Leveraging Content Hugging and Compression Resistance

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Module Overview

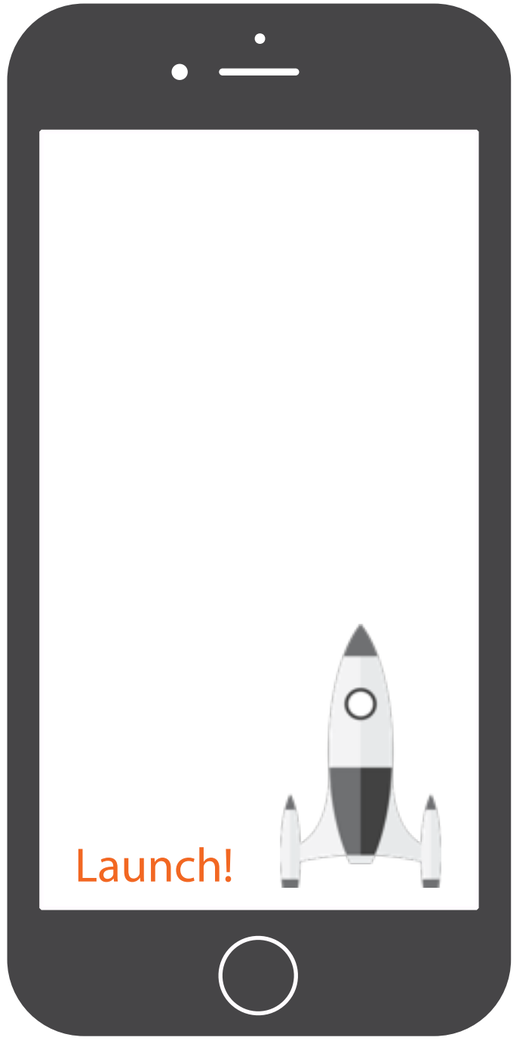
Content Hugging

Compression Resistance

Adjust in Code

Modify in Interface Builder

Content Hugging & Compression Resistance



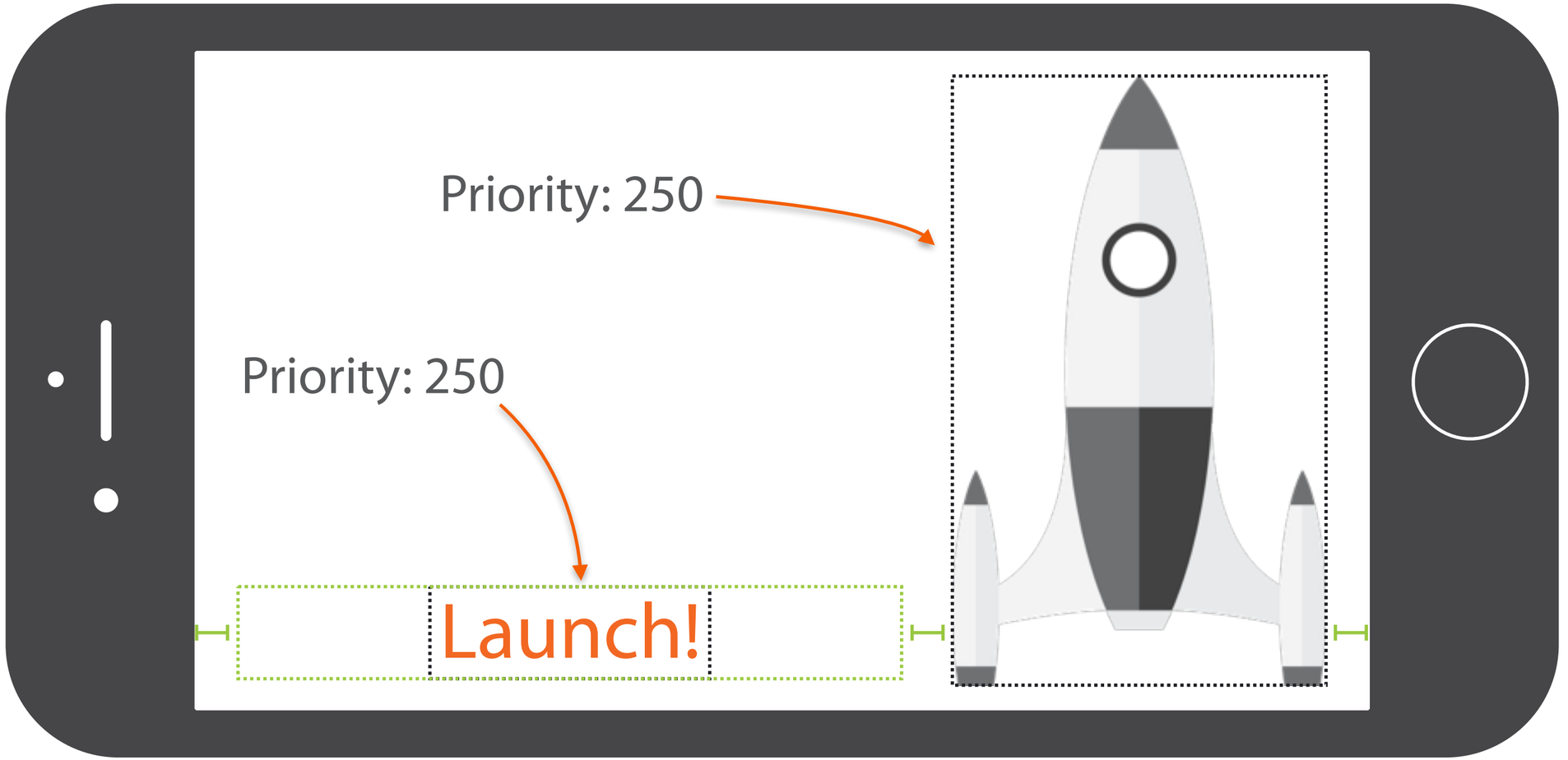
Extra Behaviors that you Control

Impacts Views with Intrinsic Content Size

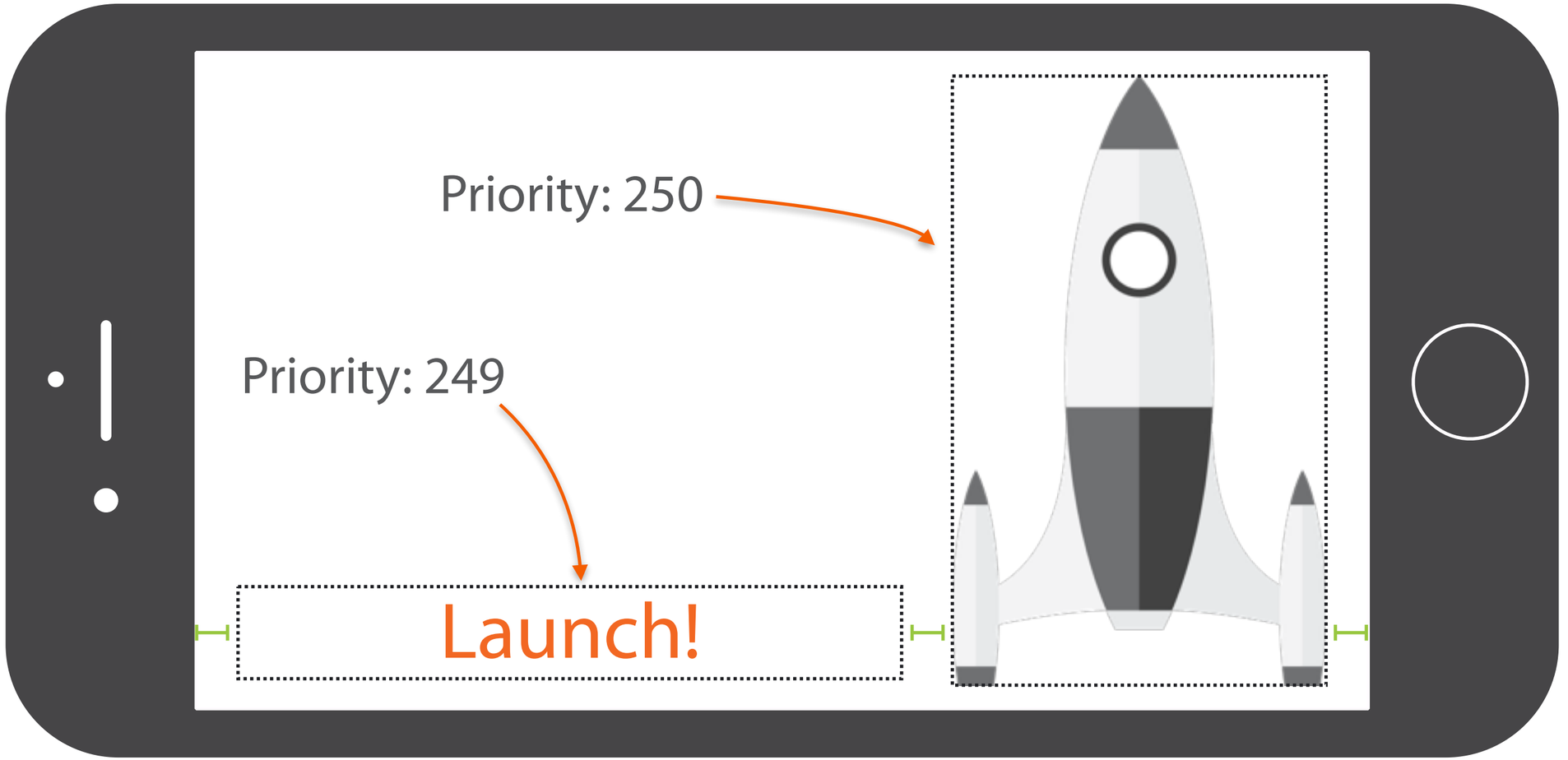
Defaults to Lower Priorities

Helps Resolve Ambiguity

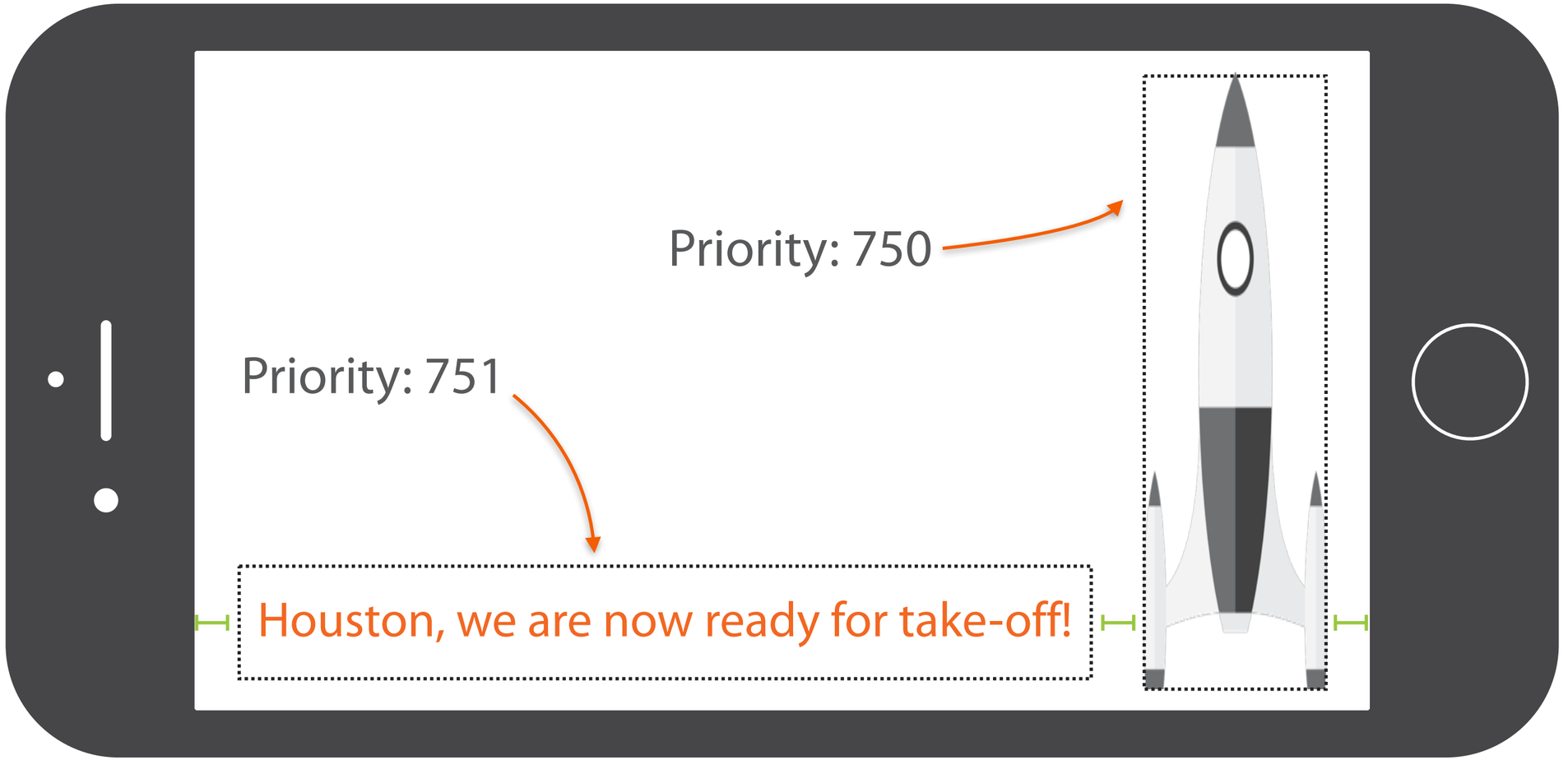
Content Hugging



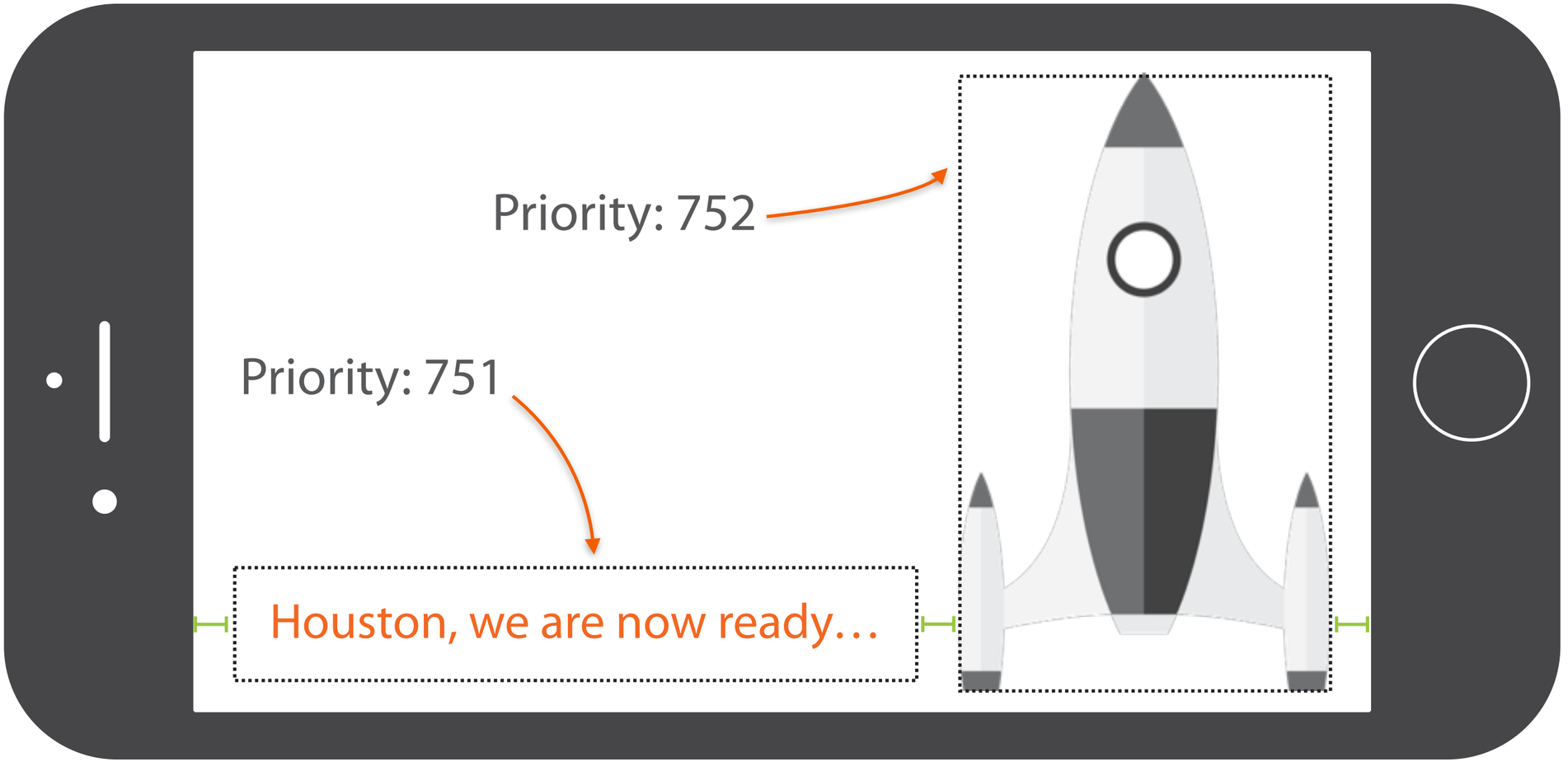
Content Hugging



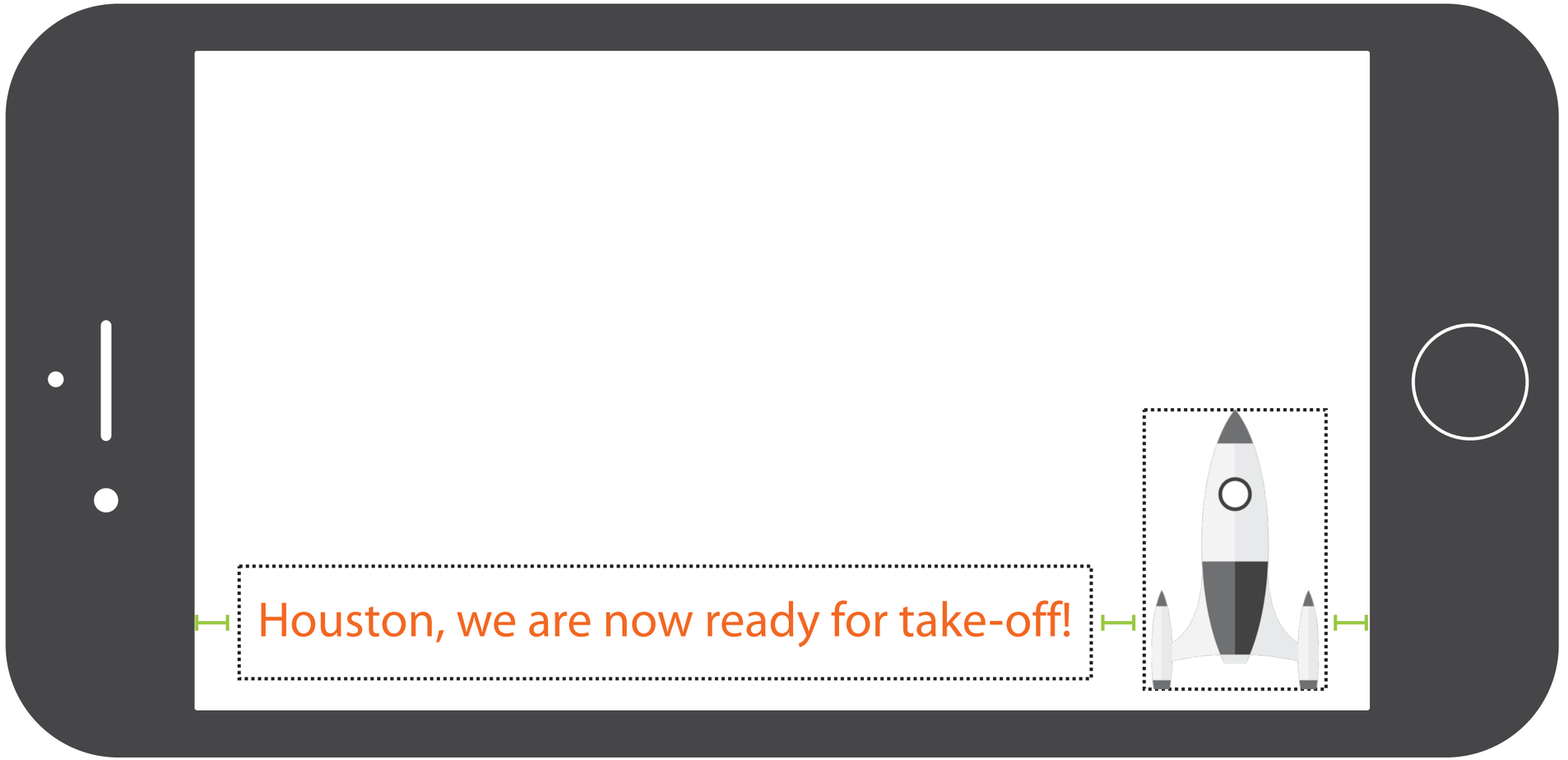
Compression Resistance



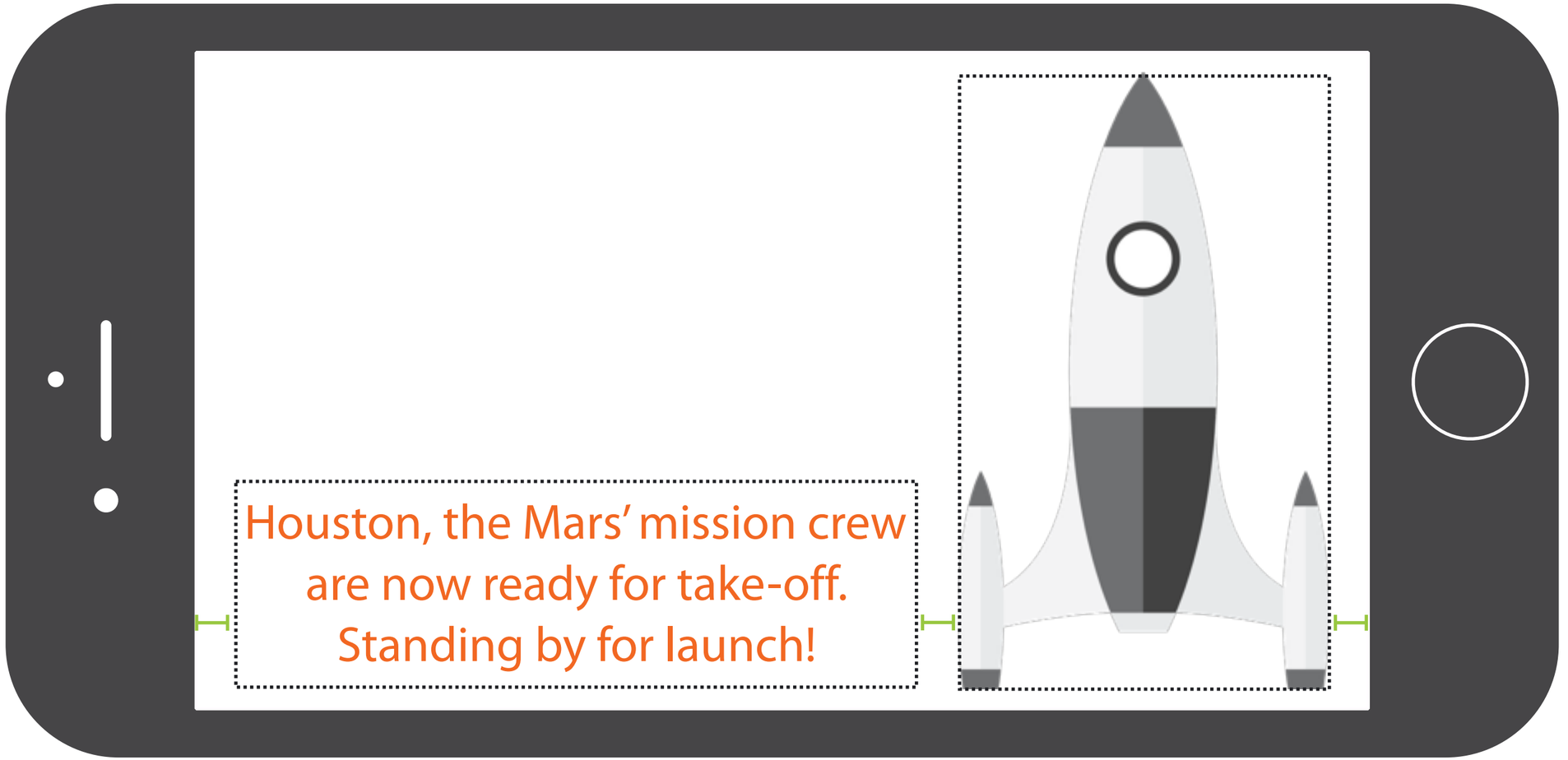
Compression Resistance



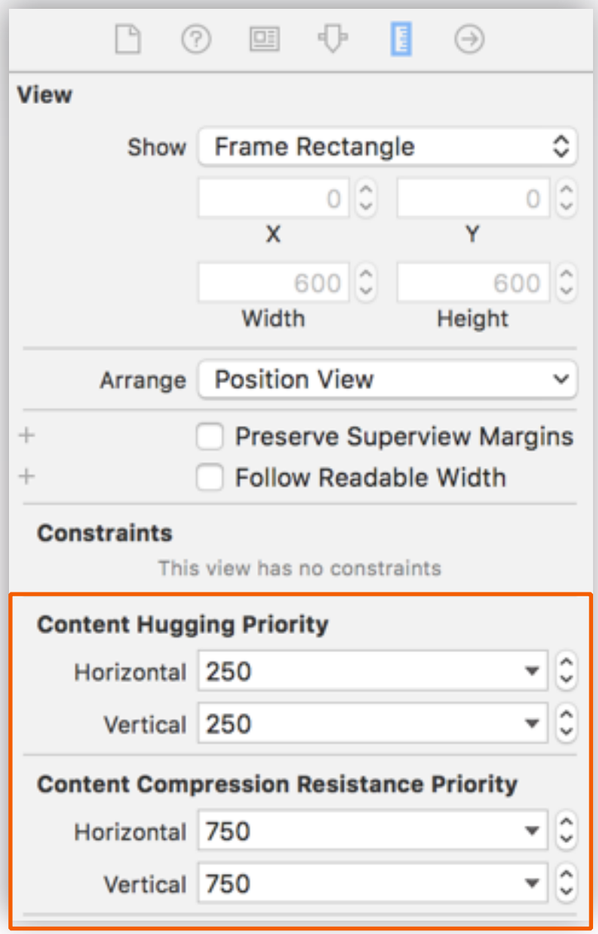
Compression Resistance



Compression Resistance



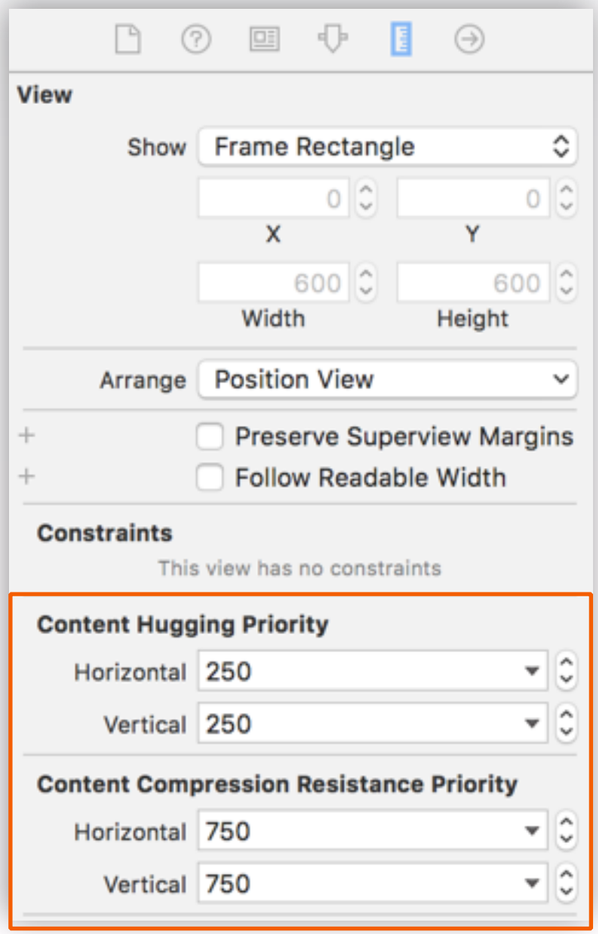
Content Hugging and Compression Resistance




```
func setContentHuggingPriority(
  priority: UILayoutPriority,
  forAxis axis: UILayoutConstraintAxis
)
```

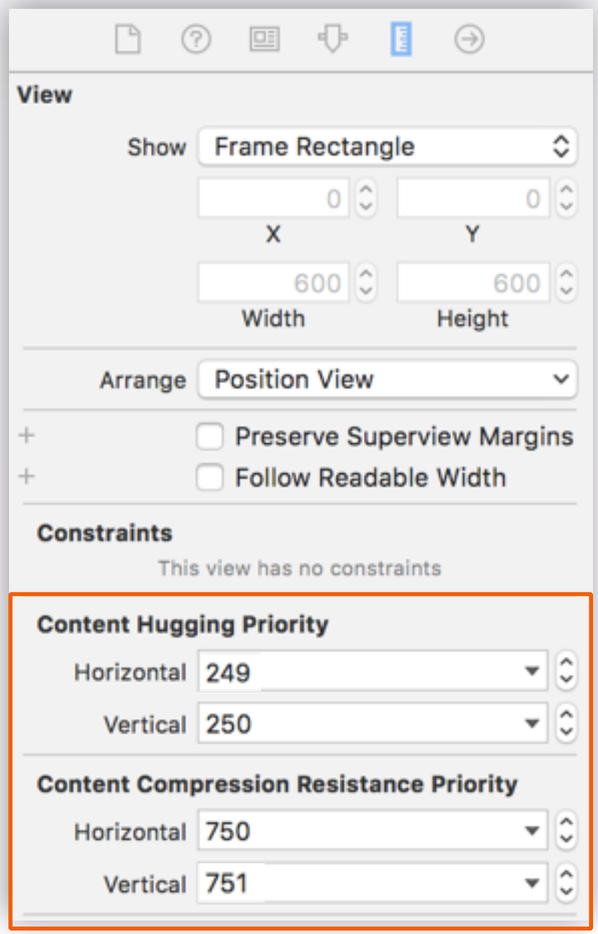
```
func setContentCompressionResistancePriority(
  priority: UILayoutPriority,
  forAxis axis: UILayoutConstraintAxis
)
```

Content Hugging and Compression Resistance




```
// UILayoutConstraintAxis

UILayoutConstraintAxis.Horizontal
UILayoutConstraintAxis.Vertical



// UILayoutPriority

UILayoutPriorityRequired = 1000
UILayoutPriorityDefaultHigh = 750
UILayoutPriorityDefaultLow = 250
UILayoutPriorityFittingSizeLevel = 50
```

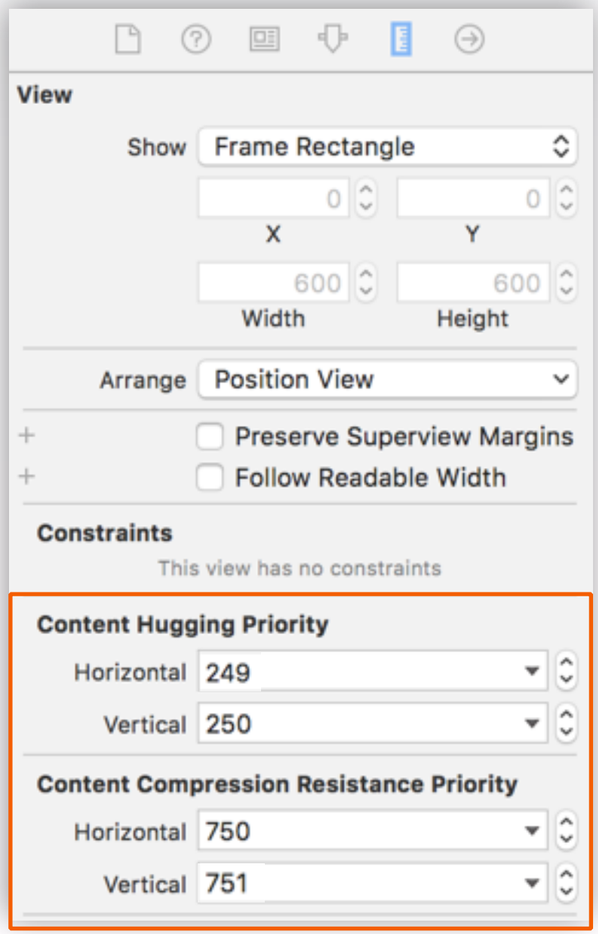
Content Hugging and Compression Resistance




```
view.setContentHuggingPriority(
    UILayoutPriorityDefaultLow - 1,
    forAxis: UILayoutConstraintAxis.Horizontal
)
```

```
view.setContentCompressionResistancePriority(
    UILayoutPriorityDefaultHigh + 1,
    forAxis: UILayoutConstraintAxis.Vertical
)
```

Content Hugging and Compression Resistance




```
view.contentHuggingPriorityForAxis(
   UILayoutConstraintAxis.Horizontal
)
```

```
view.contentCompressionResistancePriorityForAxis(
   UILayoutConstraintAxis.Vertical
)
```

```
override func viewForBaselineLayout() -> UIView {
    //The View you wish to be the baseline
}
```

Baseline

Summary

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