

# IBDesignable Quick Introduction (with Swift)

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# Seeing is believing

A picture is worth a  
thousand ~~emails~~ words.

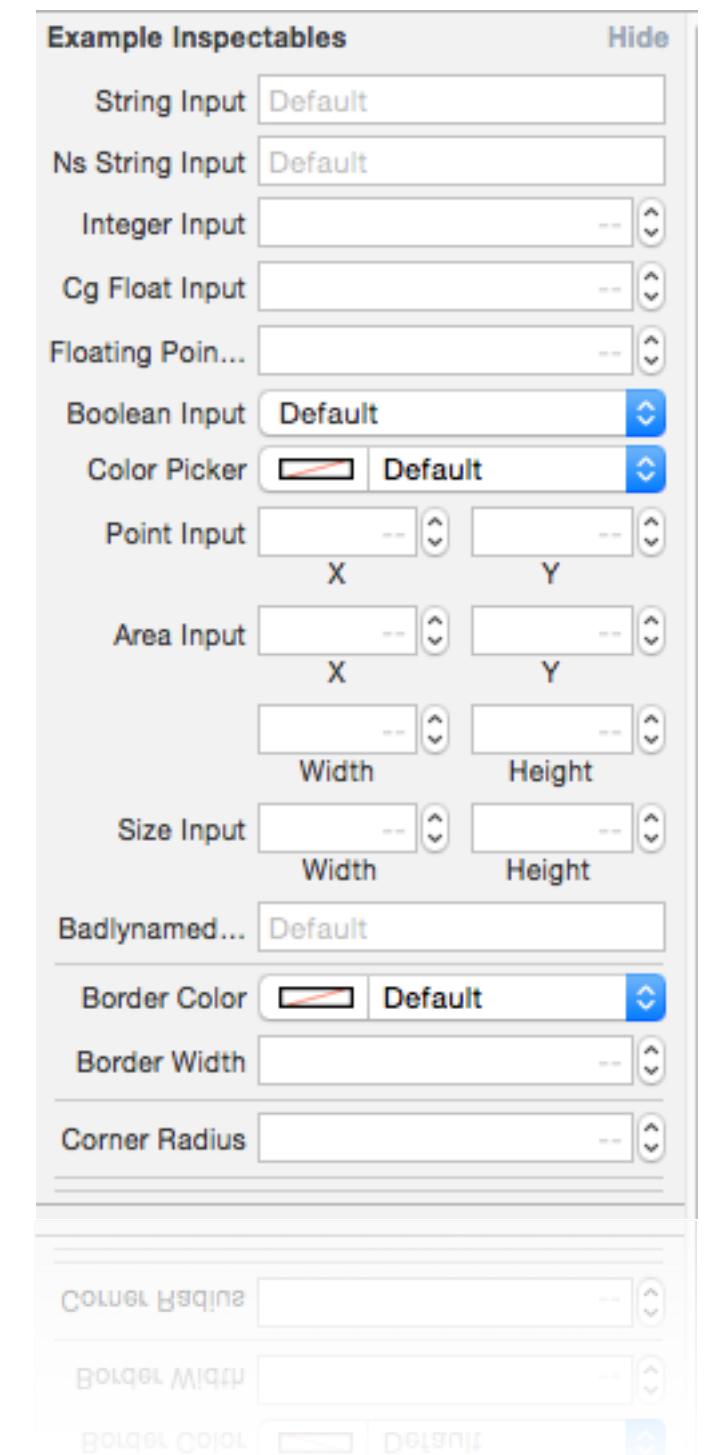
# @IBDesignable, @IBInspectable

Enable live, interactive custom view design in Interface Builder

# @IBINSPECTABLES

- ▶ Valid types are limited
- ▶ Types that currently work:
- ▶ String, Int, Double, Bool, CGFloat, UIColor, CGPoint, CGRect, CGSize
- ▶ Variable names must be in camelCase for labels to work

```
@IBDesignable class ExampleInspectables: UIView {  
  
    @IBInspectable var stringInput:String = "A String"  
    @IBInspectable var nsStringInput:NSString = "NSString"  
    @IBInspectable var integerInput:Int32!  
    @IBInspectable var cgFloatInput:CGFloat!  
    @IBInspectable var floatingPointInput:Double!  
    @IBInspectable var booleanInput:Bool = true  
    @IBInspectable var colorPicker:UIColor!  
    @IBInspectable var pointInput:CGPoint!  
    @IBInspectable var areaInput:CGRect = CGRect(x: 0, y: 0, width: 0, height: 0)  
    @IBInspectable var sizeInput:CGSize!  
    // This variable isn't in camelCase  
    @IBInspectable var badlynamedvariable:String!  
  
    @IBInspectable var borderColor:UIColor = UIColor.appPrimaryColor  
    didSet {  
        layer.borderColor = borderColor.CGColor  
    }  
}  
@IBInspectable var borderWidth: CGFloat = 1 {  
    didSet {  
        layer.borderWidth = borderWidth  
    }  
}  
@IBInspectable var cornerRadius: CGFloat = 2 {  
    didSet {  
        layer.cornerRadius = cornerRadius  
    }  
}  
  
// items that don't display in IB  
@IBInspectable var enumInput:ExampleEnum = .Value1  
@IBInspectable var layoutConstraint:NSLayoutConstraint!  
@IBInspectable var listValues:[String]!  
@IBInspectable var edgeInsets:UIEdgeInsets = UIEdgeInsetsZero  
@IBInspectable var cgVectorInput:CGVector!  
@IBInspectable var cgTransform:CGAffineTransform! = CGAffineTransformIdentity  
@IBInspectable var nsDate:NSDate!  
@IBInspectable var nsData:NSData!  
@IBInspectable var nsURL:NSURL!  
@IBInspectable var nsDataWithFormat:NSDataFormat!
```



# @IBDESIGNABLE

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- ▶ Tells Interface Builder that it can load the view and render it
- ▶ **The view class must be in a framework for this to work**
- ▶ Uses *initWithFrame* (called only once per session)
- ▶ *prepareForInterfaceBuilder* is called on every property change





# Demo Time

<https://github.com/qvik/HelsinkiOS-IBD-Demo>

HelsinkiOS, 30.09.2015



THANK YOU

LET'S CREATE IT TOGETHER

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P.S. We are recruiting!