TextInput

UITextField

UITextView

Customizing TextInput Views

TextInput Delegates

UIWebView/WKWebView

Custom Drawing With Core Graphics & UIBezierPath

UIKit offers 2 ways to input text

Text Input

1. UITextField: single lines

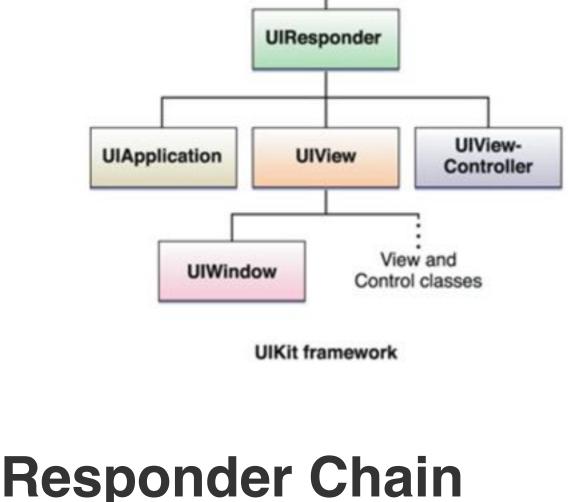
customize the keyboard type

- 2. UITextView: multiple lines
- UITextView inherits from UIScrollView
- Delegates are important for interacting with text input controls
- **UIResponder**

These inputs conform to the UITextInputTraits protocol which allows you to

Both UITextField & UITextView inherit from UIResponder Let's talk about responders in iOS.

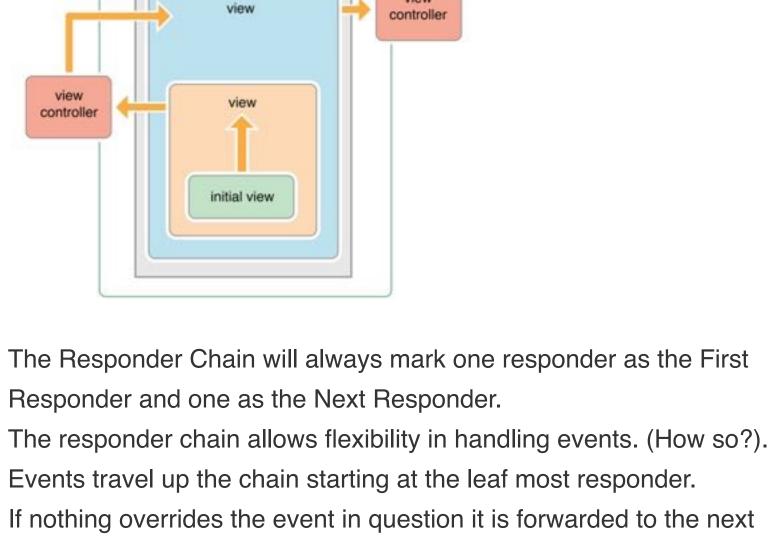
- All responder objects inherit from the class UIResponder
- Any instance that inherits from UIResponder can handle events, like, touch
- events, motion events, presses (from accessories).
- Visible elements of an app are almost always responders. e.g. all subclasses of UIViews, controls (like UIButton).
- ViewControllers, the UIApplication are responders. The AppDelegate is a also a subclass of UIResponder.
- **NSObject**



"next responder" in a linked series called the responder chain. Application

Window

If a responder cannot handle an event it automatically forwards it to the



(unless we override UIApplication (don't)).

If UIApplication delegate doesn't handle it then the event is just discarded. userInteractionEnabled is a property on UIView that determines whether a

view receives interactions. By default this is set to YES for UIViews.

But most subclasses of UIView (like UIImageView, UILabel, etc.) set

userInteractionEnabled to NO by default. So, if you want a UllmageView to handle a touch event you must always set the userInteractionEnabled to YES. (This is a common beginner gotcha).

responder in the chain until the final responder in the chain the UIApplication

SFSafariViewController

UIWebView is a crippled version of Safari that you can just drop into your

instead of using UIWebView." It is marked as deprecated in IB.

Apple says "In apps that run in iOS 8 and later, use the WKWebView class

• WKWebView is much faster and more flexible and as of Xcode 9.0.1 it has

UIWebView / WKWebView /

• You can use webviews for displaying web pages (obviously!) You can also load web content from other sources, like a data base, or network endpoint.

view controller.

IB support!

other website data with Safari".

 SFSafariViewController "includes Safari features such as Reader, AutoFill, Fraudulent Website Detection, and content blocking. It shares cookies and

• "If your app lets users view websites from anywhere on the Internet, use the

SFSafariViewController class. If your app customizes, interacts with, or

controls the display of web content, use the WKWebView class."

- You can interact with web content using javascript and do things like make content editable using contentEditable. So, you can make a blog editor from a webview, for instance.
 - Many apps now use SFSafariViewController, for instance Tweetbot.