

UITextView & UITextField

Fabrice.Kordon@lip6.fr



UITextView?



Potentially editable multiline text area

- Handling keyboard's appearance and disappearance
- Parameterization
 - ▶ The text area
 - ▶ Keyboard appearance (protocol `UITextInputTraits`)
 - ▶ User interaction (selectable property)
 - ▶ Use of attributed text (allows `EditingTextAttributes` property)



Principle

- Create the view
- Support the `UITextViewDelegate` protocol

UITextField?



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- Handling keyboard's appearance and disappearance
- Parameterization
 - ▶ The text area
 - ▶ Keyboard appearance (protocol `UITextInputTraits`)
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Principle

- Create the view
- Support the `UITextFieldDelegate` protocol

UITextViewDelegate & UITextFieldDelegate

Similar structure & behavior

- Method called before/after edition begins
- Method called before / after edition ends
- As soon as there is some change
 - ▶ Propagate the update?
- Authorize/forbid edition
- etc.

More to learn in the

- Too long otherwise 
- Next video details an example

Customizing keyboard

UITextInputTraits (integrated in both classes)

Attribut keyboardType

- ▶ **UIKeyboardTypeDefault, UIKeyboardTypeASCIICapable, UIKeyboardTypeNumbersAndPunctuation, UIKeyboardTypeURL, UIKeyboardTypeNumberPad, UIKeyboardTypePhonePad, UIKeyboardTypeNamePhonePad, UIKeyboardTypeEmailAddress, UIKeyboardTypeDecimalPad, UIKeyboardTypeTwitter, UIKeyboardTypeAlphabet**

Attribut returnKeyType

- ▶ **UIReturnKeyDefault, UIReturnKeyGo, UIReturnKeyGoogle, UIReturnKeyJoin, UIReturnKeyNext, UIReturnKeyRoute, UIReturnKeySearch, UIReturnKeySend, UIReturnKeyYahoo, UIReturnKeyDone, UIReturnKeyEmergencyCall**

Attribut keyboardAppearance

- ▶ **UIKeyboardAppearanceDefault, UIKeyboardAppearanceDark, UIKeyboardAppearanceLight, UIKeyboardAppearanceAlert**


Customizing keyboard



UITextInputTraits (integrated in both classes)

Attribut keyboardType

- ▶ UITextInputTraits
- ▶ UITextField
- ▶ UITextView
- ▶ UILabel
- ▶ UIButton
- ▶ UISearchBar



Swift

default, asciiCapable, numbersAndPunctuation, URL, numberPad, phonePad, namePhonePad, emailAddress, decimalPad, twitter, webSearch, NumberPad

Attribut returnKey

- ▶ UIReturnKeyDefault
- ▶ UIReturnKeyGo
- ▶ UIReturnKeySearch
- ▶ UIReturnKeySend
- ▶ UIReturnKeyDone
- ▶ UIReturnKeyEmergencyCall
- ▶ UIReturnKeyContinue



Swift

default, go, google, join, next, route, search, send, yahoo, done, emergencyCall, continue

Attribut keyboardAppearance

- ▶ UIKeyboardAppearanceDefault
- ▶ UIKeyboardAppearanceDark
- ▶ UIKeyboardAppearanceAlert



Swift

default, dark, light, alert

Label

KeyJoin,
KeySend,

ceDark ,
Alert

As a conclusion...

Keyboard appearance

- Automatic

Keyboard disappearance

- Explicit

- ▶ `resignFirstResponder()`
- ▶ when you «get the hand»

Attributed text?

- See the

RTFM!



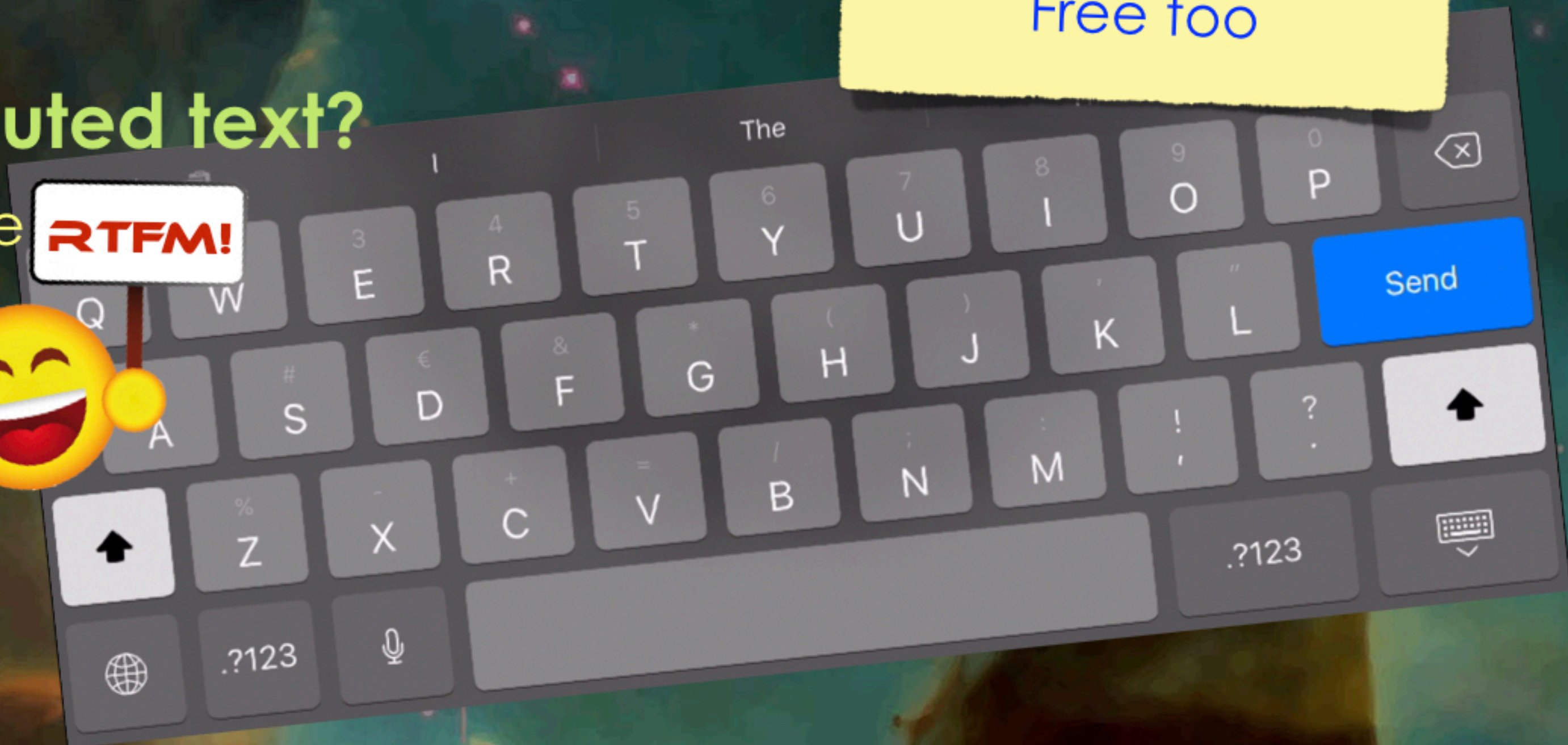
SIRI for free!

`asciiCapable`



Suggestions?

`Free too`



One more thing...



Caution

You should avoid this...

