

Creating Custom Views with Auto Layout



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Module Overview



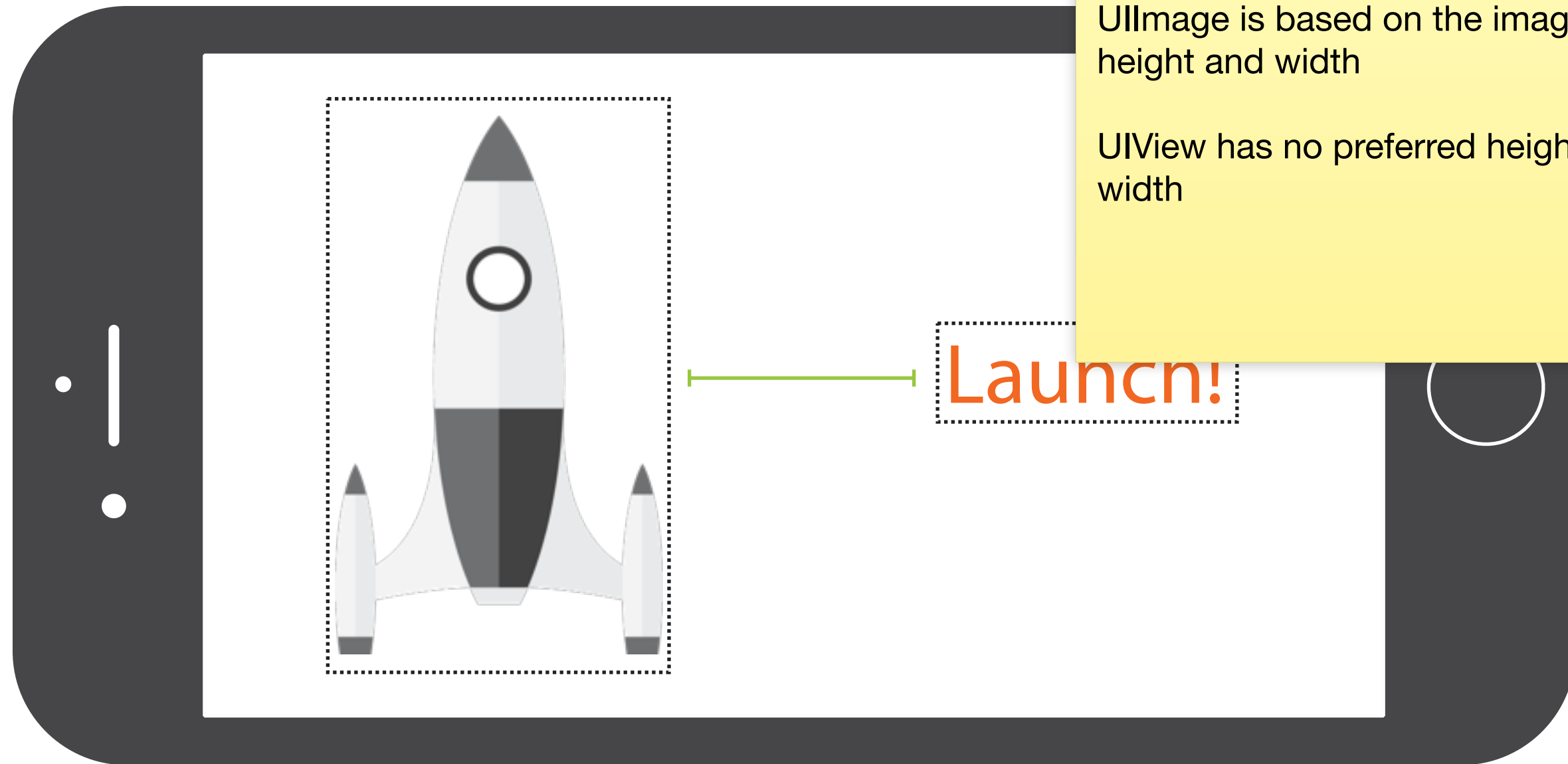
Custom Profile View
Intrinsic Content Size
Alignment Rect vs Frame
Baseline

Intrinsic Content S

UILabel is based on the font height and the width of the text it needs to display

UIImage is based on the image's height and width

UIView has no preferred height or width



```
override func intrinsicContentSize() -> CGSize {  
    return CGSize(width: 55, height: UIViewNoIntrinsicMetric)  
}  
  
self.invalidateIntrinsicContentSize()
```

Intrinsic Content Size

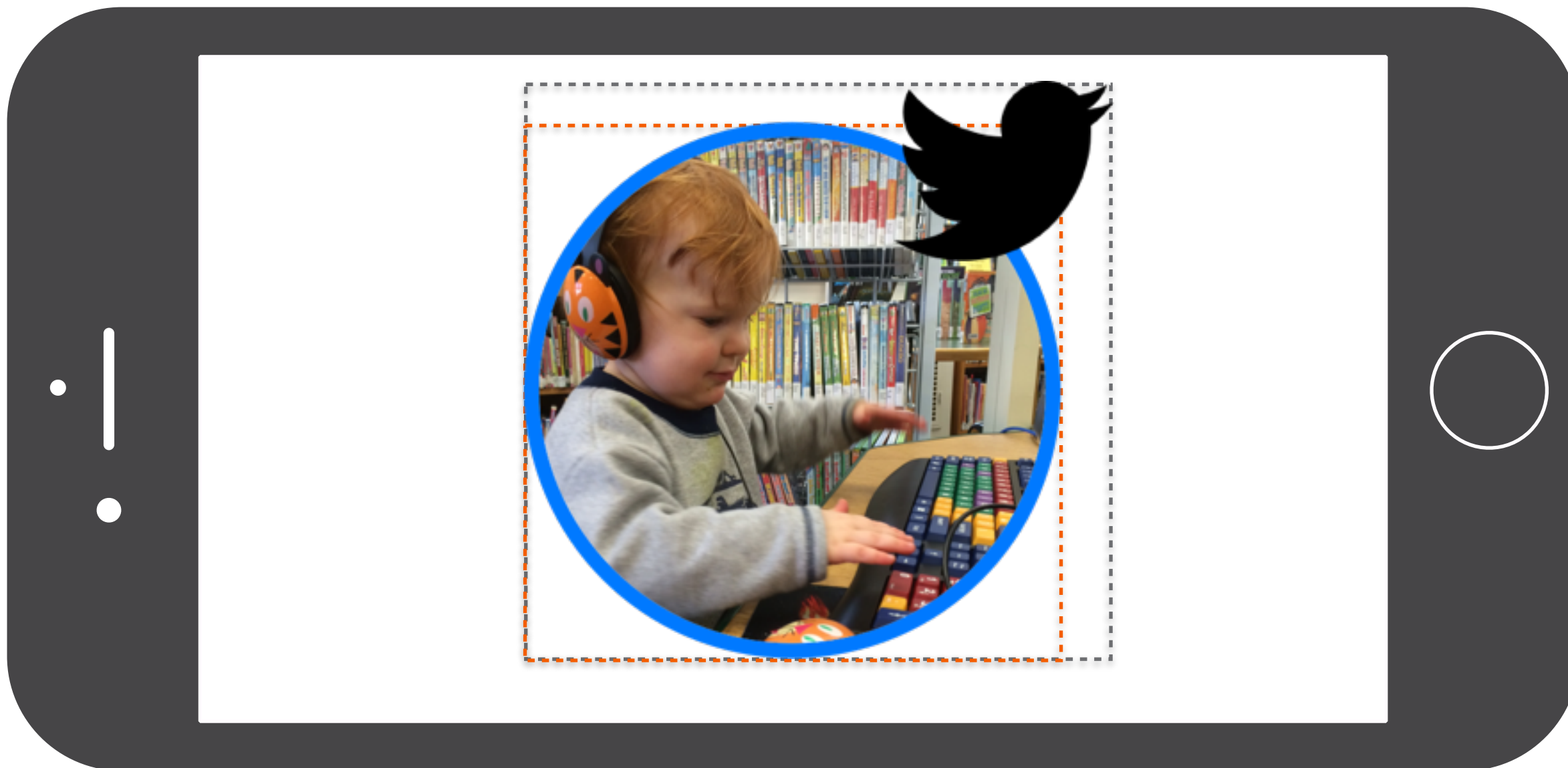
Set both the Width and Height

Use **UIViewNoIntrinsicMetric** for Zero

Intrinsic Content Size



Alignment Rect and Frame



Alignment Rect and Frame



```
override fun alignmentRectInsets() -> UIEdgeInsets {  
    return UIEdgeInsets(  
        top: 0,  
        left: 0,  
        bottom: 10,  
        right: 10  
    )  
}
```

Alignment Rect and Frame



```
override fun alignmentRectInsets() -> UIEdgeInsets {  
    return UIEdgeInsets(  
        top: 0,  
        left: 0,  
        bottom: 10,  
        right: 10  
    )  
}
```


Alignment Rect and Frame



```
func alignmentRectForFrame(frame: CGRect) -> CGRect {  
    return CGRect(  
        x: 0,  
        y: 0,  
        width: self.bounds.width + 10,  
        height: self.bounds.height + 5)  
    }
```

```
func frameForAlignmentRect(alignmentRect: CGRect) -> CGRect {  
    return CGRect(  
        x: 0,  
        y: 0,  
        width: self.bounds.width - 10,  
        height: self.bounds.height - 5)  
    }
```

```
override func intrinsicContentSize() -> CGSize {  
    return CGSize(width: 55, height: UIViewNoIntrinsicMetric)  
}  
  
self.invalidateIntrinsicContentSize()
```

Intrinsic Content Size

Set both the Width and Height

Use **UIViewNoIntrinsicMetric** for Zero

Summary



Custom Profile View

Laying Out the Internal Constraints

Update Constraints

Intrinsic Content Size

Alignment Rect vs Frame

Baseline