Important Views & Controls

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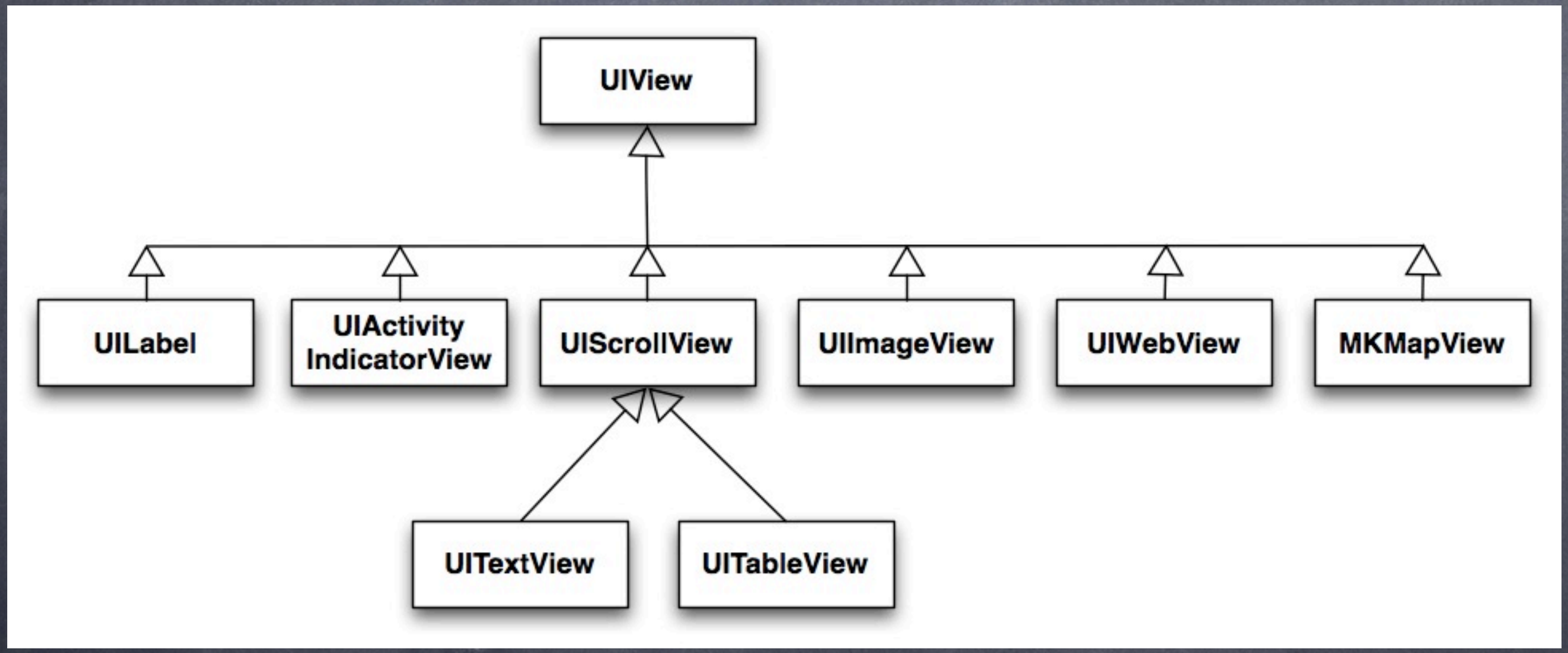
UIView Hierarchy

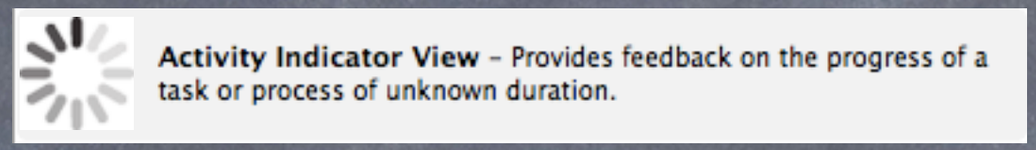


UILabel

Label **Label** – A variably sized amount of static text.

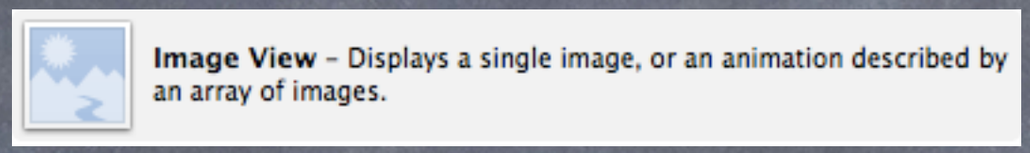
- Read-only text display
- Single or multi-line display

UIActivityIndicatorView



- Spinning gear to indicate that a task is in progress
- e.g. loading from Web, performing long background-task

UIImageView



- container for displaying a single image

  or

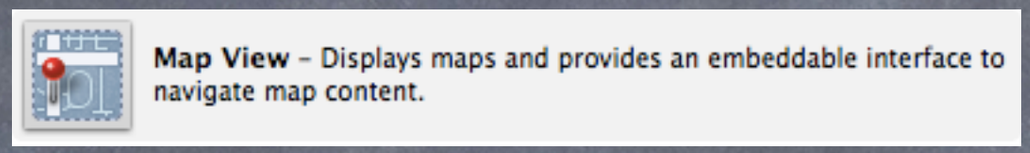
- a series of animated images

UIWebView

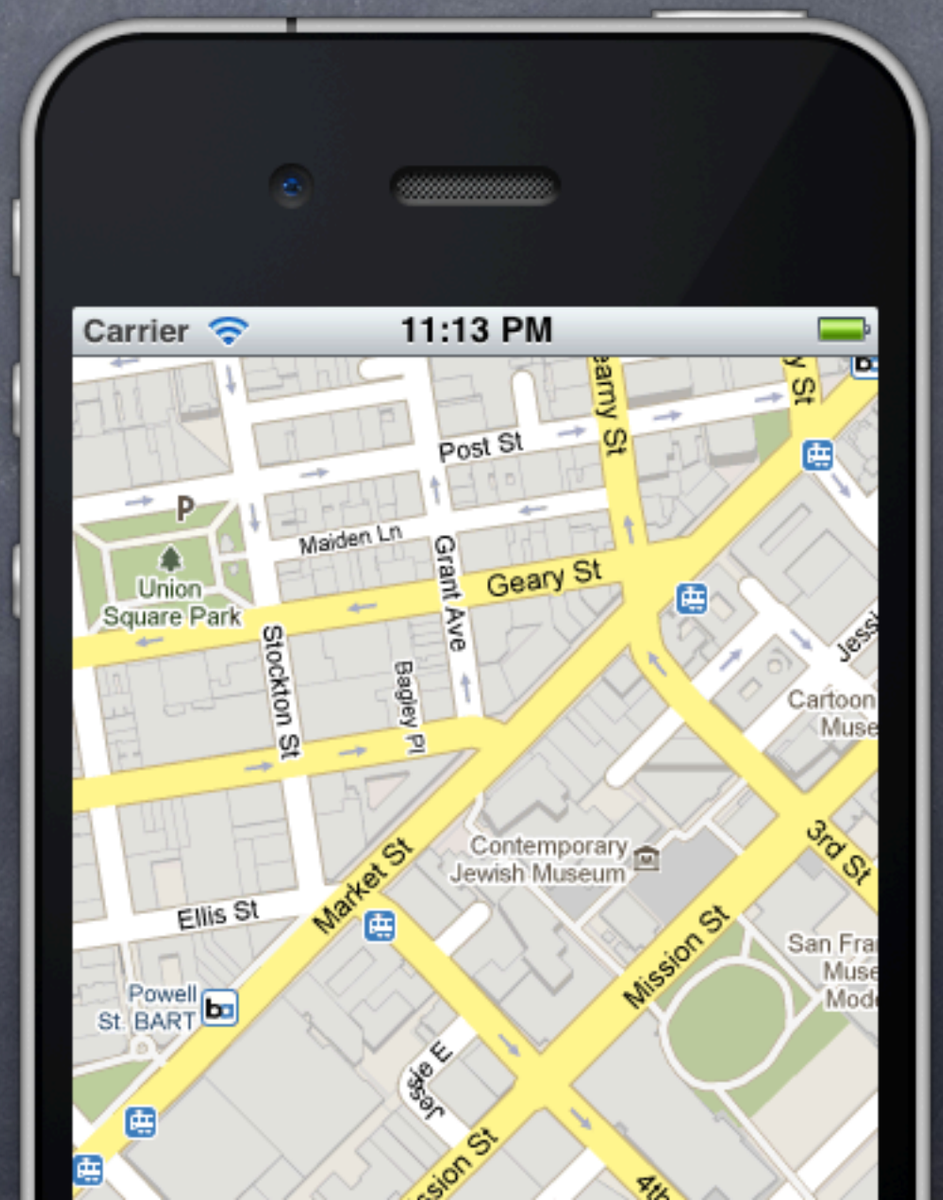
Web View – Displays embedded web content and enables content navigation.

- container to embed webcontent (browser) in your application
- can display local or remote websites

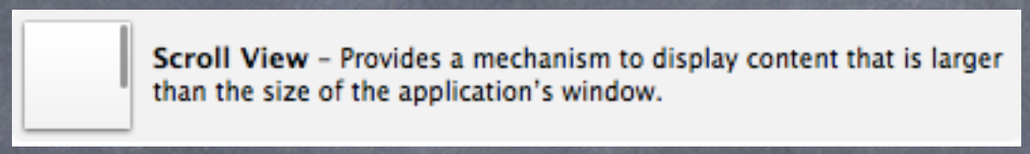
MKMapView



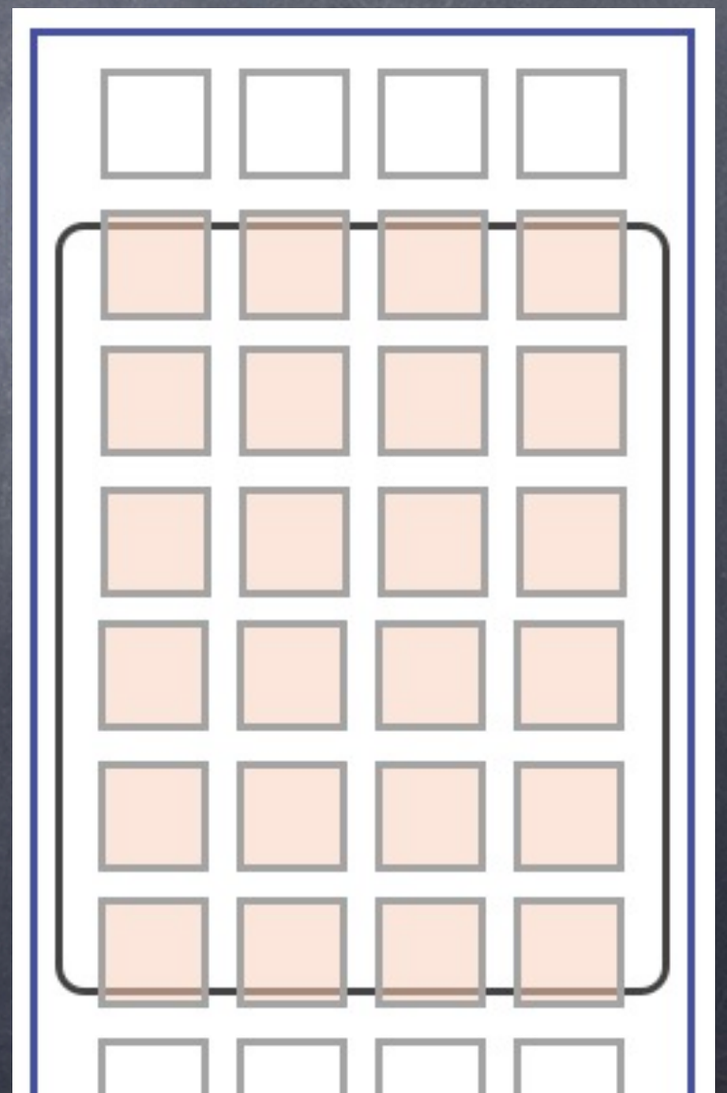
- container to embed Google (<= iOS5) / Apple (iOS 6) maps inside your application
- support for pins, overlays



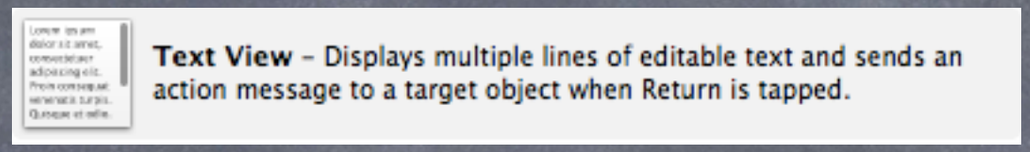
UIScrollView



- provides support for displaying content that is larger than the size of the screen
- enables users to scroll within the content by making swipe gestures
- enables users to zoom by making pinch gestures



UITextView : UIScrollView



- subclass of UIScrollView
- scrollable, multi-line text region
- editable text (optional)

UITableView : UIScrollView

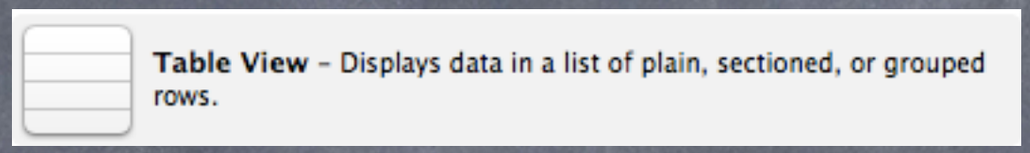


Table View – Displays data in a list of plain, sectioned, or grouped rows.

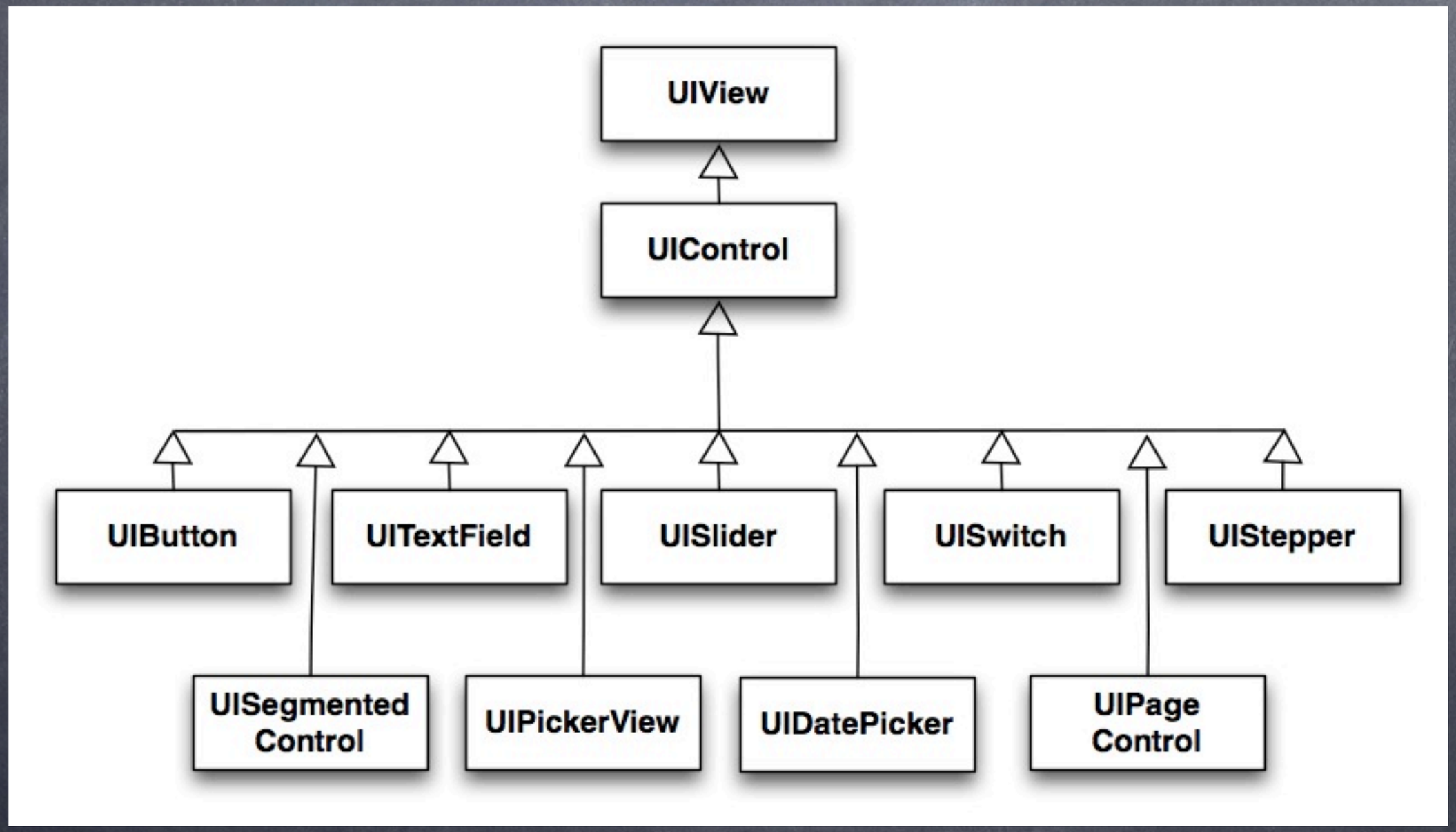
- iOS powerhorse!
- subclass of UIScrollView
- vertical list of content, single-column
- multiple sections, high-performance

UIControl

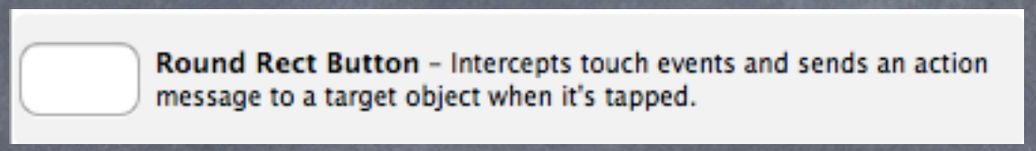
„UIControl is the base class for control objects such as buttons and sliders that convey user intent to the application.

You cannot use the UIControl class directly to instantiate controls. It instead defines the common interface and behavioral structure for all its subclasses."

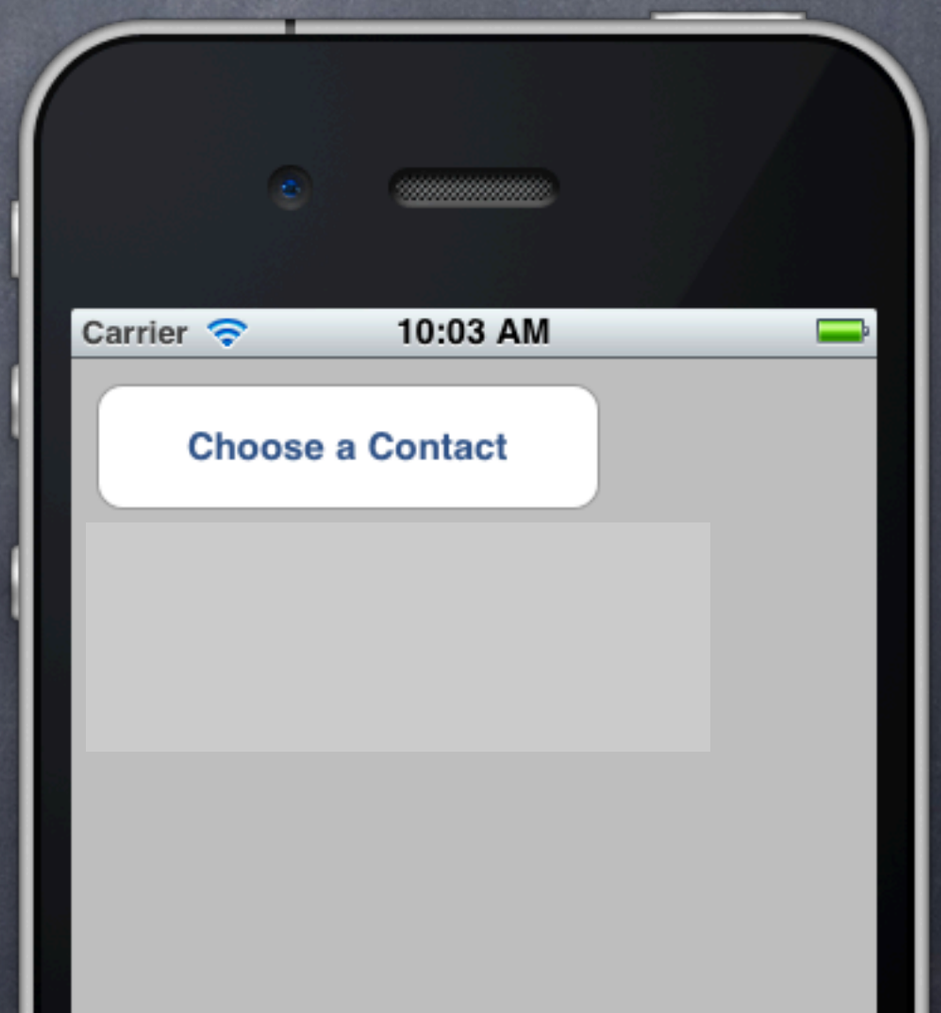
UIControl Hierarchy



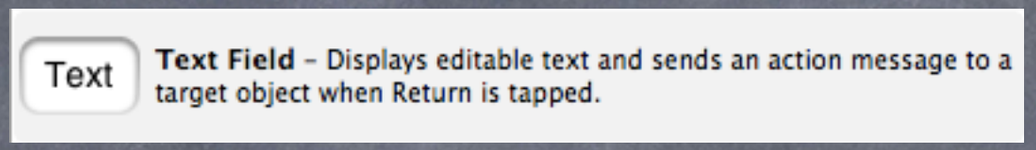
UIButton



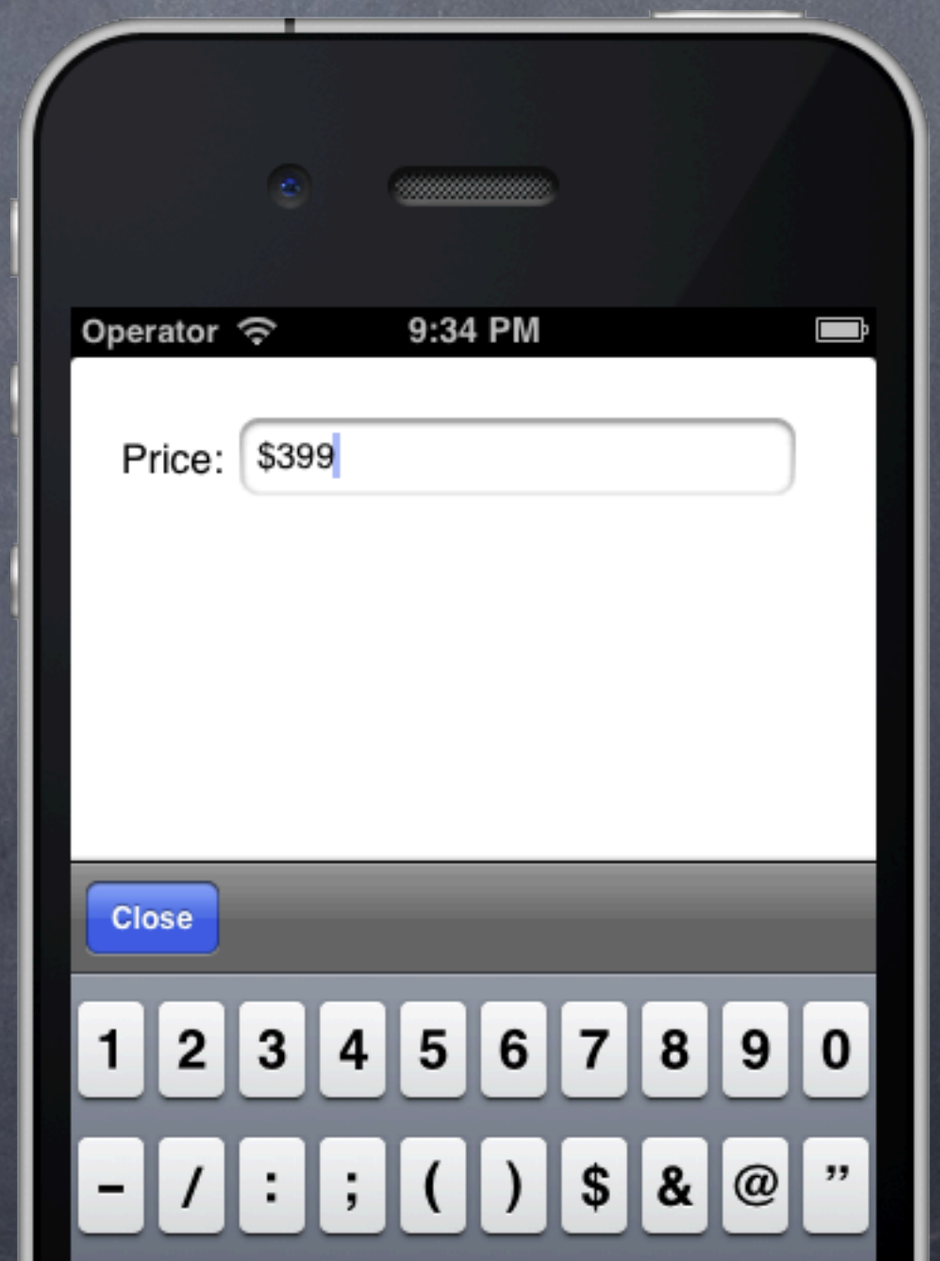
- intercepts touch events and sends an action message to a target
- round rect button
- image/text button
- info button



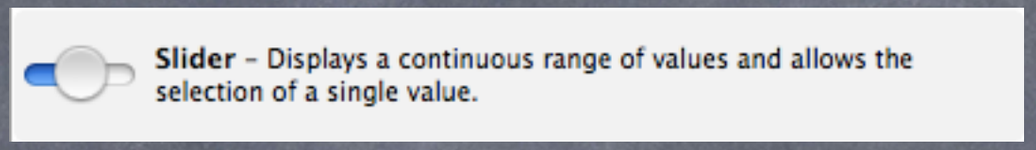
UITextField



- single-line text
- editable
- keyboard appears automatically

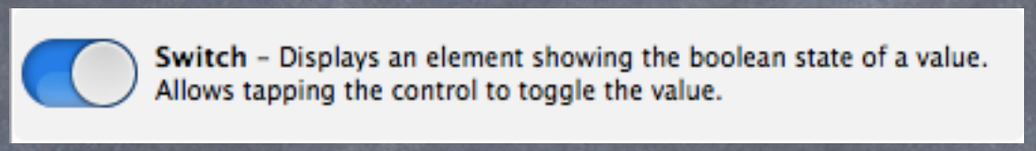


UISlider

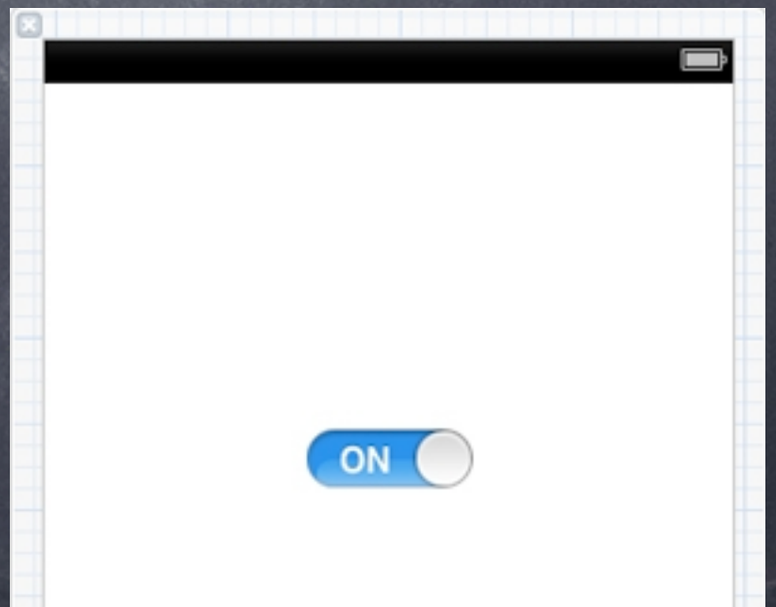


- select a single value from a continuous range of values
- horizontal bar
- thumb indicates current value

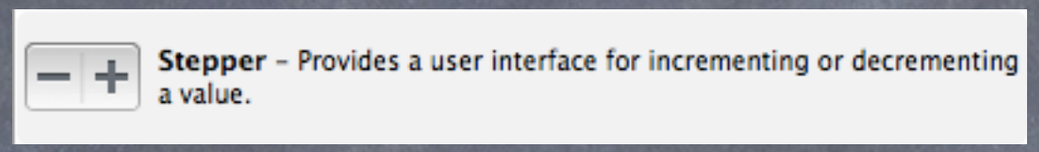
UISwitch



- simple on/off button
- on iOS instead of checkbox
- color customizable

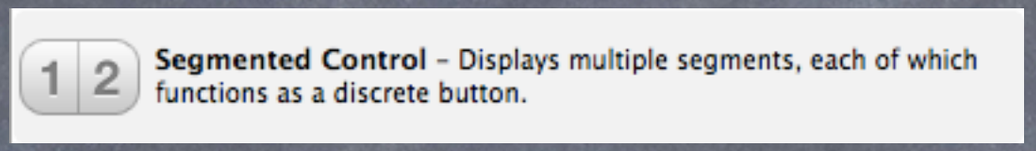


UIStepper



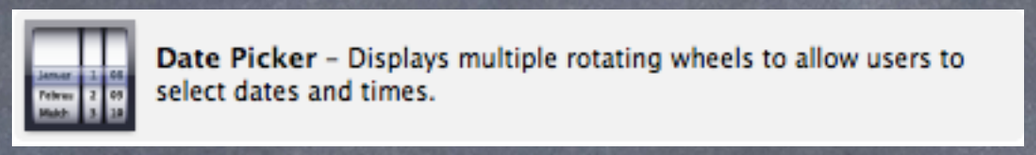
- incrementing or decrementing a discrete value
- since iOS 5

UISegmentedControl



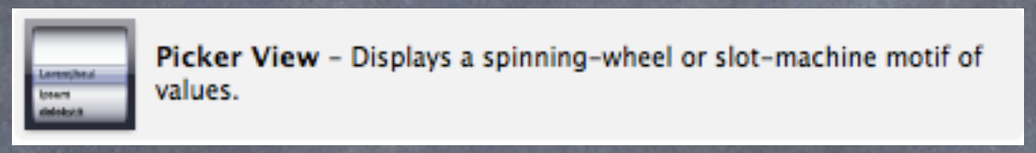
- horizontal control, groups together various buttons
- one of them is active
- text or image

UIDatePicker

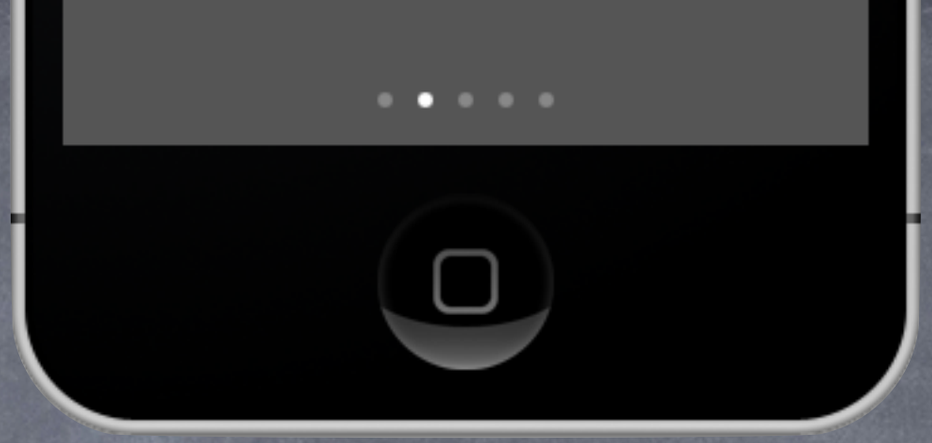


- rotating wheel to to select date and time
- accuracy can be configured
- no built-in „calendar control“

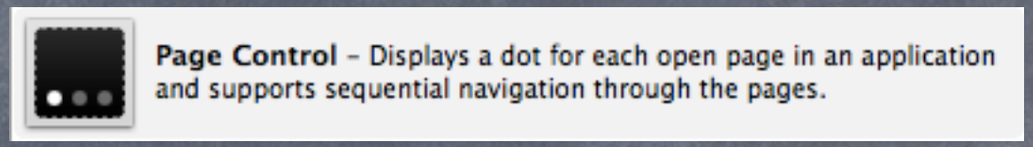
UIPickerView



- spinning wheel („slot machine“) of multiple discrete values to pick of
- similar to UIDatePicker



UIPageControl



- number of dots indicating multiple pages
- in combination with UIScrollView
- e.g. iOS homescreen

Further Literature

- UIControl Class References, Apple
  http://developer.apple.com/library/ios/#documentation/UIKit/Reference/UIControl_Class/Reference/Reference.html