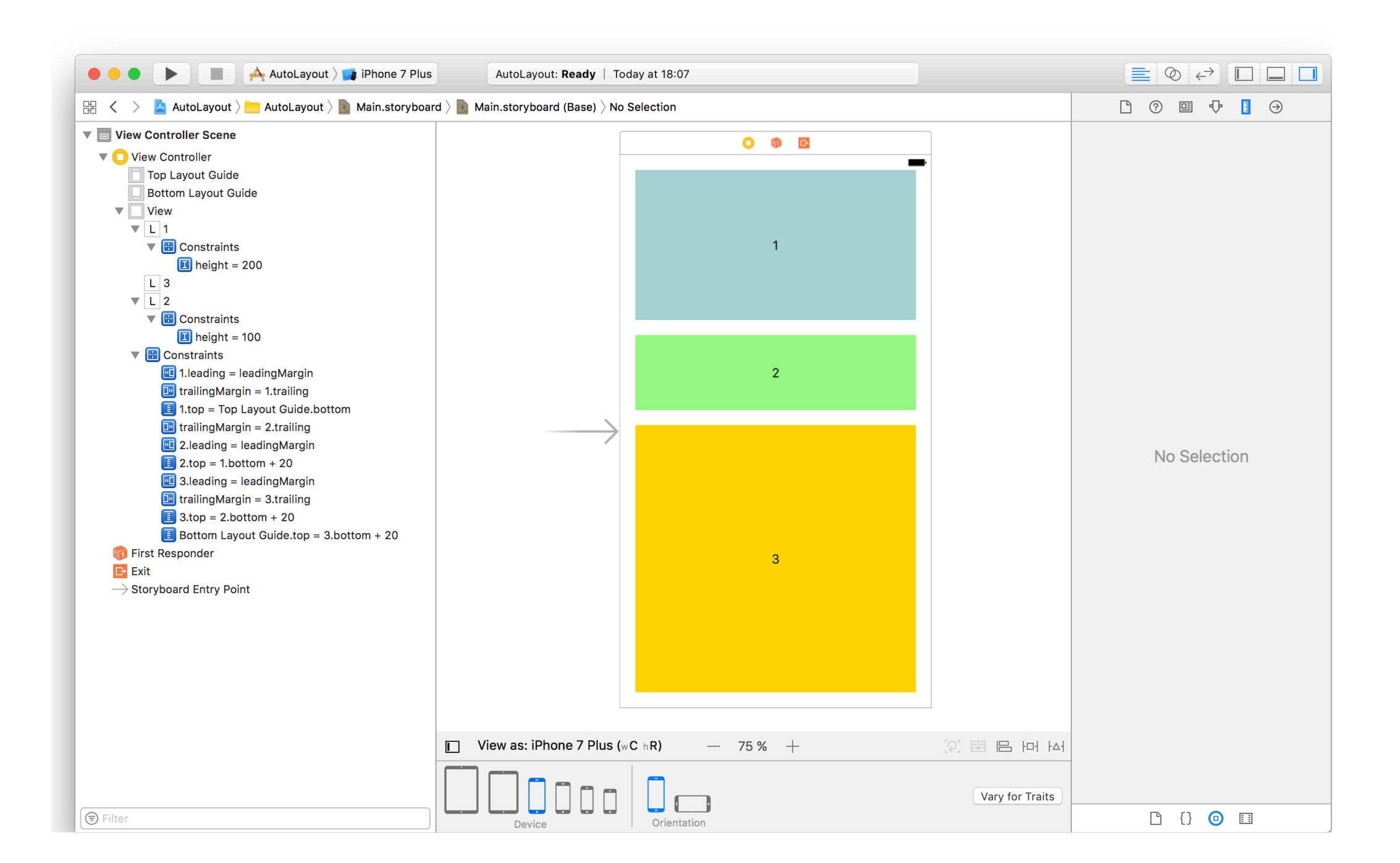
#### Creando variantes del interfaz

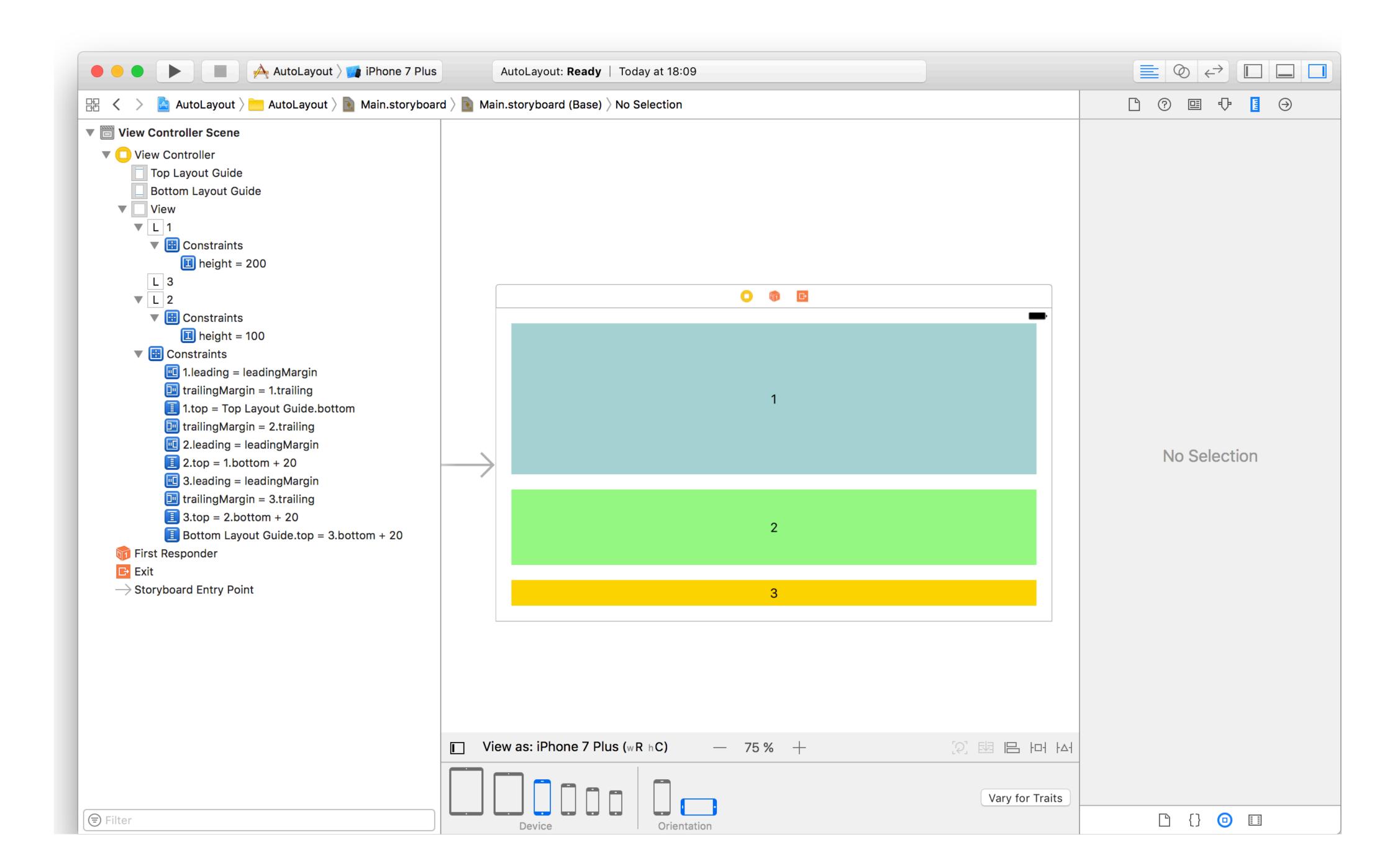
- Primero diseñamos el interfaz en la orientación principal
- Usando los controles, seleccionamos la orientación para la que vamos a crear la variación
- Las modificaciones que hagamos se aplicarán sólo a esa size class

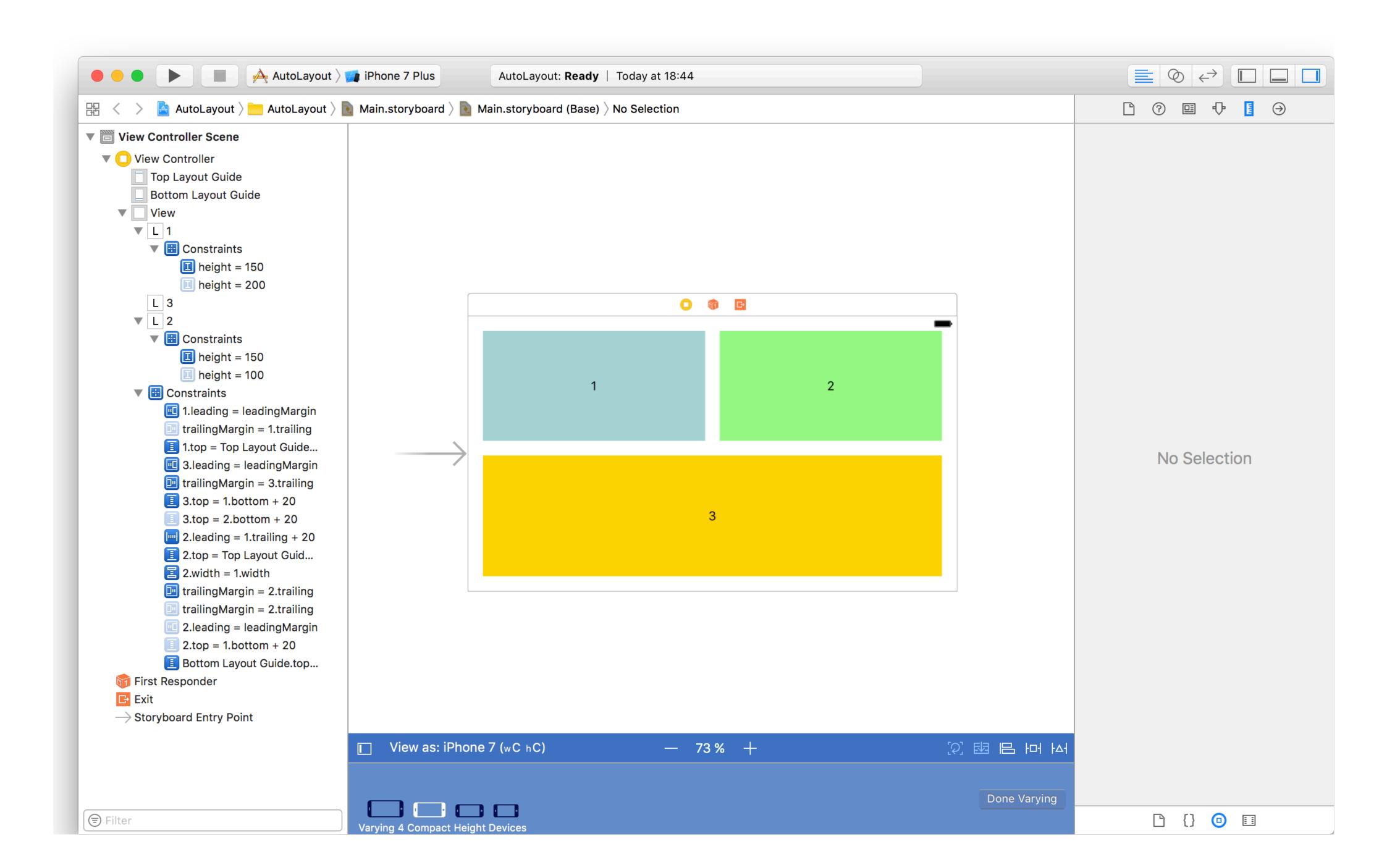
# Controles principales

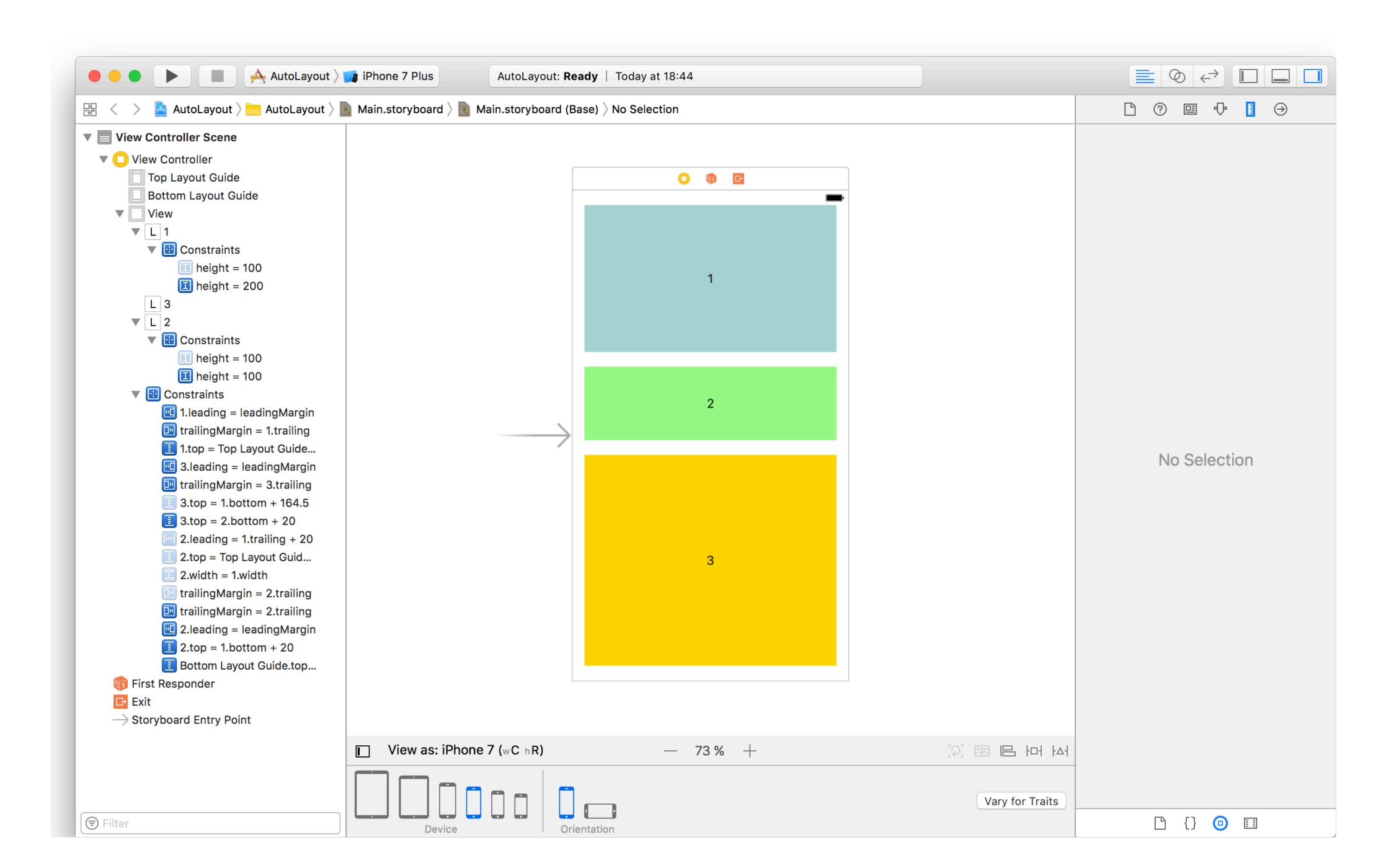












すべての質問は?

Any questions?

Galderarik?

# ¿Alguna pregunta?

任何問題?

Alguma pergunta?

أي أسئلة؟

질문 있나요?