

UIToolBar

Fabrice.Kordon@lip6.fr

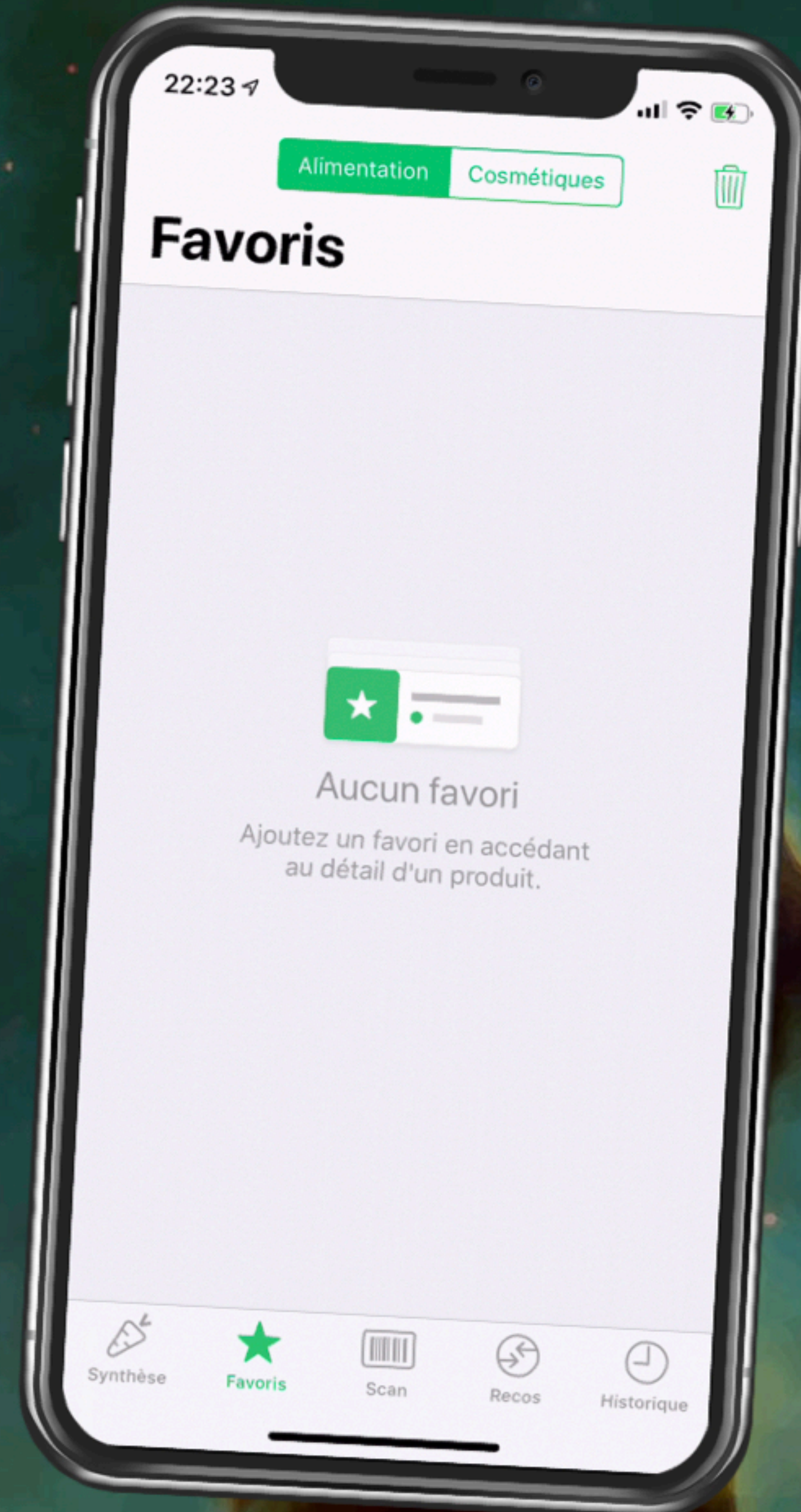


UIToolBar?

2

- 📱 **A dedicated view**
 - 👤 Behaves like any UIView
 - ▶ Usually located on top or on bottom

- 📱 **Customization**
 - 👤 Appearance
 - 👤 Buttons
 - ▶ UIBarButtonItem
 - ▶ Also used in a UINavigationController (discussed later)
 - 👤 Button customization
 - ▶ Predefined, text, or images



UIToolBar appearance



UIBarStyle



Objective-C

- ▶ UIBarStyleDefault
- ▶ UIBarStyleBlack



Swift

- ▶ .default
- ▶ .black



Attributes



tintColor



barTintColor



More possibilities
Use a background image...



UIToolBar elements

Attribute items

- Array of UIBarButtonItem
- Predefined buttons
 - ▶ Proposed by iOS (add, finish, edit, cancel, etc.)
- Standard with text
- Customized

Methods

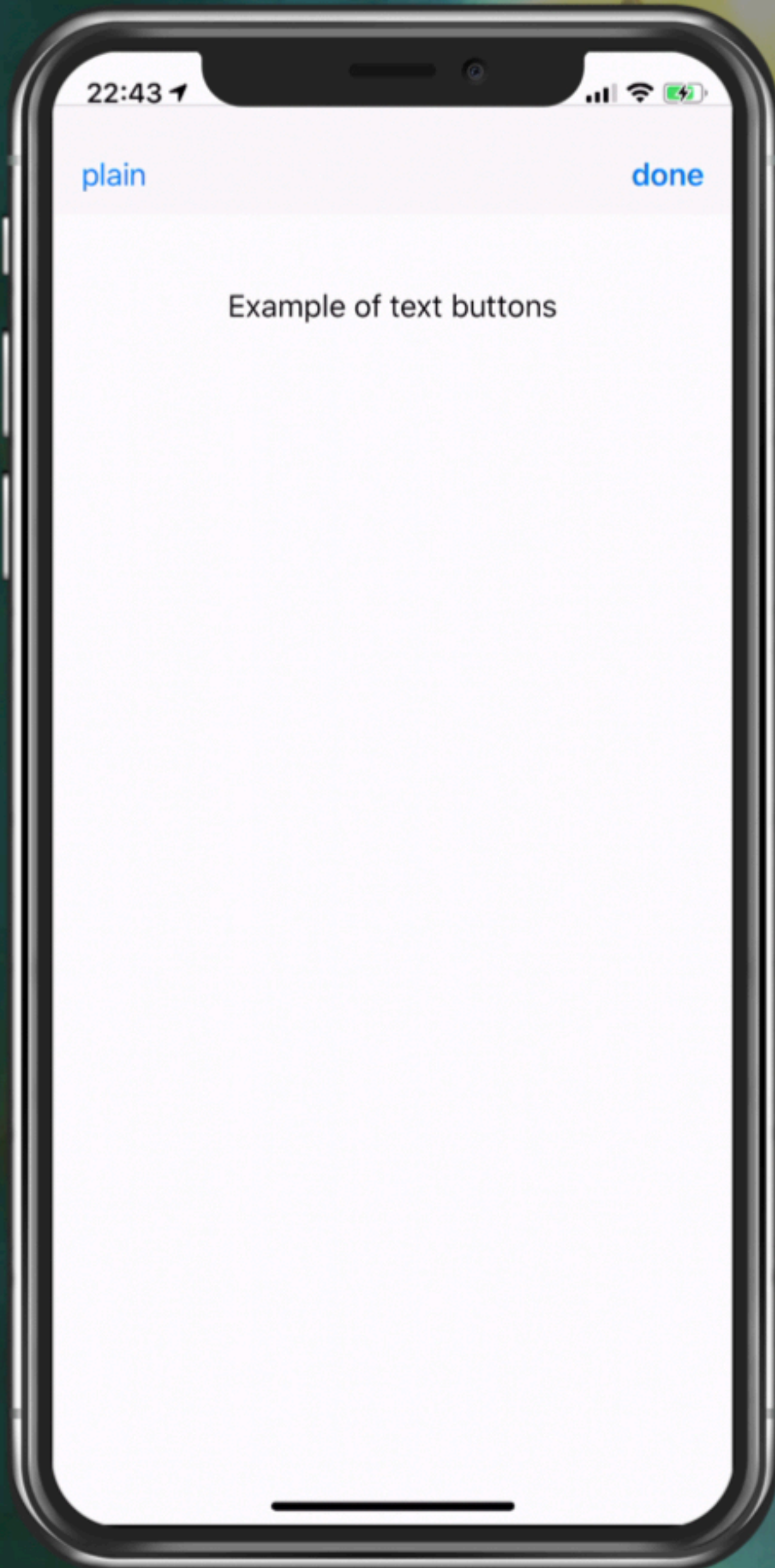
- `init(barButtonItemSystemItem:target:action:)`
- `init(title:style:target:action:)`
- `init(image:style:target:action:)`
- `init(customView:)`
 - ▶ Here the action should be handled by the view

predefined UIBarButton

| | |
|---|----------------------|
| UIBarButtonItemSystemItemDone | done |
| UIBarButtonItemSystemItemCancel | Cancel |
| UIBarButtonItemSystemItemEdit | edit |
| UIBarButtonItemSystemItemSave | save |
| UIBarButtonItemSystemItemAdd | add |
| UIBarButtonItemSystemItemFlexibleSpace | flexibleSpace |
| UIBarButtonItemSystemItemFixedSpace | fixedSpace |
| UIBarButtonItemSystemItemCompose | compose |
| UIBarButtonItemSystemItemReply | reply |
| UIBarButtonItemSystemItemAction | action |
| UIBarButtonItemSystemItemOrganize | organize |
| UIBarButtonItemSystemItemBookmarks | bookmarks |
| UIBarButtonItemSystemItemSearch | search |
| UIBarButtonItemSystemItemRefresh | refresh |
| UIBarButtonItemSystemItemStop | stop |
| UIBarButtonItemSystemItemCamera | camera |
| UIBarButtonItemSystemItemTrash | trash |
| UIBarButtonItemSystemItemPlay | play |
| UIBarButtonItemSystemItemPause | pause |
| UIBarButtonItemSystemItemRewind | rewind |
| UIBarButtonItemSystemItemFastForward | fastForward |
| UIBarButtonItemSystemItemUndo | undo |
| UIBarButtonItemSystemItemRedo | redo |
| UIBarButtonItemSystemItemPageCurl | pageCurl |



UIBarButtonItem with text



Reminder, dedicated init



`init(title:style:target:action:)`



UIBarButtonItemStyle



Objective-C

- ▶ UIBarButtonItemStylePlain
- ▶ UIBarButtonItemStyleDone



Swift

- ▶ Plain
- ▶ Done

As a conclusion...

- 📱 **Easy to use!**
 - 🔗 Targets association as for UIButtons
 - 🔗 Predefined buttons
 - ▶ **Unified «look and feel»**



- 📱 **You may customize**
 - 🔗 Change of the color
 - 🔗 Change everything

- 📱 **You MUST use it!**
 - 🔗 Integrated with some controllers
 - ▶ **Navigation bar**
 - 🔗 sizeToFit method
 - ▶ **should handle standard width and height (not convinced)**

As a conclusion...

Easy to use!

- Targets association as for UIButtons
- Predefined buttons
 - ▶ Unified «look and feel»



You may customize

- Change of
- Change ev



Nice to know!

A UIToolBar's width is the one of the view
A UIToolBar height is 44 points

You MUST

- Integrated with some controllers
 - ▶ Navigation bar
- sizeToFit method
 - ▶ should handle standard width and height (not convinced)