Mastering AUTO LAYOUT

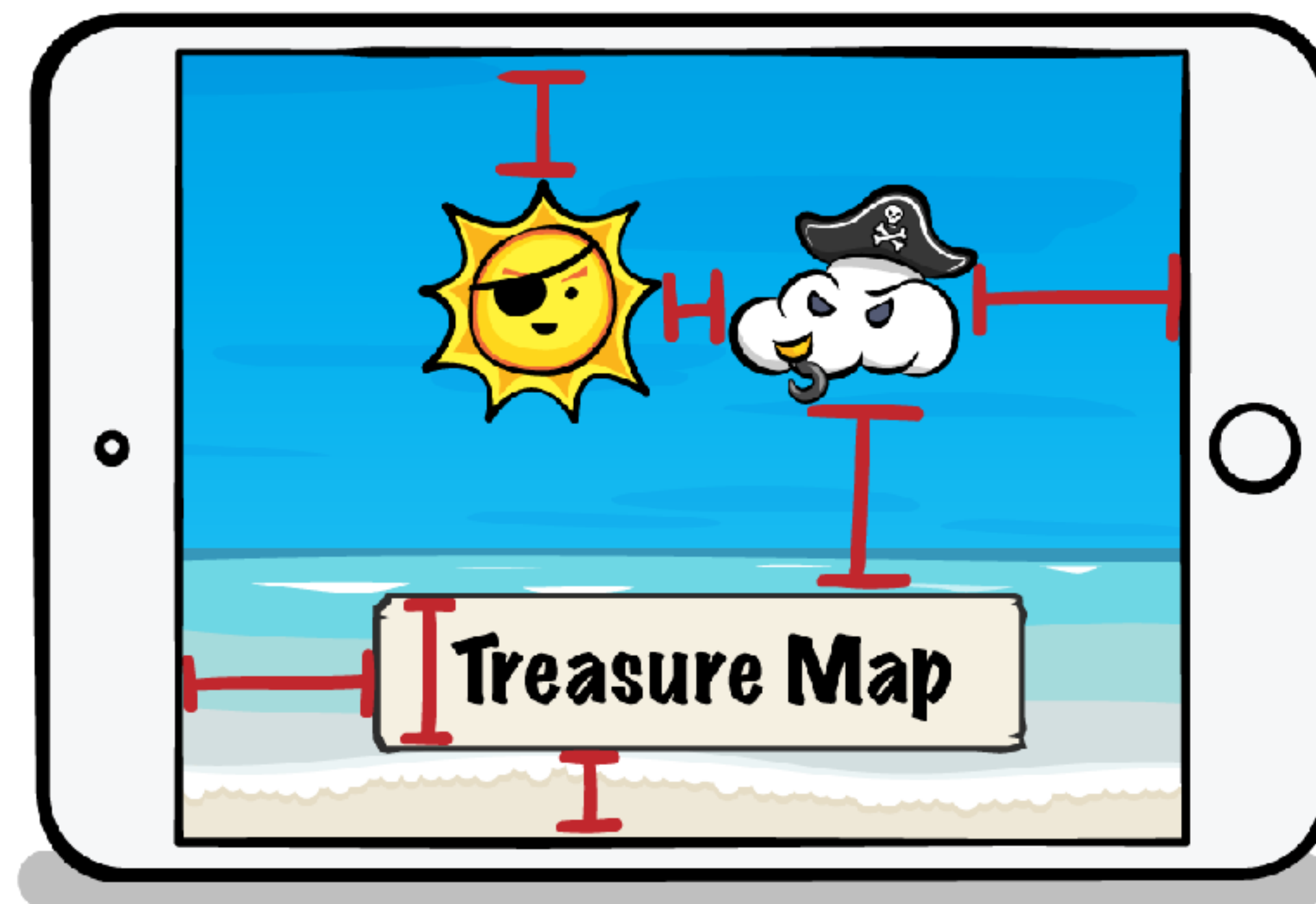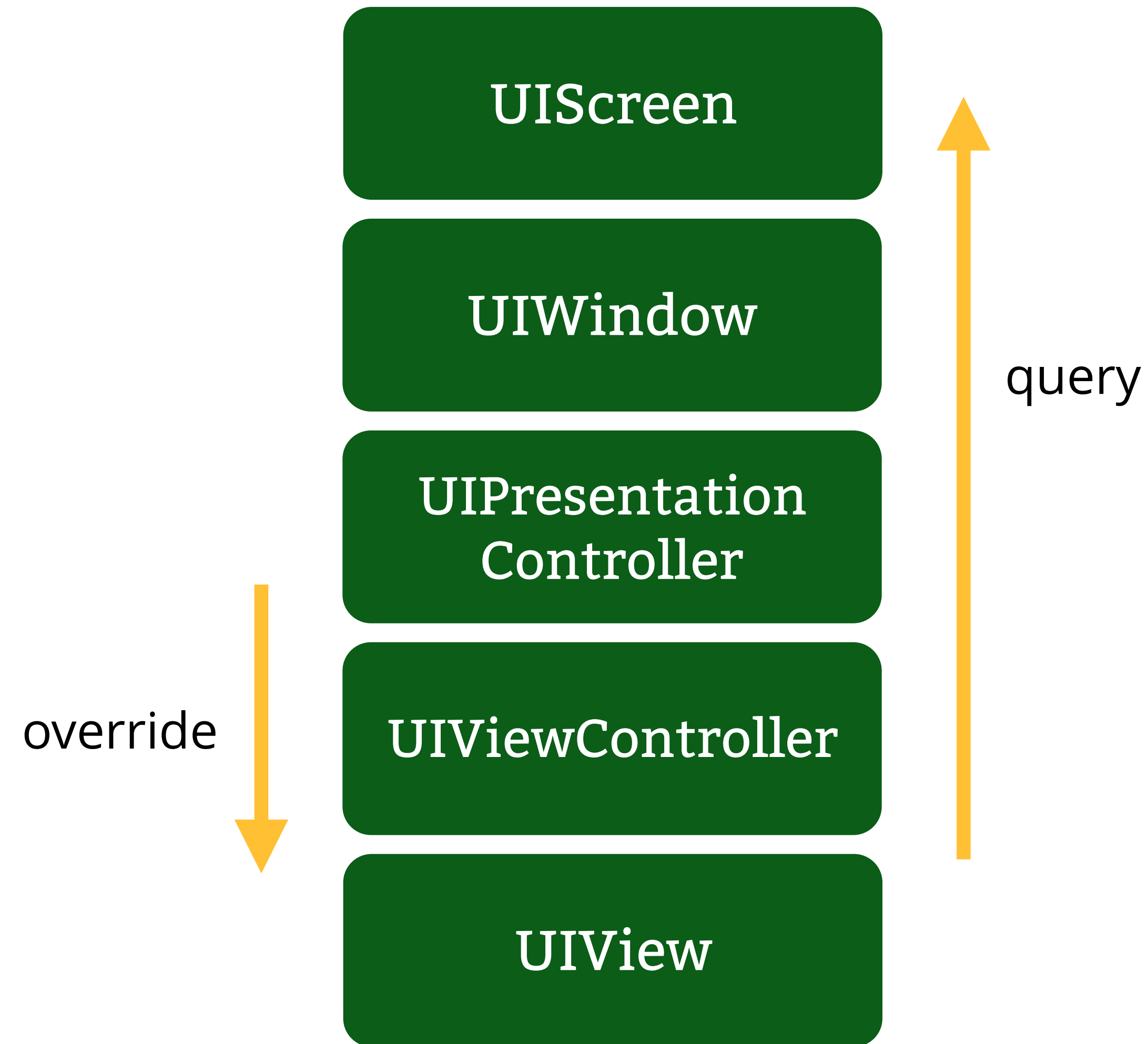Treasure Map

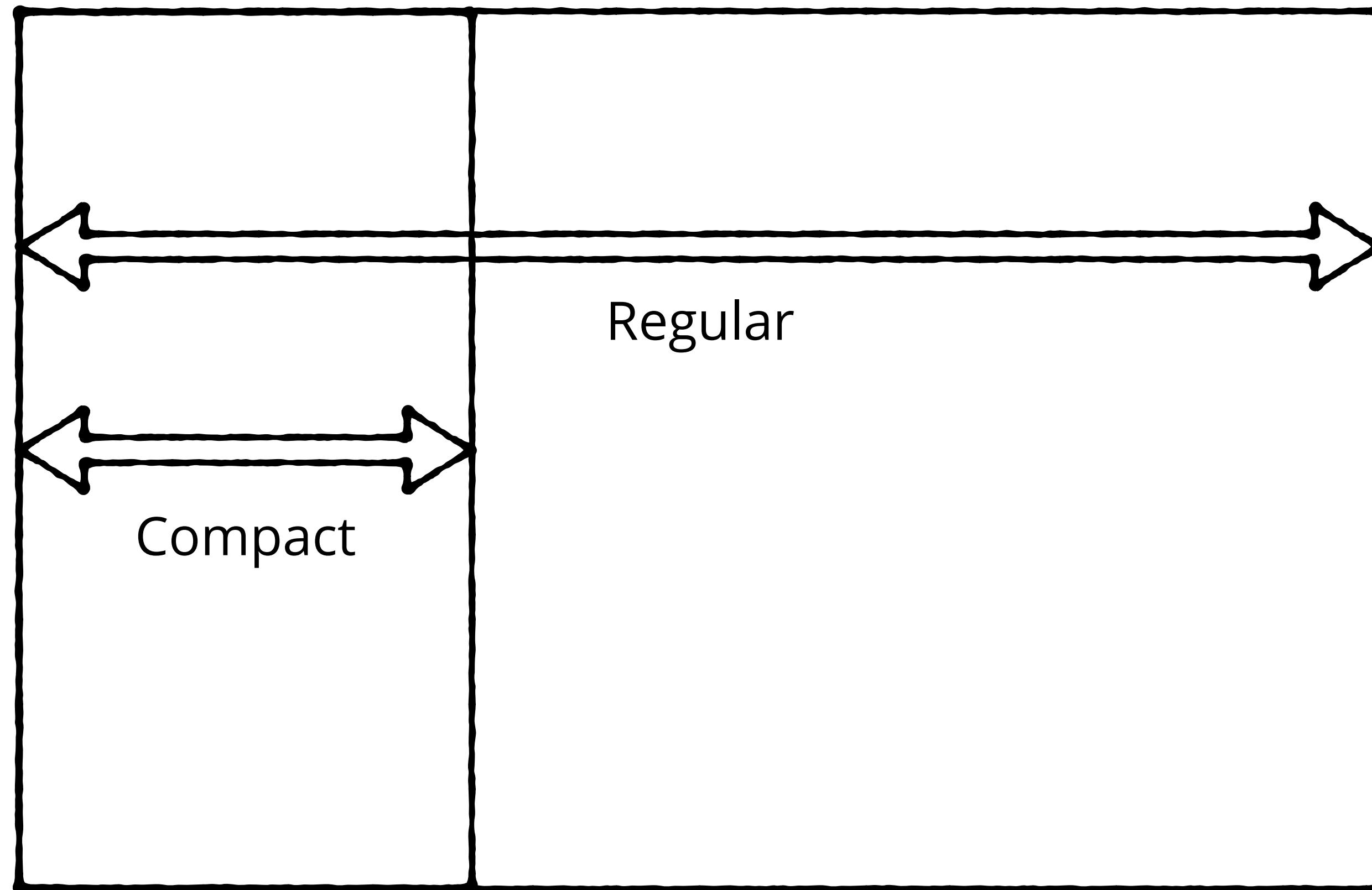Part 9: Adaptive Layout Environment

UITraitCollection

```swift
var horizontalSizeClass: UIUserInterfaceSizeClass
var verticalSizeClass: UIUserInterfaceSizeClass
var userInterfaceIdiom: UIUserInterfaceIdiom
var displayScale: CGFloat
var forceTouchCapability: UIForceTouchCapability
var displayGamut: UIDisplayGamut
var layoutDirection: UITraitEnvironmentLayoutDirection
var preferredContentSizeCategory: UIContentSizeCategory
```

UITraitEnvironment

UIScreen

UIWindow

UIPresentation Controller

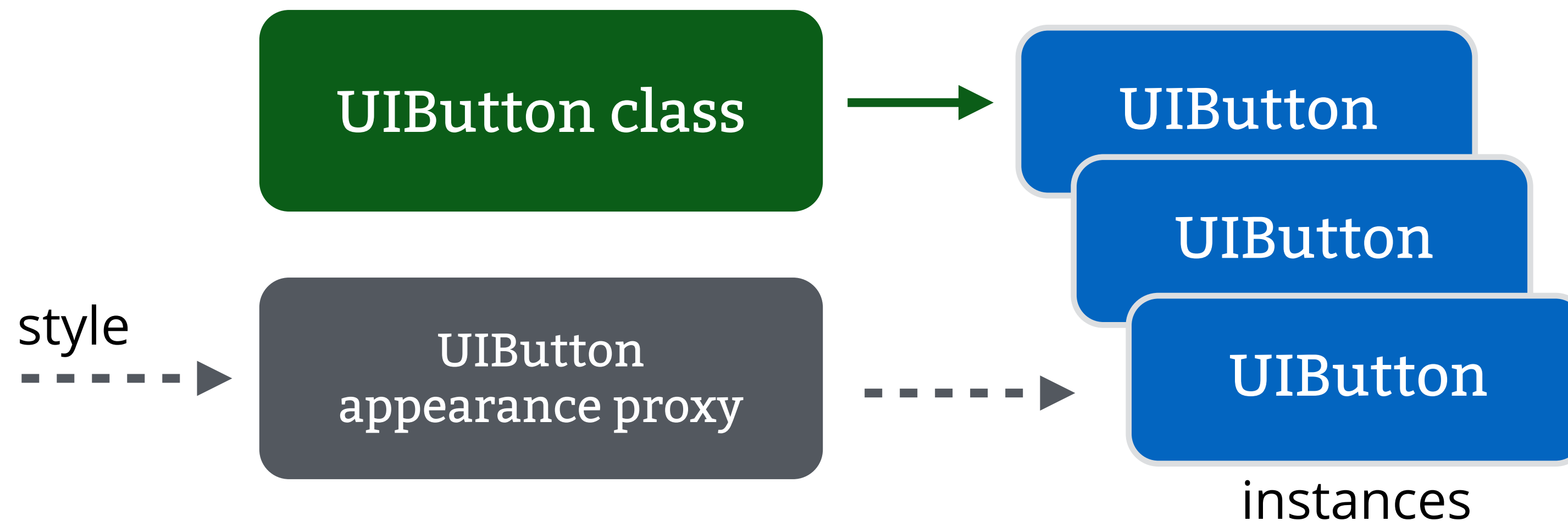UIViewController

UIView

query

override

Overriding Trait Collections

Appearance Proxy

▶ Customize appearance of instances of a class across the app.


```
UIView.appearance()
UIView.appearance(for:)
```

Reacting to Changes

UITraitEnvironment:

```
func traitCollectionDidChange(_: UITraitCollection?)
```

UIViewController:

```
func willTransition(to: UITraitCollection,
  with: UIViewControllerTransitionCoordinator)
```

Challenge Time!