

Programando para a nova



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tvOS

# Frameworks disponíveis\*

Accelerate	GameplayKit
AudioToolbox	GLKit
AudioUnit	ImageIO
AVFoundation	MachO
AVKit	MediaAccessibility
CFNetwork	MediaPlayer
CloudKit	MediaToolbox
CoreBluetooth	Metal
CoreData	MetalKit
CoreFoundation	MetalPerformanceShaders
CoreGraphics	MobileCoreServices
CoreImage	ModelIO
CoreLocation	OpenGL ES
CoreMedia	QuartzCore
CoreSpotlight	SceneKit
CoreText	Security
CoreVideo	SpriteKit
Darwin	StoreKit
Foundation	Swift Standard Library
GameController	SystemConfiguration
GameKit	UIKit

The logo for tvOS, featuring the word "tvOS" in a stylized font where each letter has a different color gradient from purple to red.

Frameworks disponíveis\*

Accelerate	GameplayKit
AudioToolbox	GLKit
AudioUnit	ImageIO
AVFoundation	MachO

AVKit AVFAudio

tvOS

Nem todos os frameworks são  
suportados por completo  
**TVOS PROHIBITED**

CoreMedia	QuartzCore
CoreSpotlight	SceneKit
CoreText	Security
CoreVideo	SpriteKit
Darwin	StoreKit
Foundation	Swift Standard Library
GameController	SystemConfiguration
GameKit	



# On-Demand Resources

## iCloud Storage



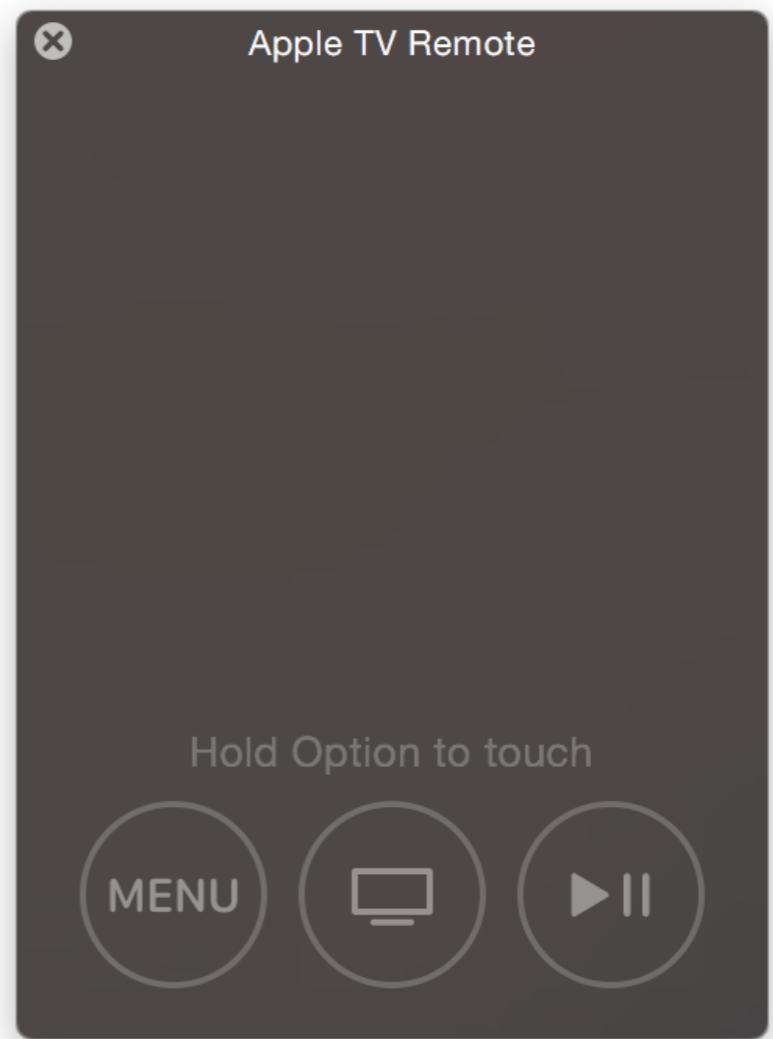


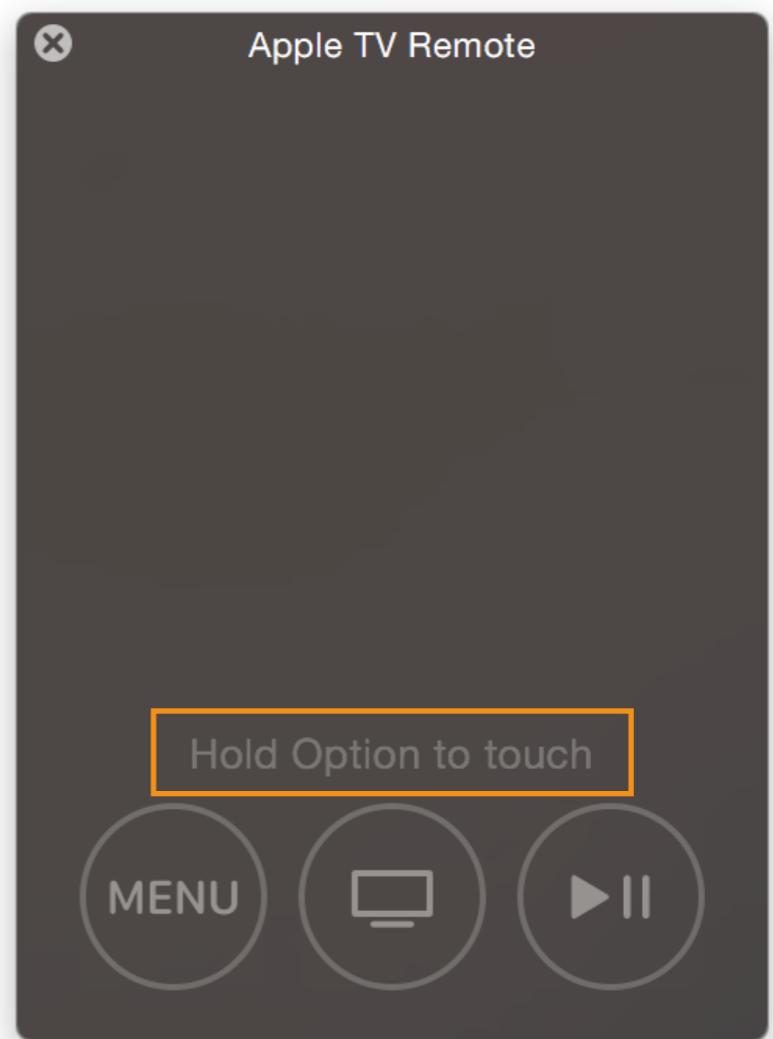






Swipe  
Click  
Tap



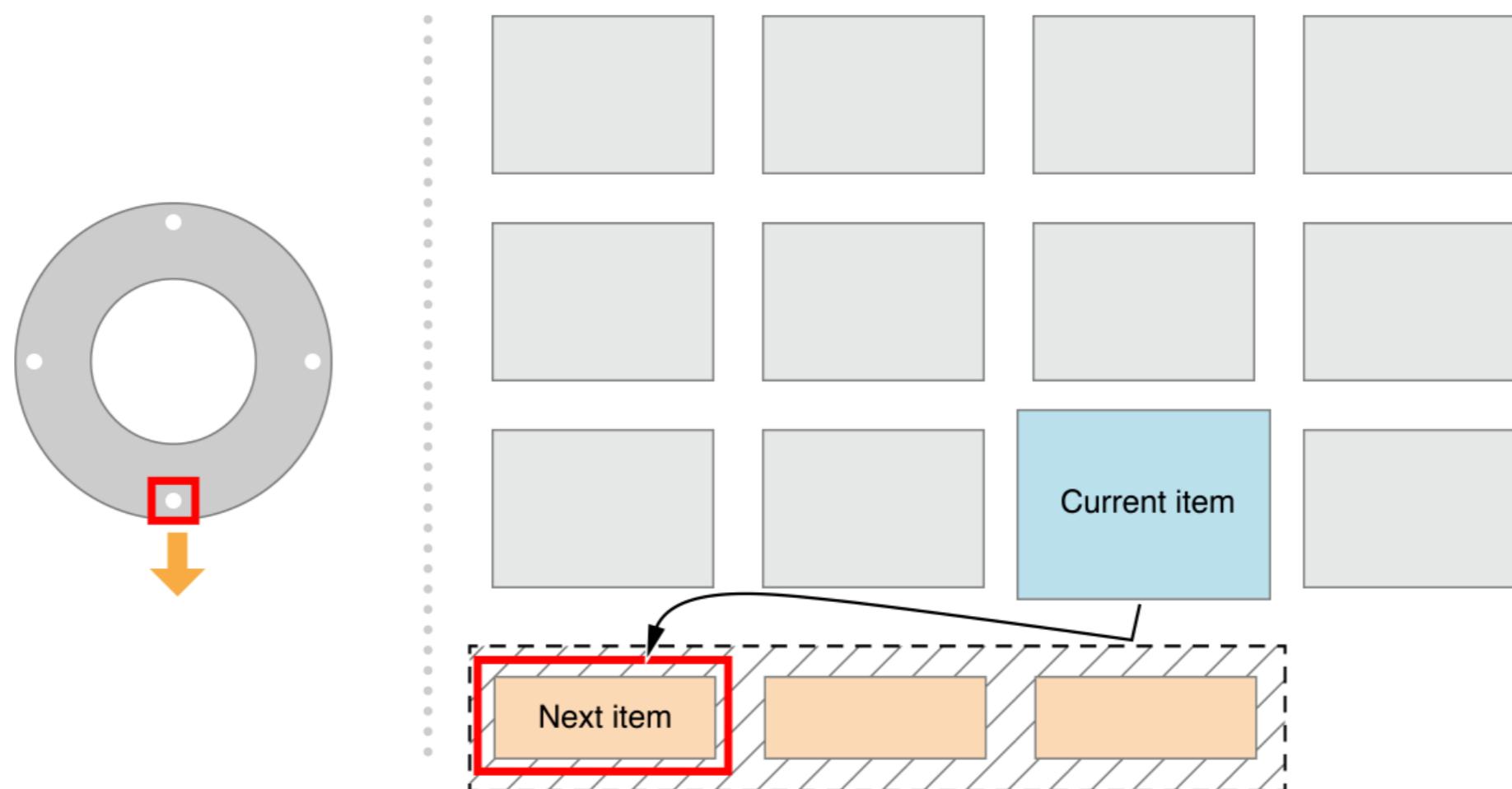


**Design based on tap**

Focus, not tax

# Focus

# Focus



**Will Ferrell**

Born Jul 16, 1967 in Irvine, California  
John William "Will" Ferrell (born July 16, 1967) is an American actor, comedian, producer, and writer. He first established himself in the mid-1990s as a cast member on the NBC sketch comedy show Saturday Night Live. [More](#) [Wikipedia](#)

Movies

Produced

Elf  
Step Brothers  
Get Hard  
Anchorman  
Zoolander

**Viewers Also Watched**

Trailers

Trailer

Reviews & Ratings

4.0 / 5 ★★★★☆ 17+ Common Sense 88% Tomatometer NPR Chicago Sun

This is a nutty film.

# GONE GIRL

DIRECTOR David Fincher  
STARRING Ben Affleck, Rosamund Pike, Neil Patrick Harris, Tyler Perry

88% ✓17+ 2 hr 29 min Drama 2014 [Watch](#)

Directed by David Fincher and based on Gillian Flynn's bestseller, this engaging thriller reveals secrets of a modern marriage. On his fifth wedding anniversary, Nick Dunne (Ben Affleck) reports his beautiful wife Amy (Rosamund Pike) missing. Amidst a media frenzy and pressure from th... [MORE](#)

Preview Play Wish List

**Viewers Also Watched**

**Top Movies**

EXTENDED EDITION

Here's the roster for the Giants.

**Top Movies**

EXTENDED EDITION

NASDAQ Composite was down 1.36% last Friday, at 4,827.23.  
NASDAQ 4,827.23 (1.36%) -66.72

Purchased Top Movies Wish List Genres Recommended Search

\$9.99 IN HD: Book Adaptations

Recent Discoveries

DOCUMENTARY: 99¢ RENTALS MOVIES JUST ADDED MOVIEBUNDLES

**Top Movies**

movies iTunes tv shows iTunes

0:07 - 3:07

SF

Here's the roster for the Giants.

Gregor Blanco #7 Center Fielder, San Francisco Giants

BIO	TOTALS	HITS	AVG	RUNS	K & BB	STOLEN BASES
b. 12/24/83 Caracas, Venezuela 5' 11" 175 lb	115 GP 327 AB 95 H	19 2B 3 3B 5 HR	.291 AVG .368 OBP .413 SLG	59 R 26 RBI 59 K	40 BB 5 CS	13 SB

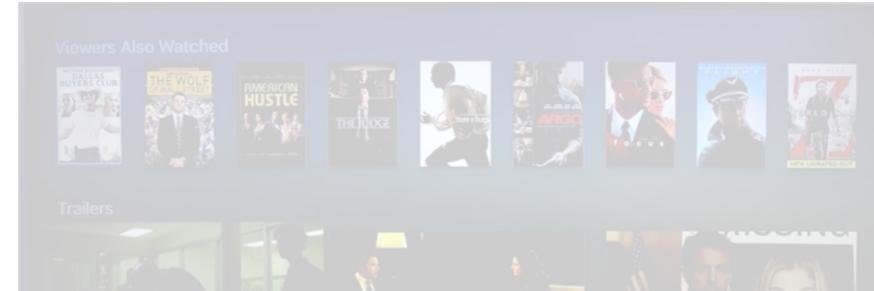
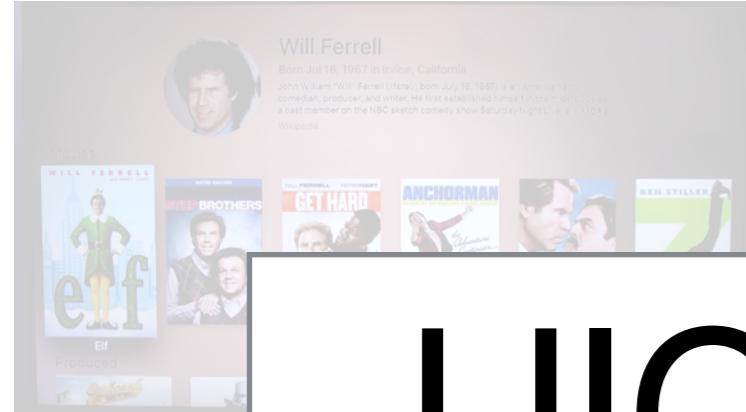
**Top Movies**

EXTENDED EDITION

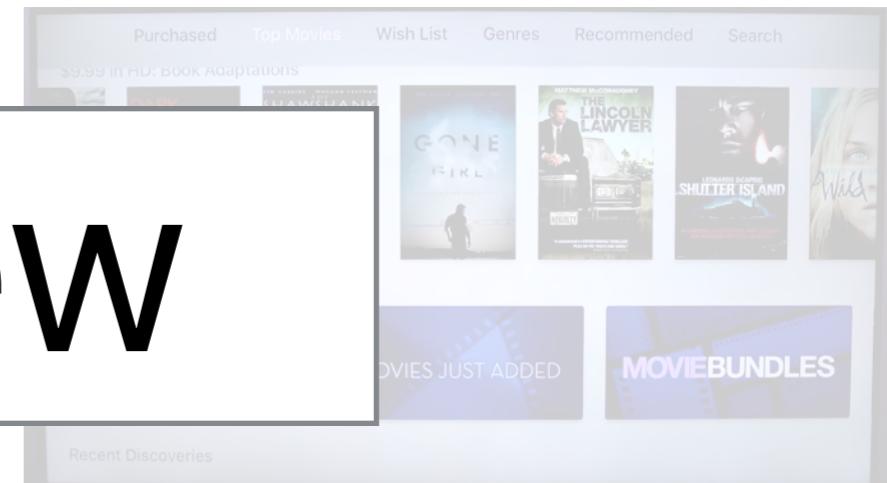
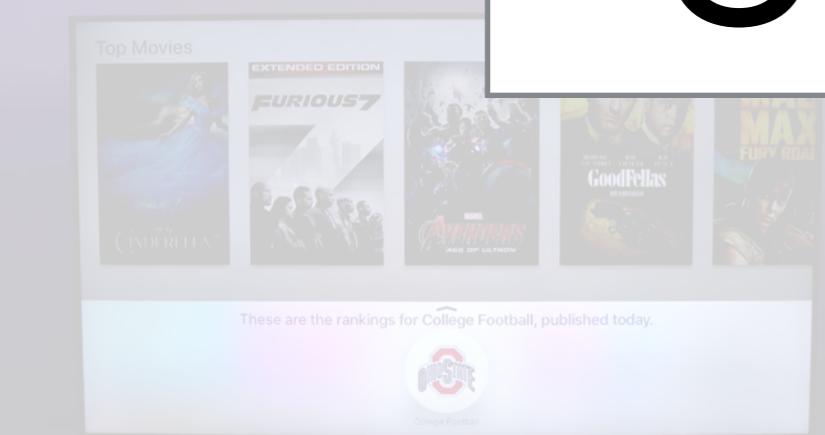
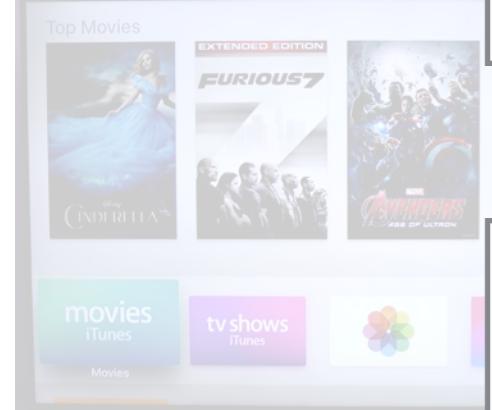
These are the rankings for College Football, published today.

College Football

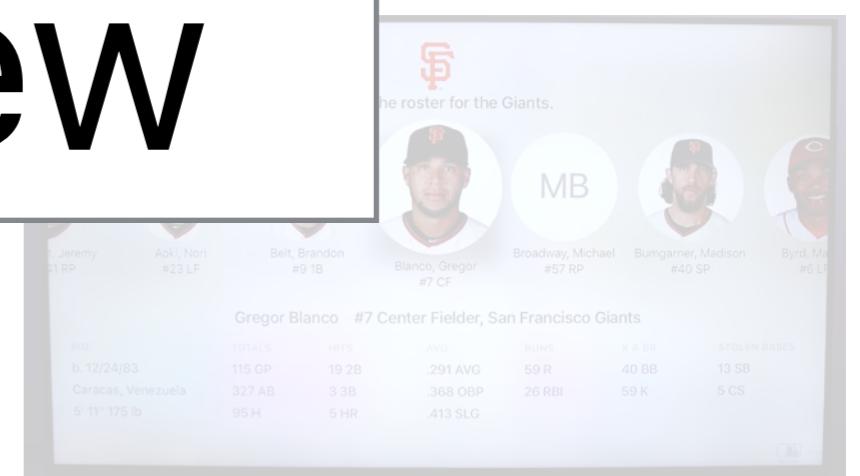
# UICollectionView



# UITableView



# UIStackView





# Focus engine

# Focus engine



protocol

**UIFocusEnvironment**

protocol

# UIFocusEnvironment



```
func setNeedsFocusUpdate()

weak var preferredFocusedView: UIView? { get }

func shouldUpdateFocusInContext(_ context: UIFocusUpdateContext) -> Bool

func didUpdateFocusInContext(_ context: UIFocusUpdateContext,
    onAnimationCoordinator coordinator: UIFocusAnimationCoordinator)
```

protocol

# UIFocusEnvironment

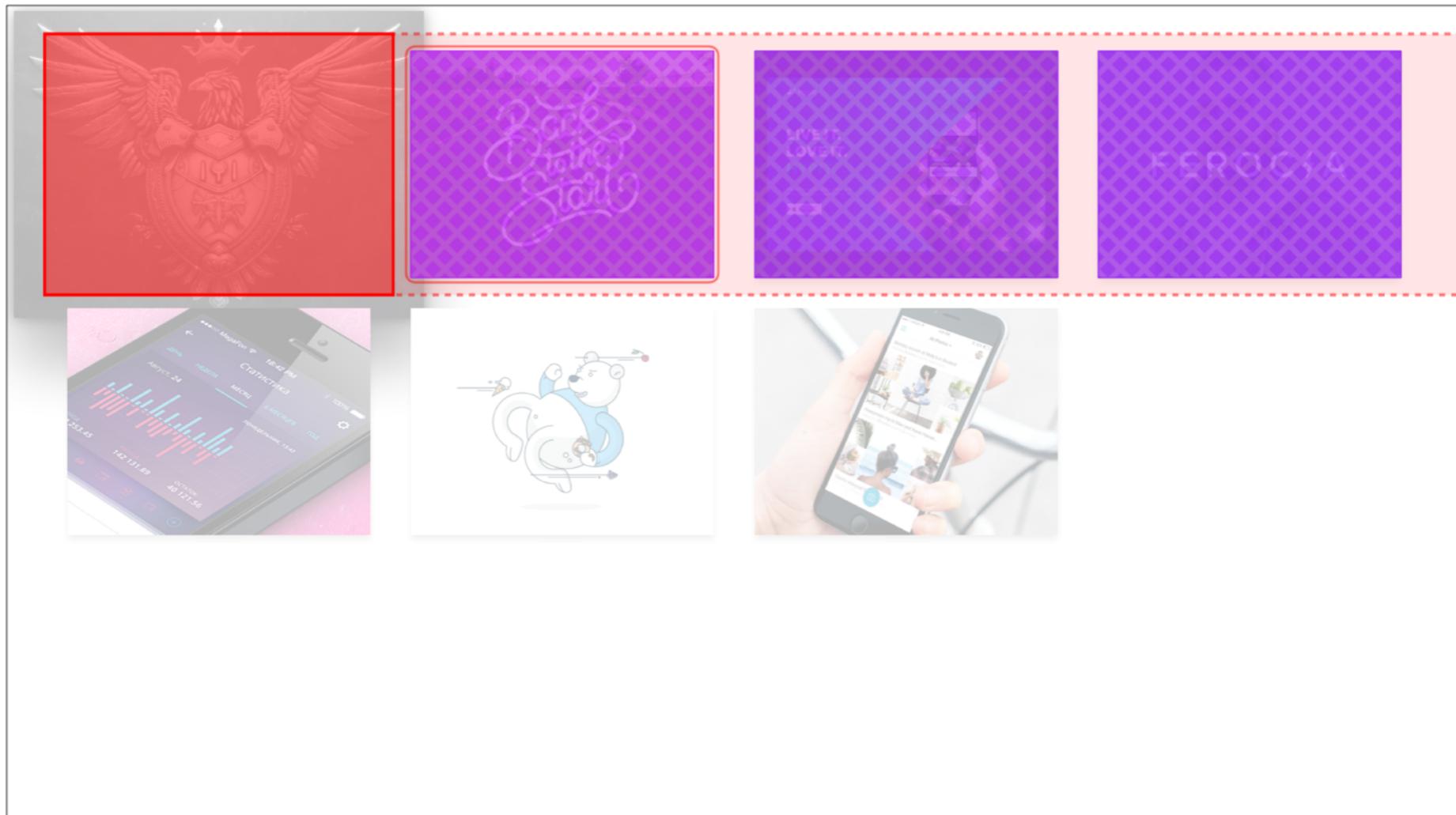


# Demo!!!

CollectionViewExample

protocol

# UIFocusEnvironment



# Demo!!!

CollectionViewExample

# Focus engine



## UIGestureRecognizer

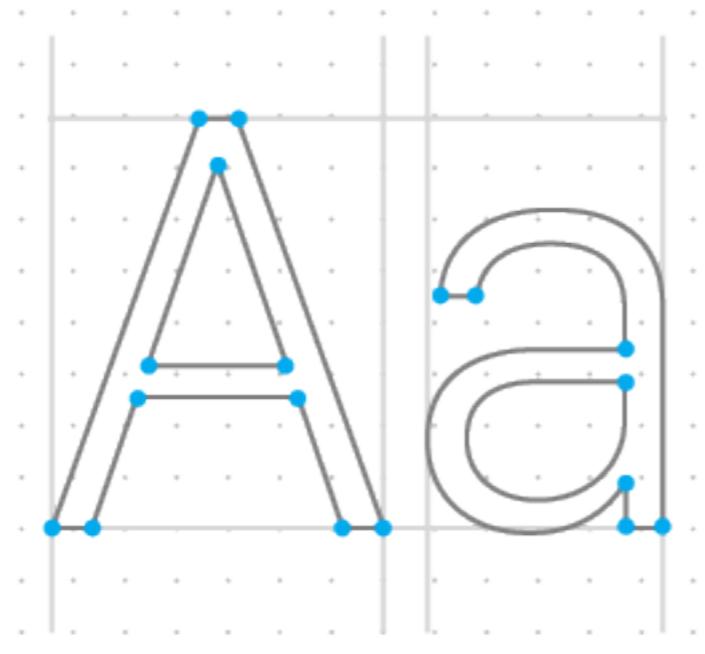
allowedPressTypes

# UIGestureRecognizer

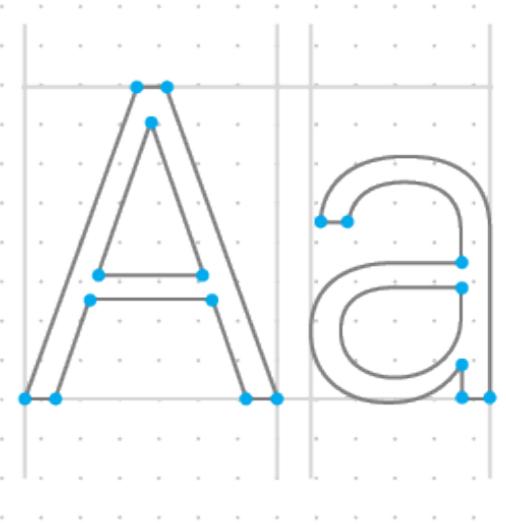


# Demo!!!

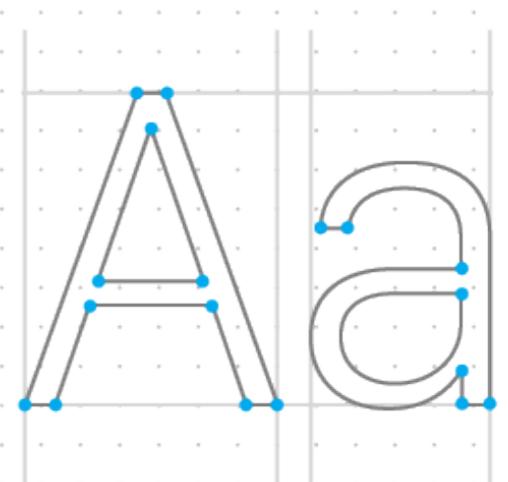
StepperDemo



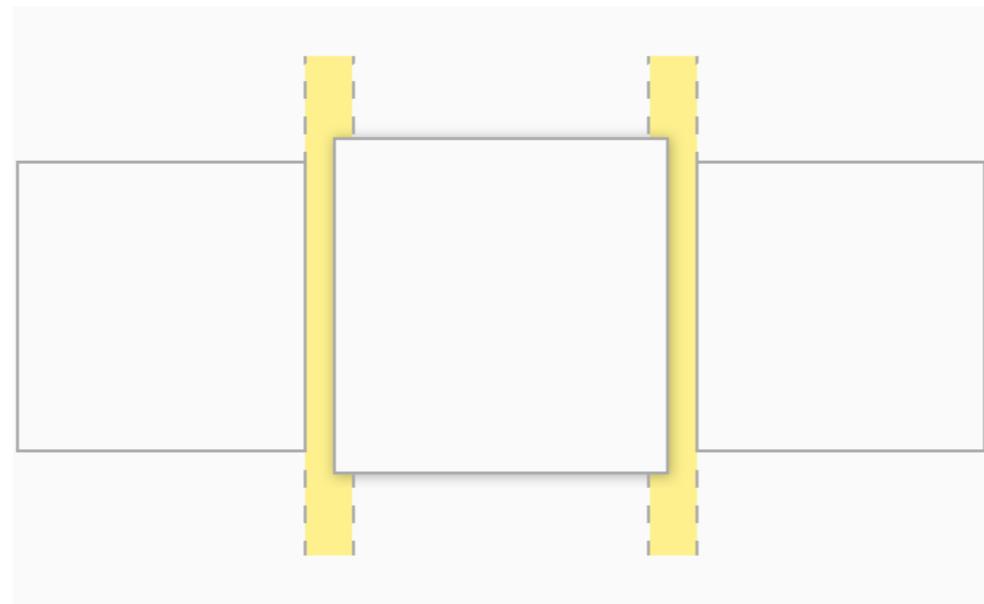
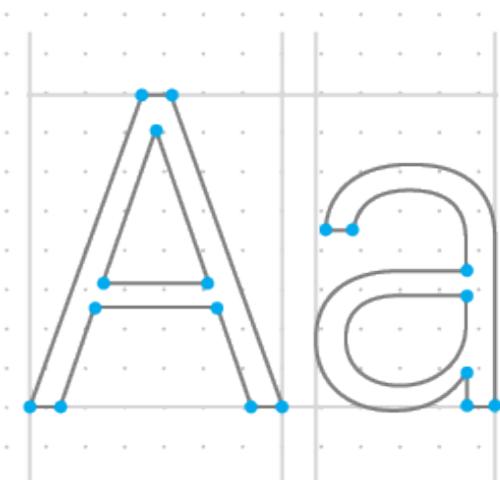
# Design



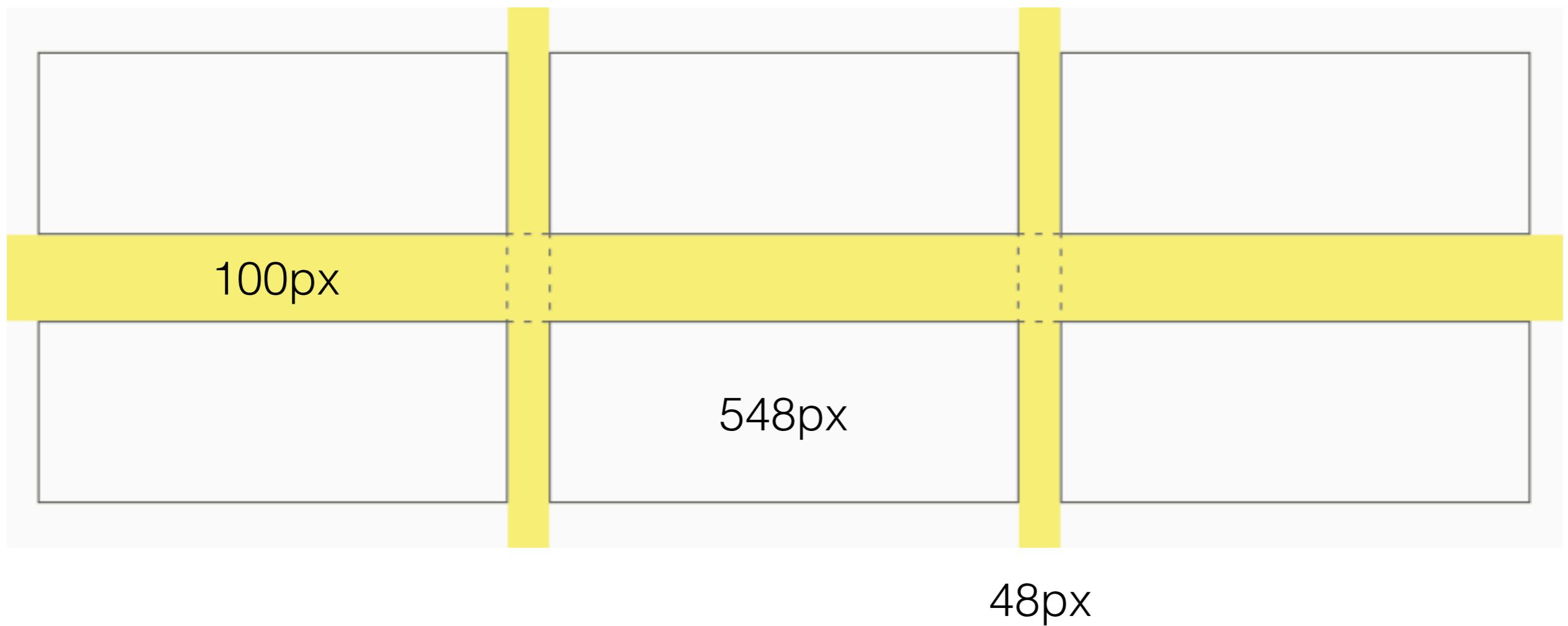
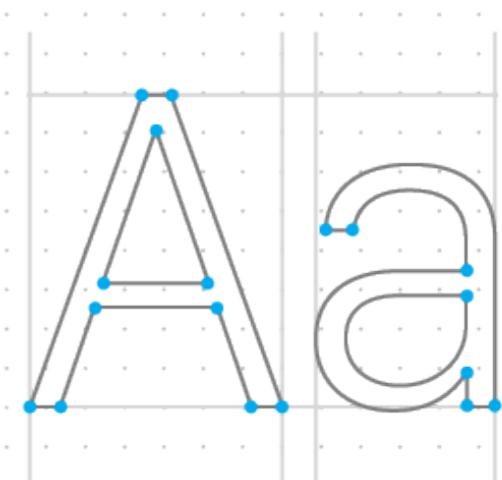
TopShelf

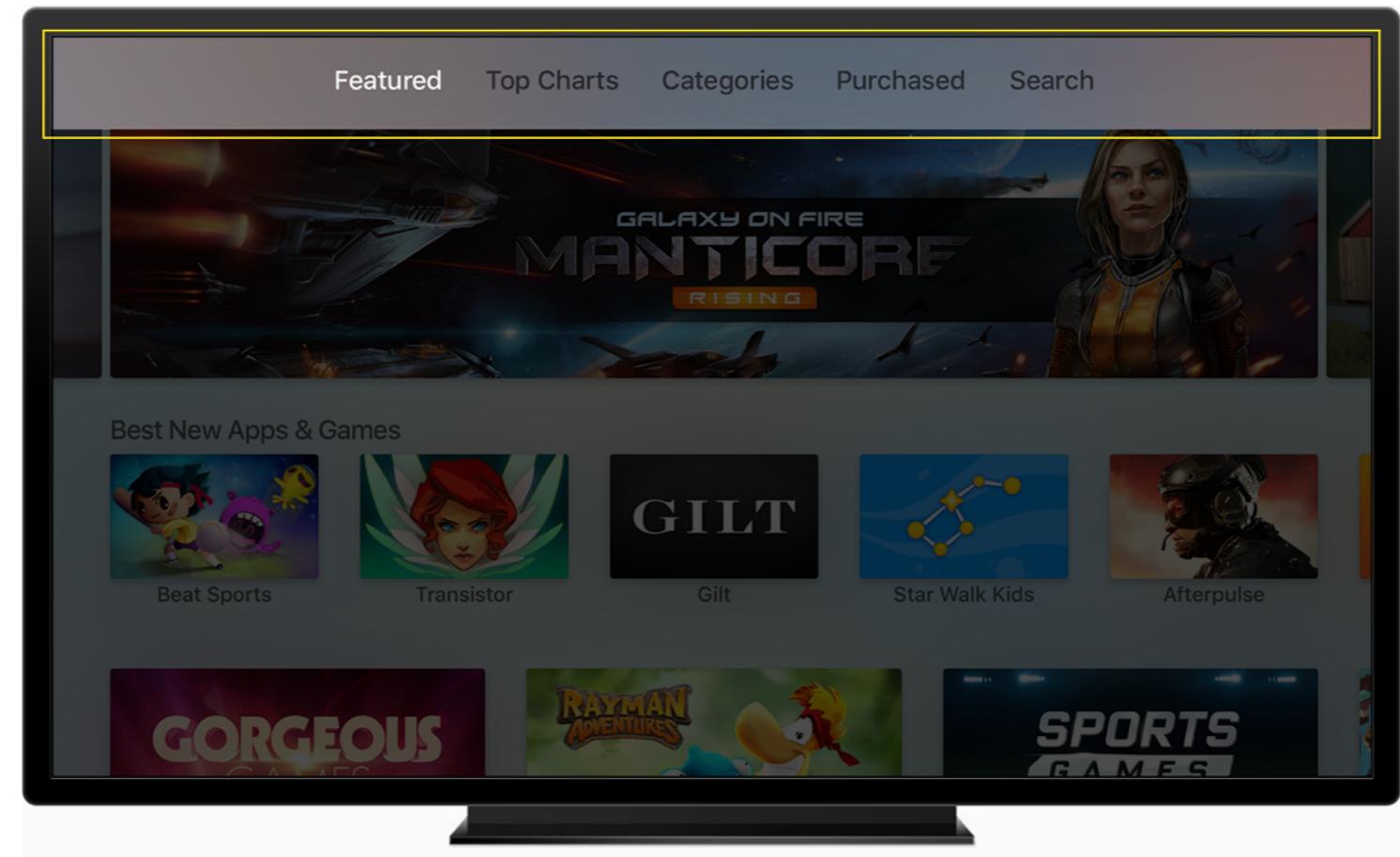
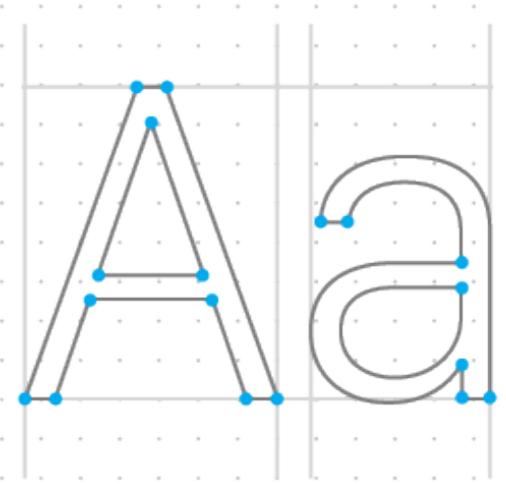


Mantenha o conteúdo longe das bordas

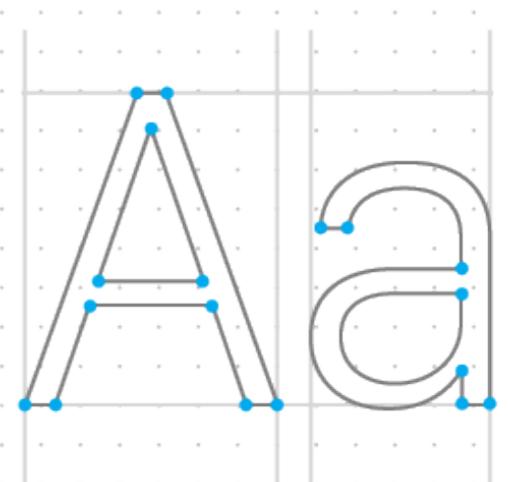


Garanta que haja borda suficiente entre os conteúdos  
De dicas que existem conteúdos fora da tela

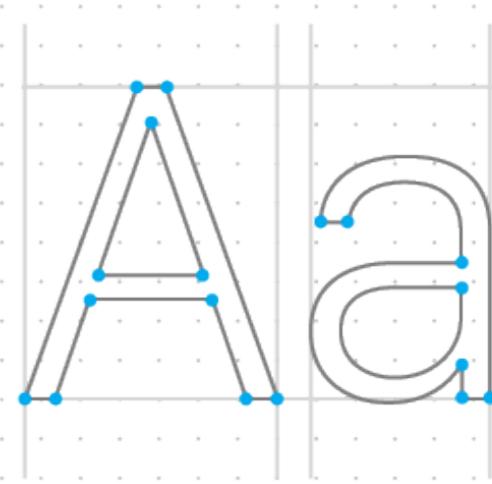




TabBar



TableView

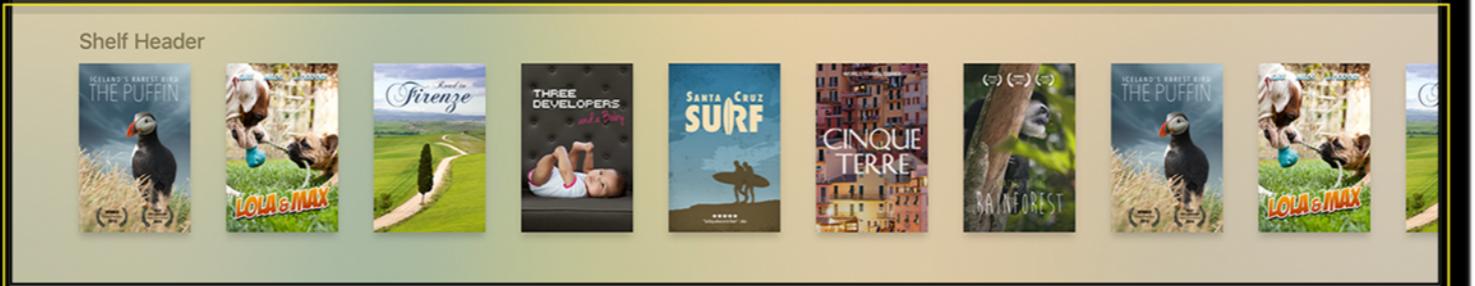


# Title

**HEADER**  
Lorem Ipsum  
Dolor Amet  
Pulvinar Augue

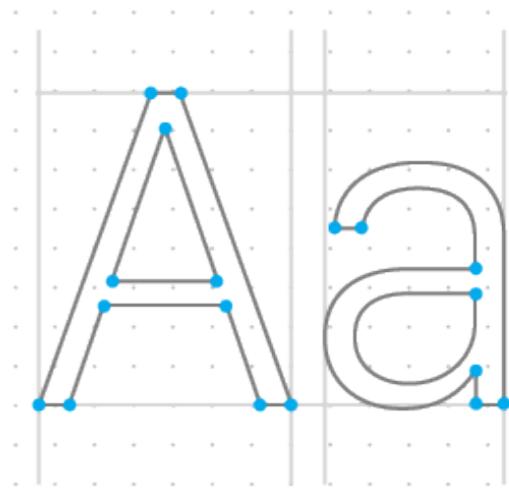
Pellentesque ultricies ex massa  
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate veli... [MORE](#)

   
Add Title 3

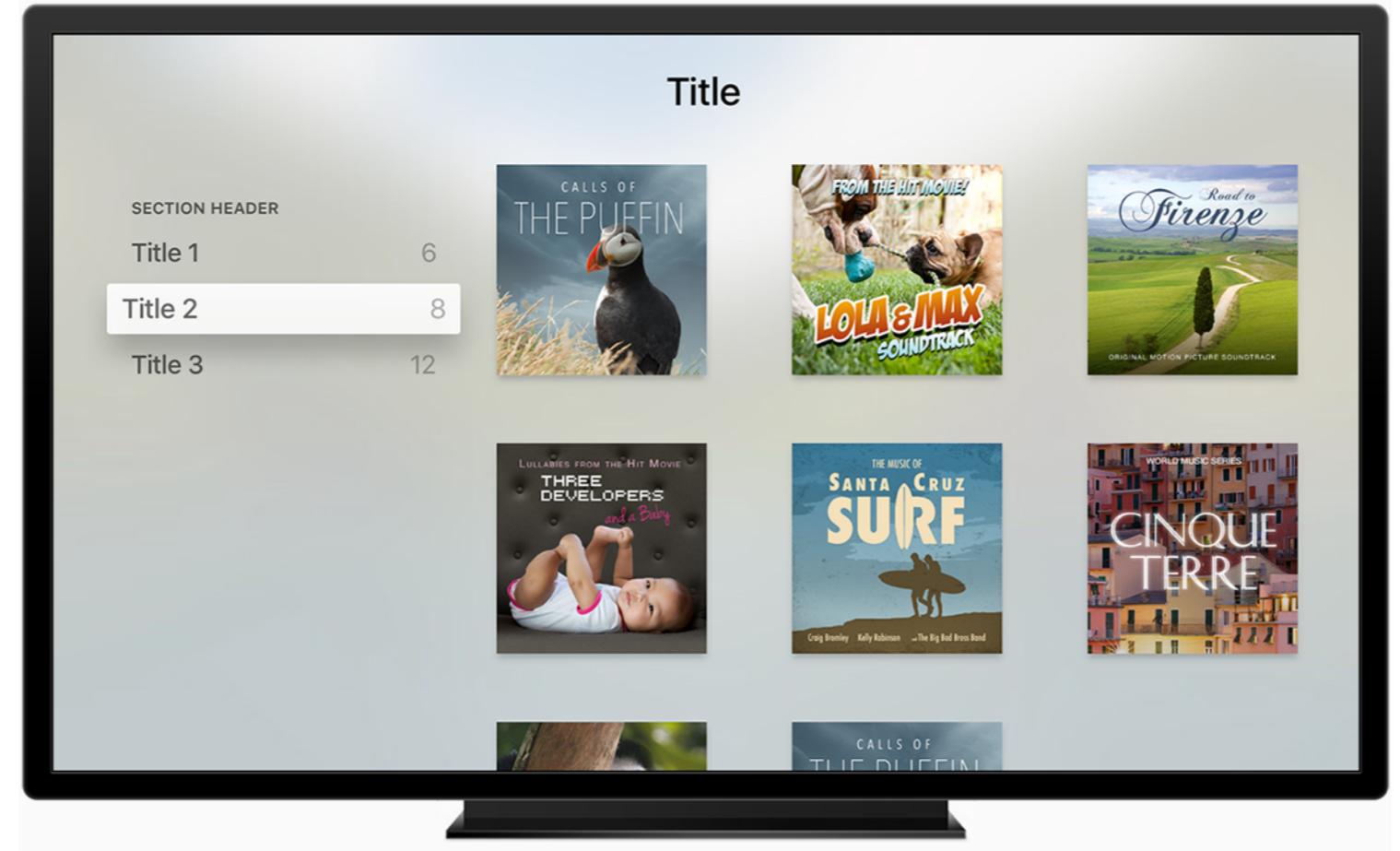
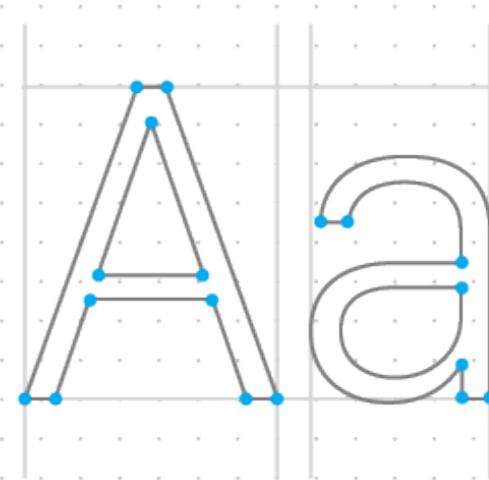


## CollectionView

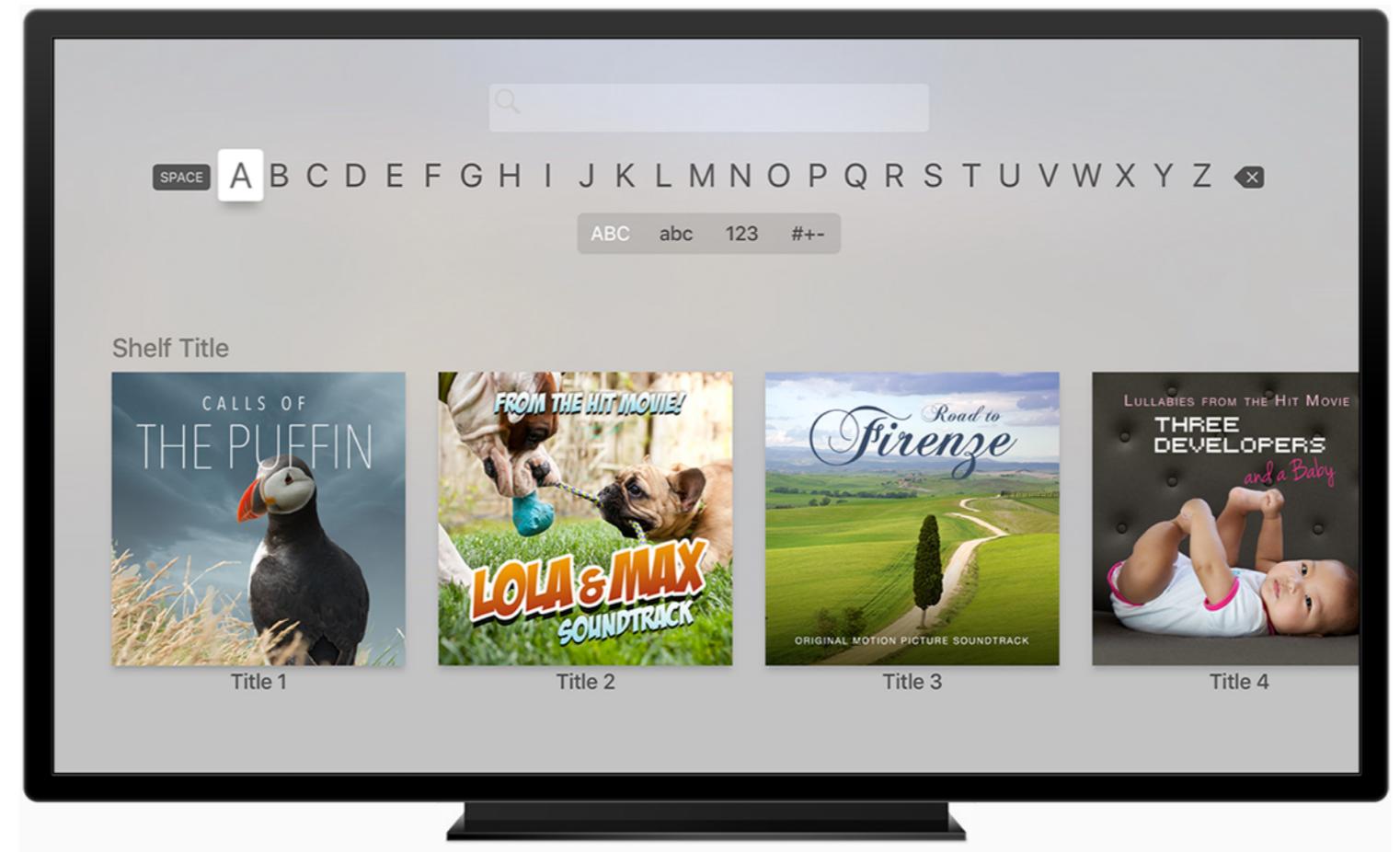
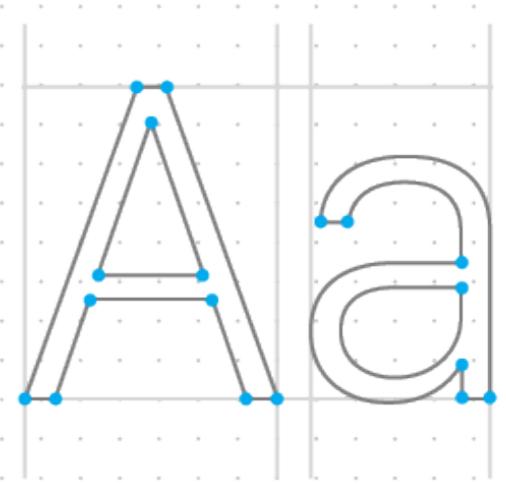
# CollectionView



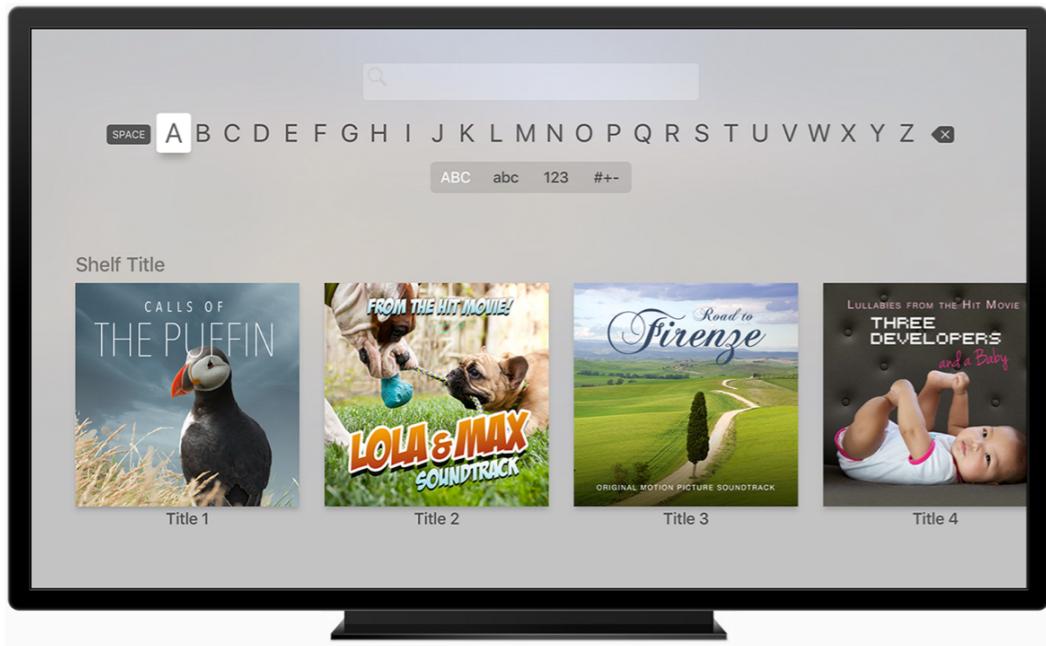
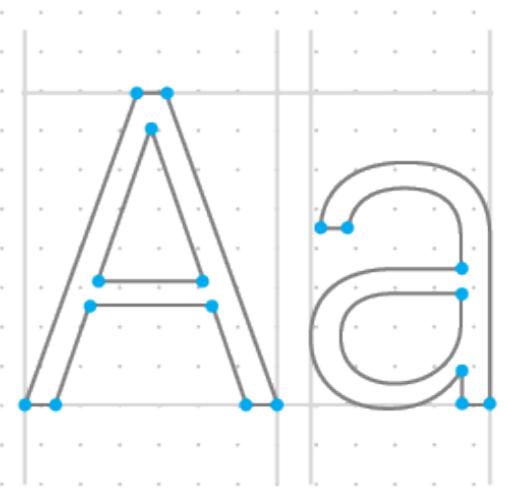
Prefira utilizar tableviews quando for  
exibir apenas textos



# SplitView

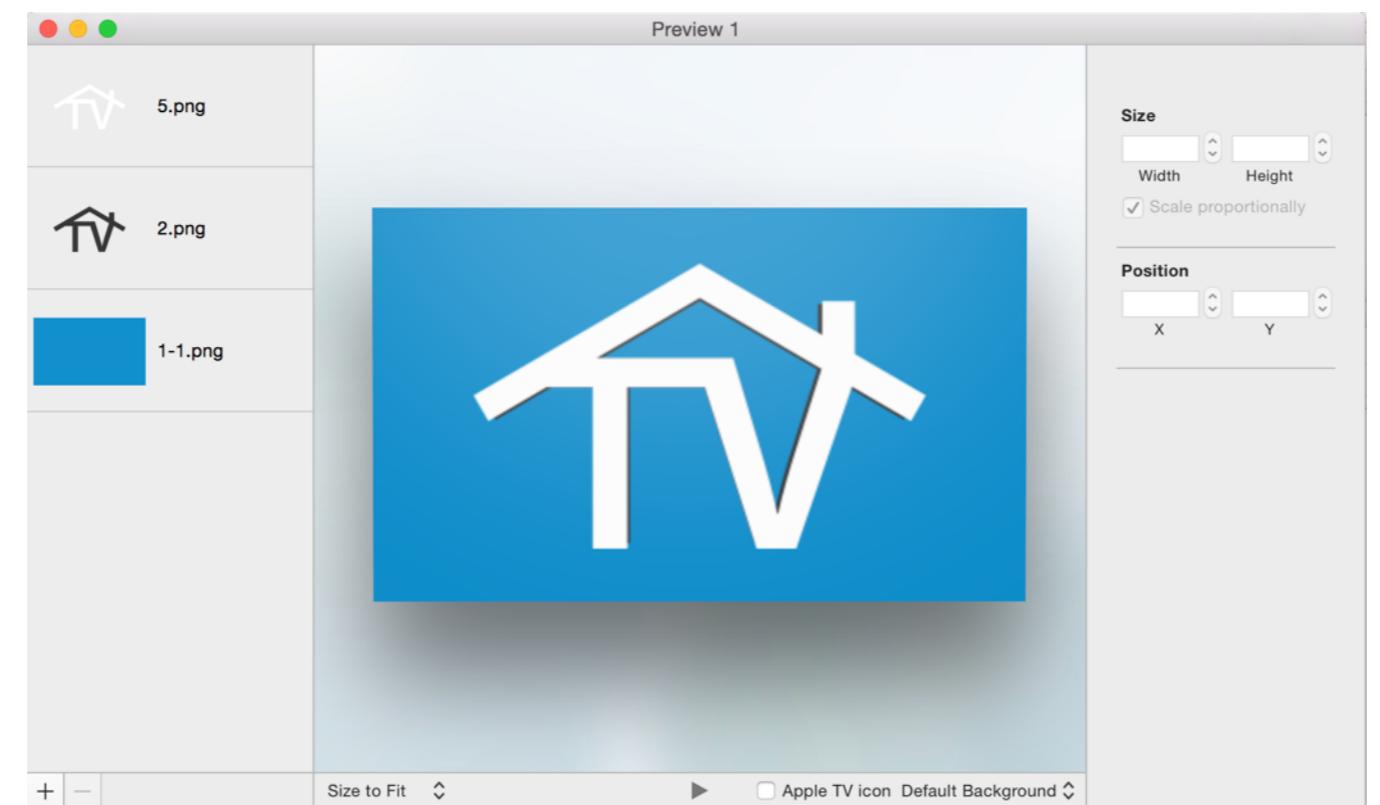
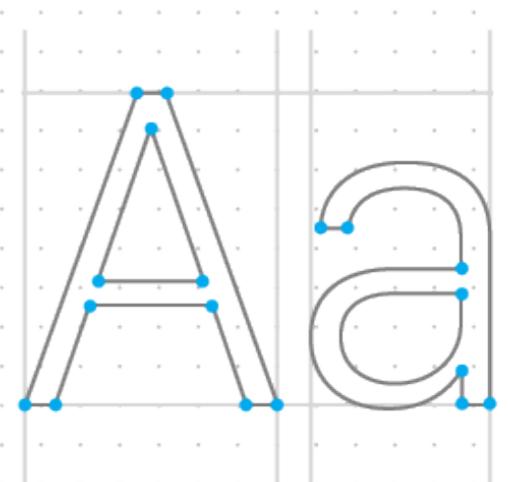


# Search

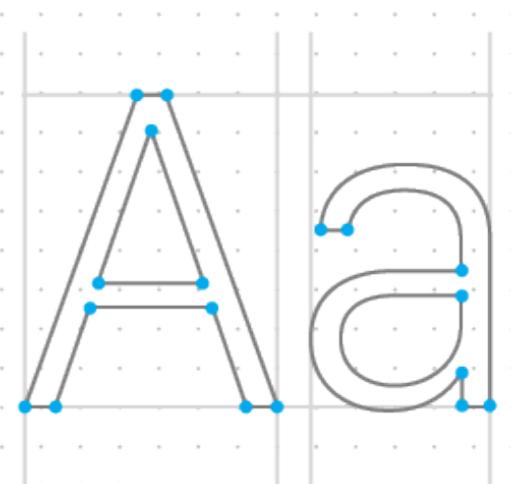


Search

# Demo!



# Parallax Icons



# Parallax Icons

# Perguntas?

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@bgondim



Obrigado