



MY FIRST iOS APP (PART 2) - **Slider & Labels**

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Tools



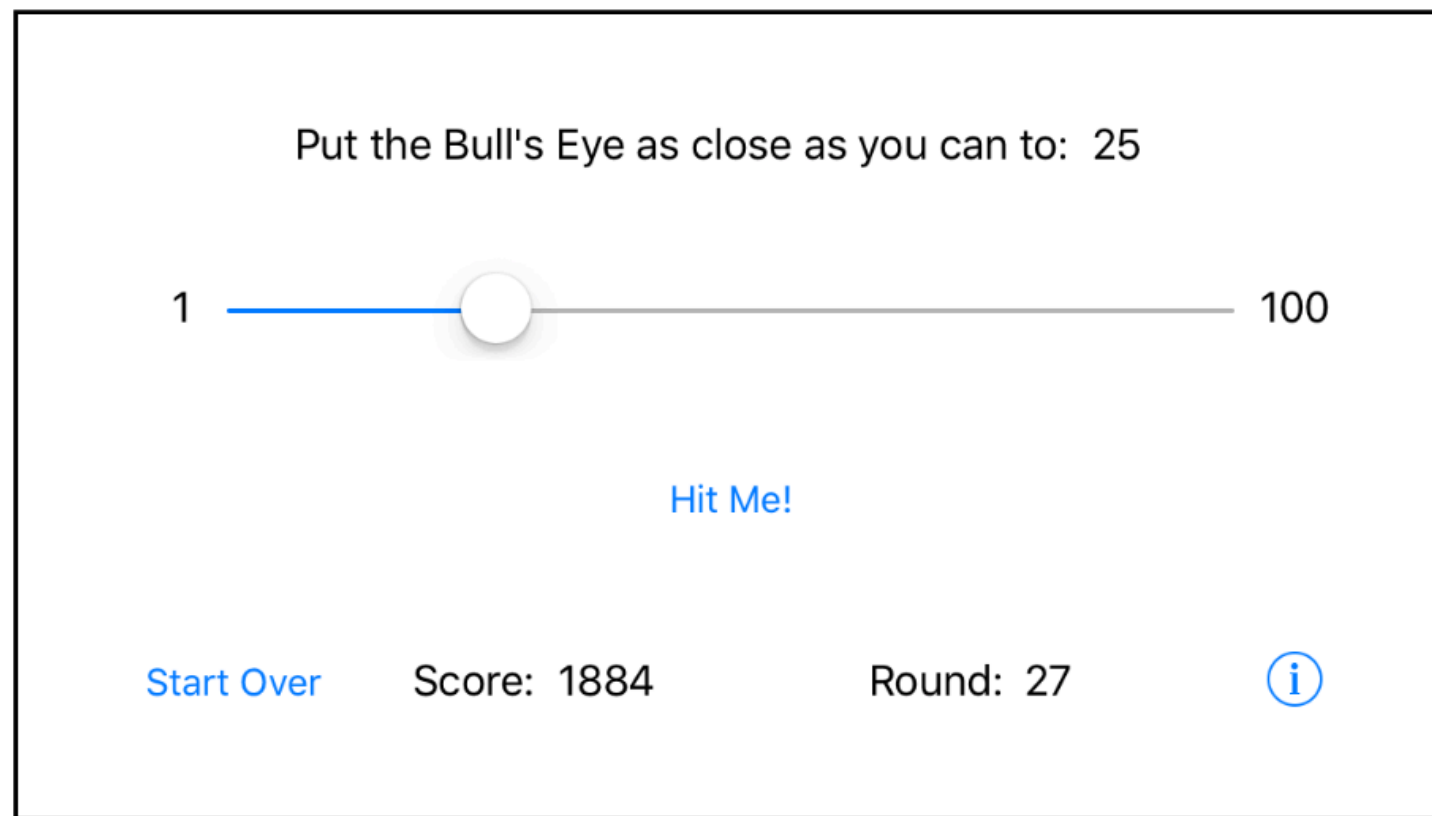
Technologies



Languages

SLIDERS AND LABELS

When you are done, the app will look like this

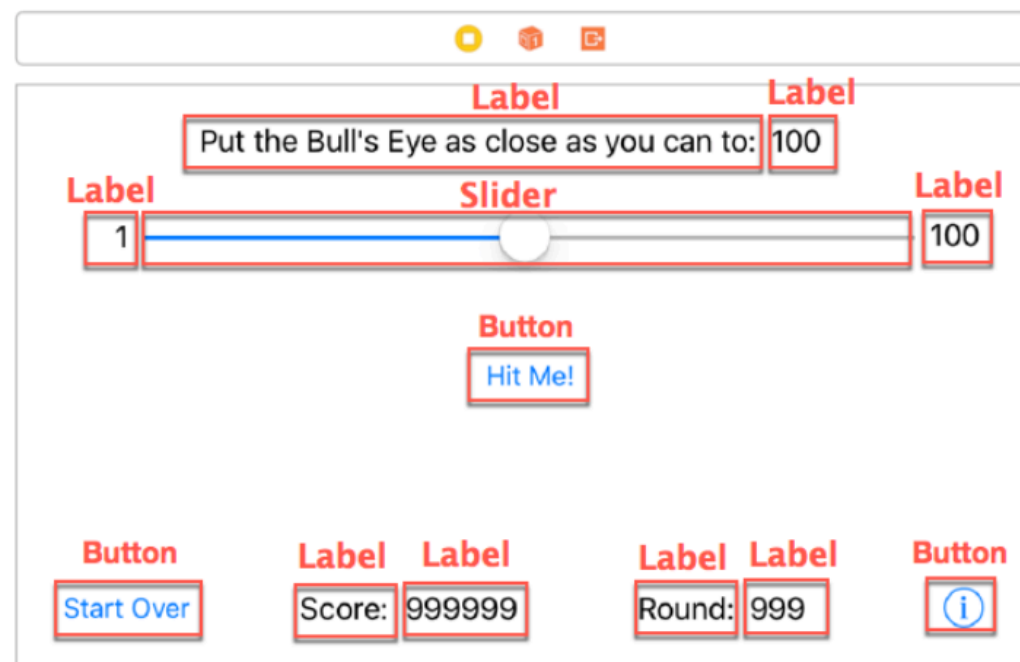


The game screen with standard UIKit controls

SLIDERS AND LABELS

Your app already has a button, but you still need to add the rest of the UI controls, also known as “views.” Here is the screen again, this time annotated with the different types of views:

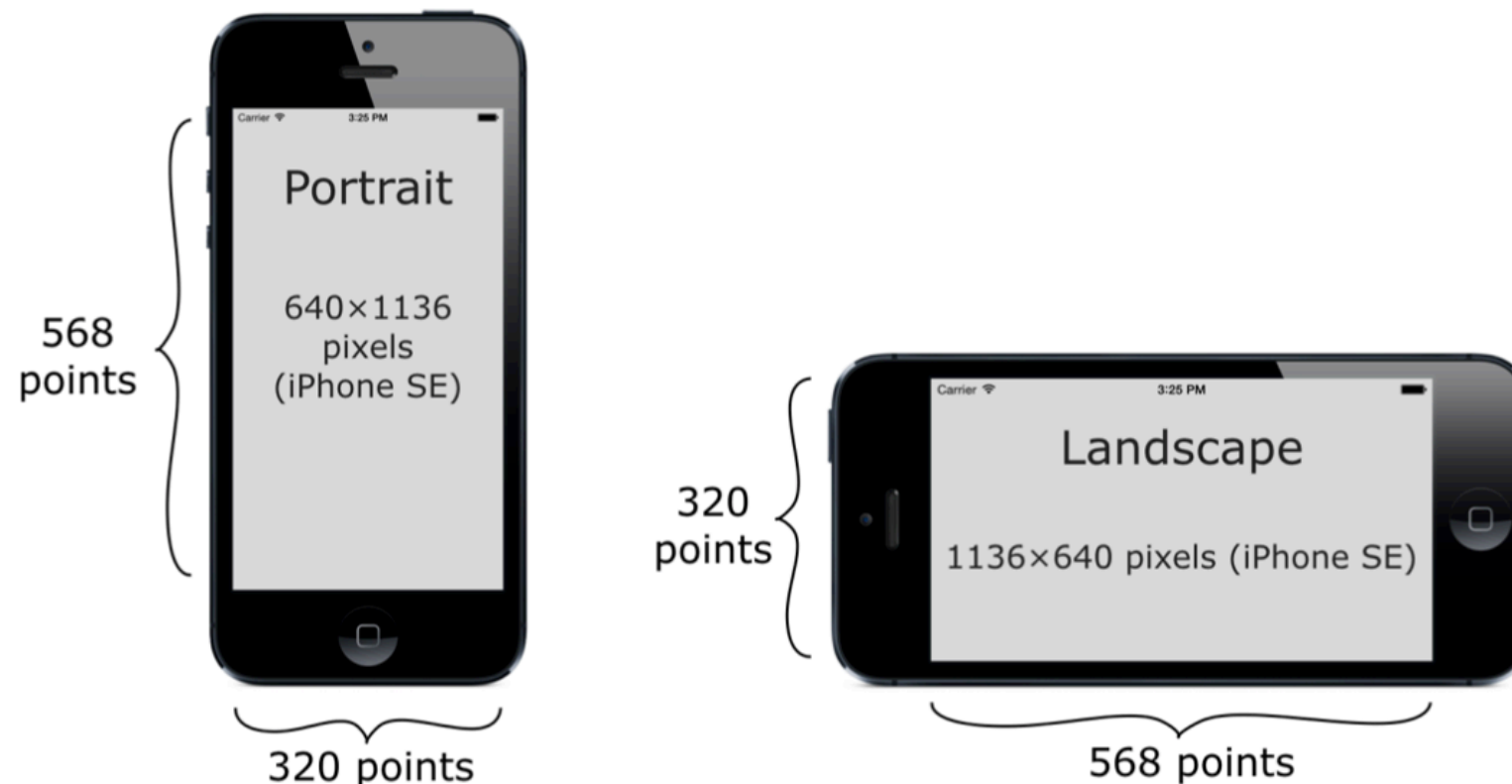
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The different views in the game screen

PORTRAIT & LANDSCAPE ORIENTATION

In portrait orientation, the iPhone SE screen consists of 320 points horizontally and 568 points vertically. For landscape, these dimensions are switched.



Screen dimensions for portrait and landscape orientation

POINTS & PIXELS

FOR IPHONE 4 AND LATEST MODELS: HIGH RESOLUTION RETINA DISPLAY:

1 POINT = 2 PIXELS

FOR ONE PLUS DEVICES: RETINA HD DISPLAY:

1 POINT = 9 PIXELS

The form factor of the device determines the width and height of the screen in points:

Device	Form factor	Screen dimension in points
iPhone 4s and older	3.5"	320 x 480
iPhone 5, 5c, 5s, SE	4"	320 x 568
iPhone 6, 6s, 7, 8	4.7"	375 x 667
iPhone 6, 6s, 7, 8 Plus	5.5"	414 x 736
iPhone X, Xs	5.8"	375 x 812
iPhone Xr	6.1"	414 x 896
iPhone Xs Max	6.5"	414 x 896
iPad, iPad mini	9.7" and 7.9"	768 x 1024
iPad Pro	10.5"	834 x 1112
iPad Pro	12.9"	1024 x 1366

ENOUGH TALK, LET'S JUMP TO `<CODE/>`



WHAT IS IBAction?

An **IBAction** (Interface Builder action) is a **function** which is called when a specific user interaction occurs. You want work to happen when you hit a button? You create an **IBAction** and define the work inside of it.

Your showAlert action is an example of a method. You can tell it's a method because the line says func (short for "function") and the name is followed by parentheses:

```
@IBAction func showAlert() {
```



All method definitions start with the word func and have parentheses



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THANK YOU

