

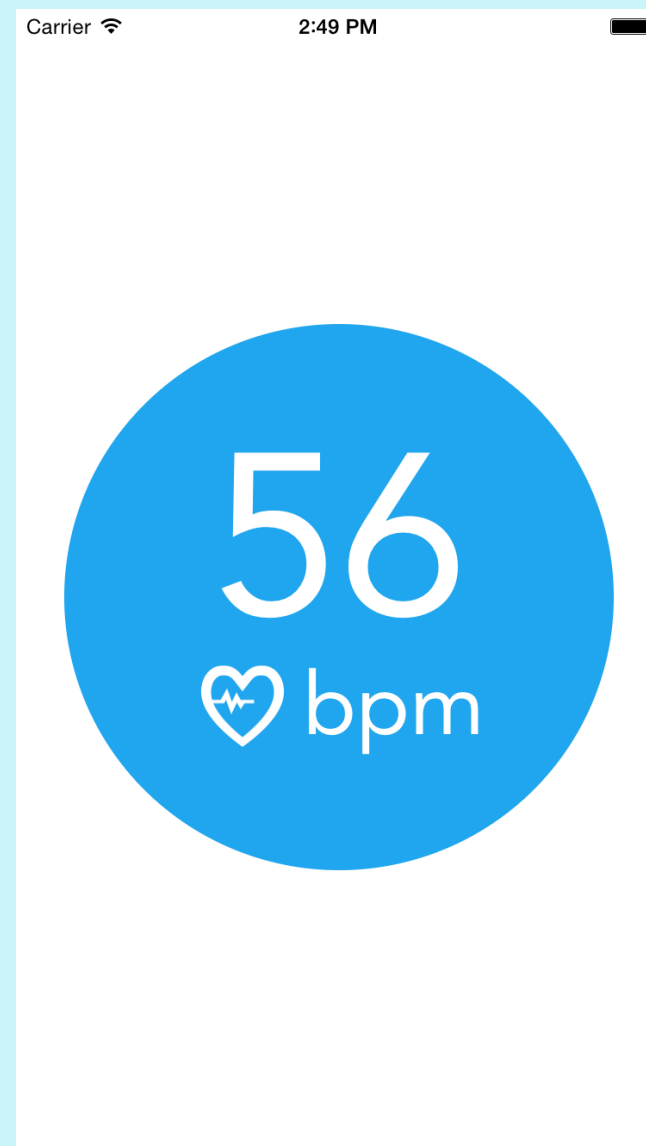
DESIGN

TIME

# IBDesignable

**[Technically a toolchain feature, but WWDC 2014 is all a blur.]**

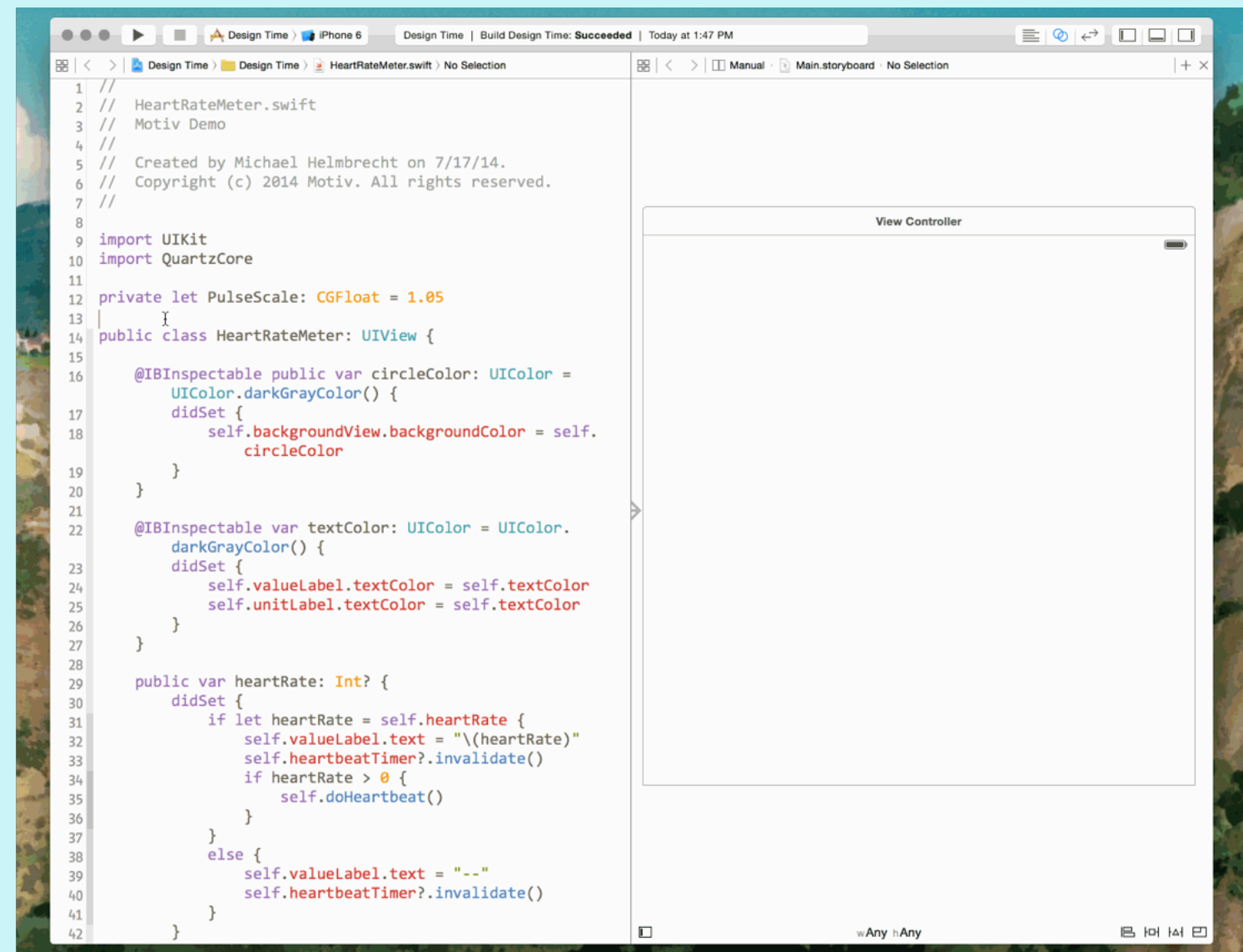
# Today we will be building



# Just one keyword

```
@IBDesignable  
class HeartRateMeter: UIView {  
  
    // ...lots of great view code in here...  
  
}
```

# Automagically :



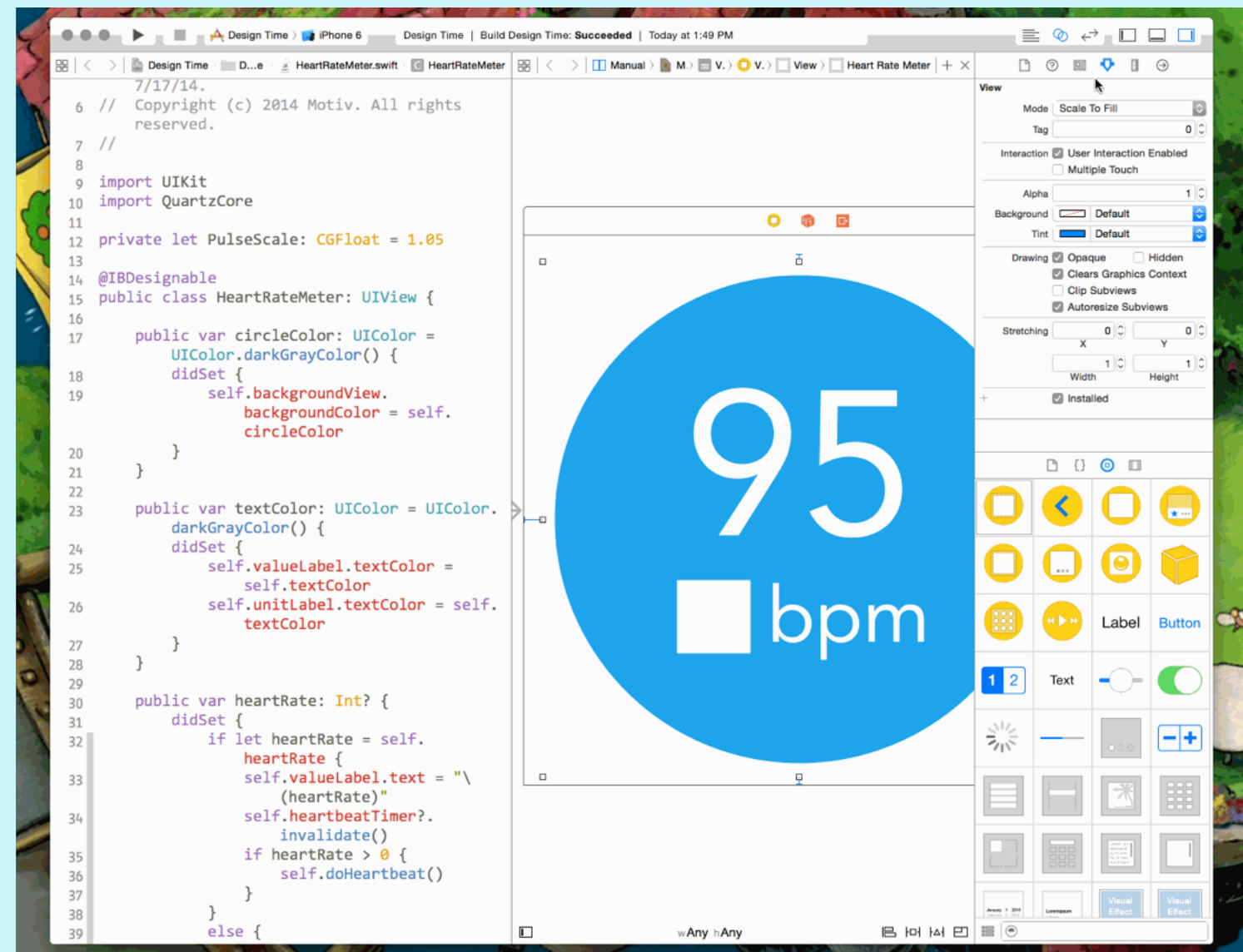
I lied, here's another keyword  
But in fairness it's not *necessary*

```
@IBDesignable
class HeartRateMeter: UIView {

    @IBInspectable var textColor: UIColor = UIColor.whiteColor() {
        didSet {
            // ...update the UI...
        }
    }

}
```

# Automagically:



# Craig-approved inspectable types

☞ Int/Float/Double

☞ String

☞ Bool

☞ CGPoint/CGSize/CGRect

☞ UIColor

☞ UIImage



# How it works

- ① IB calls your view's `init(frame:)` method  
    👉 but it calls `init(coder:)` when running
- ② IB calls your view's `prepareForInterfaceBuilder()`
- ③ IB does the standard layout/drawing stuff

# Providing test data for IB

```
override func prepareForInterfaceBuilder() {  
    self.heartRate = 95  
}
```

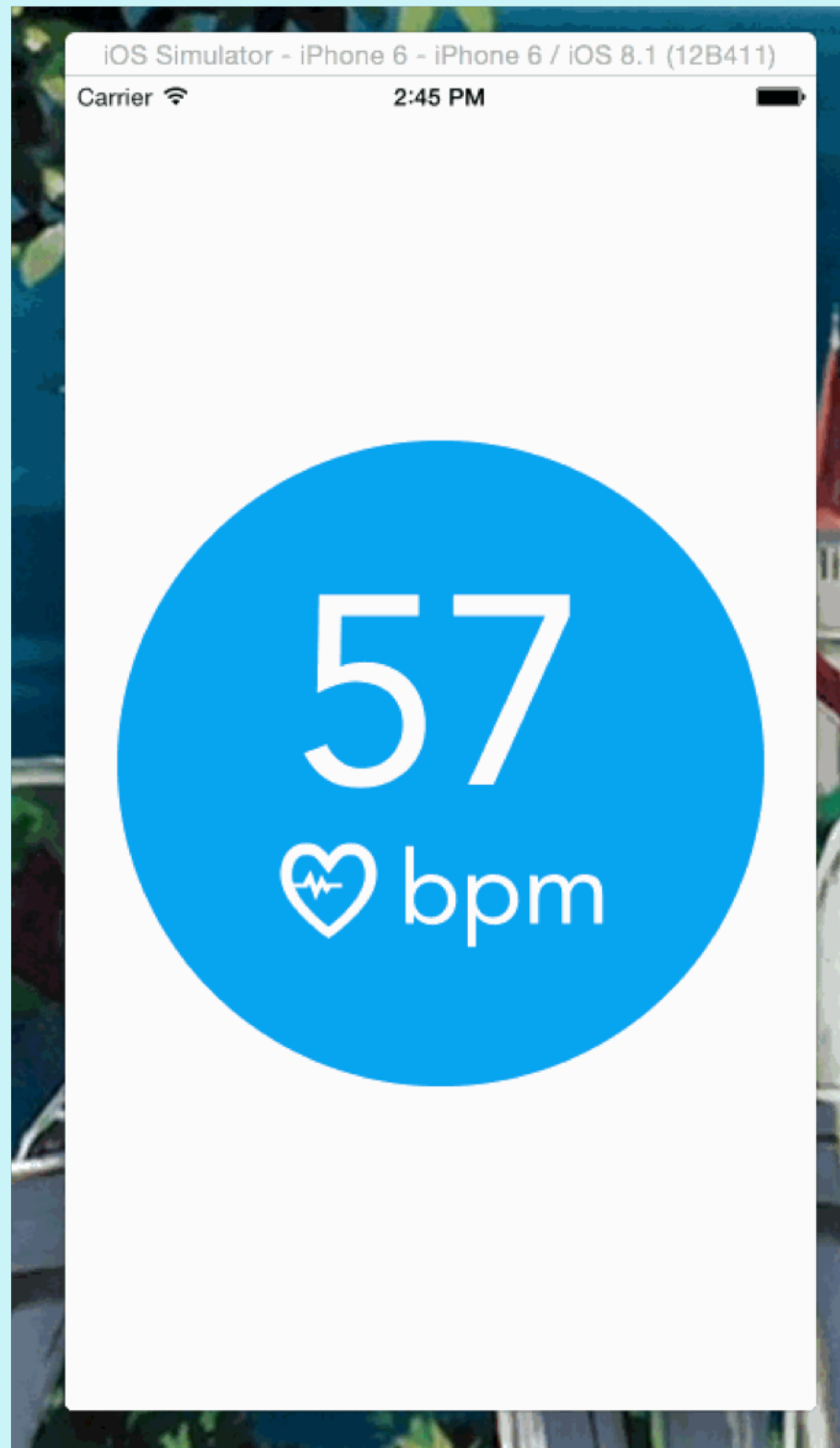
You could make the desired parameter inspectable, but that only works if it's one of the approved types.

Plus this is only executed when building in IB, and not when the app is run.

# **Caveat:** Images won't work

Yep, that's a known issue.

```
override func prepareForInterfaceBuilder() {  
    self.icon.backgroundColor = self.textColor  
}
```



# Questions?

This demo project and this talk at [link.mrh.is/designtime](http://link.mrh.is/designtime).

I'll be around after the talks, or find me at [@mrh\\_is](https://twitter.com/mrh_is).