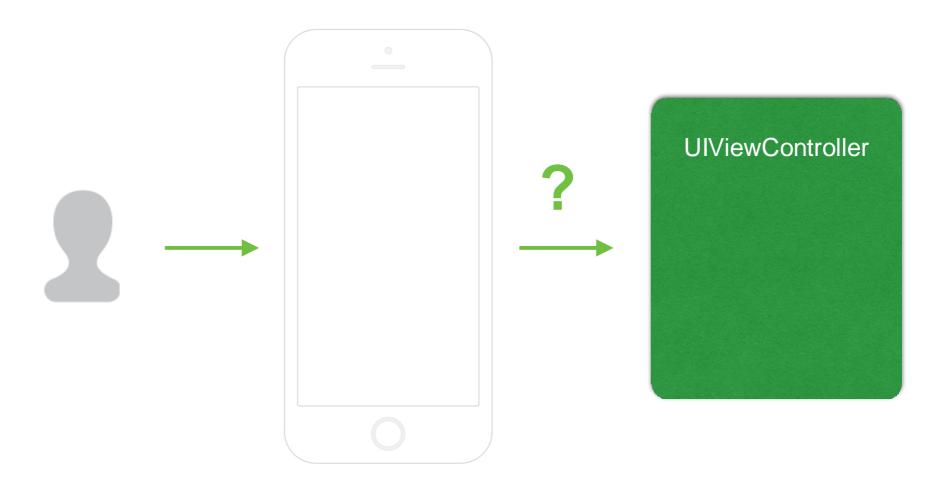


Взаємодія з елементами інтерфейсу

LITE Australia months

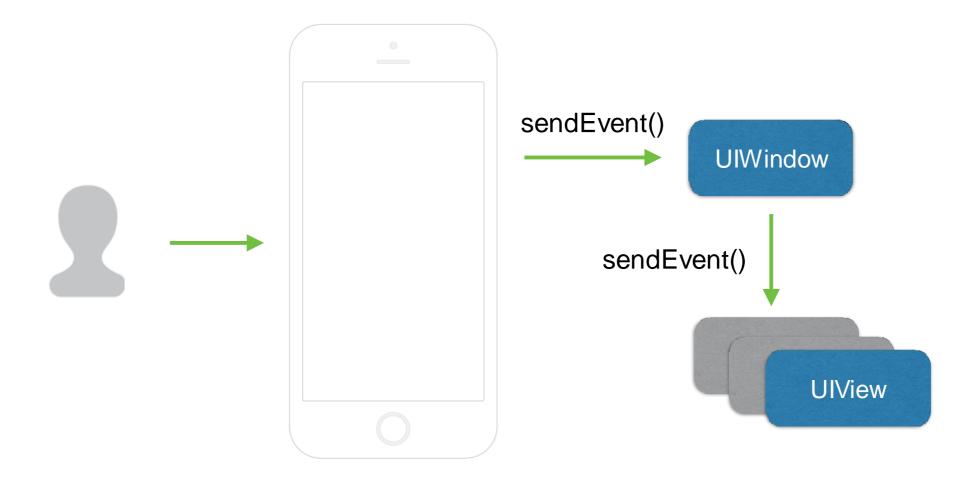


Взаємодія



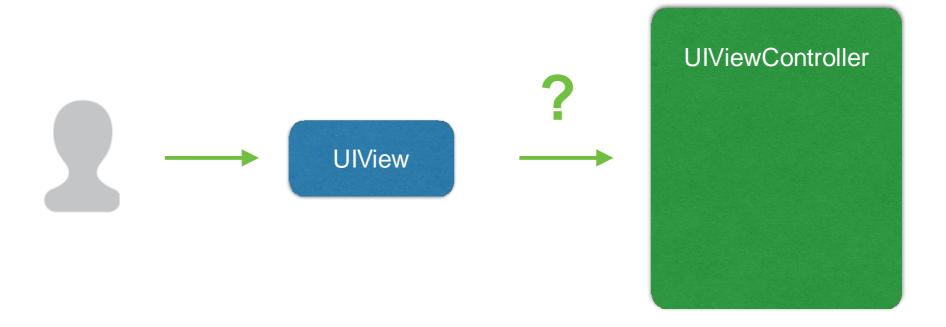


Взаємодія





Взаємодія





Що мирозглянемо

- Target / Action
- Delegation
- NSNotification
- Робота з клавіатурою, введення тексту
- UITableView





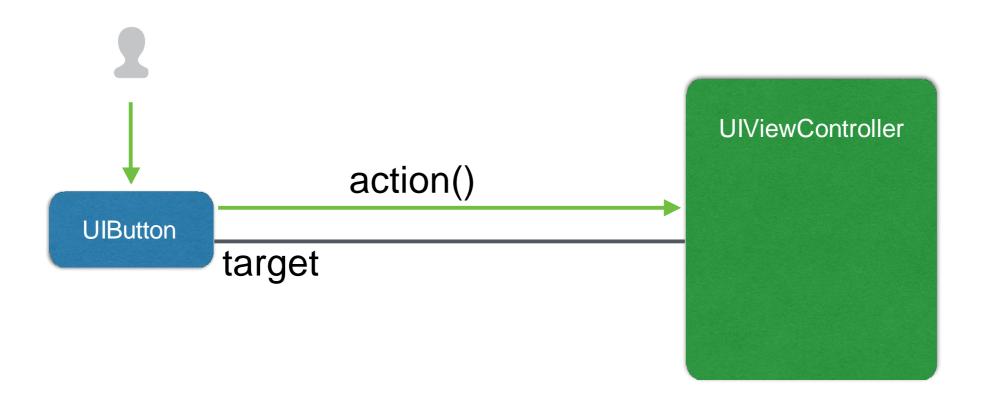


```
ViewController:

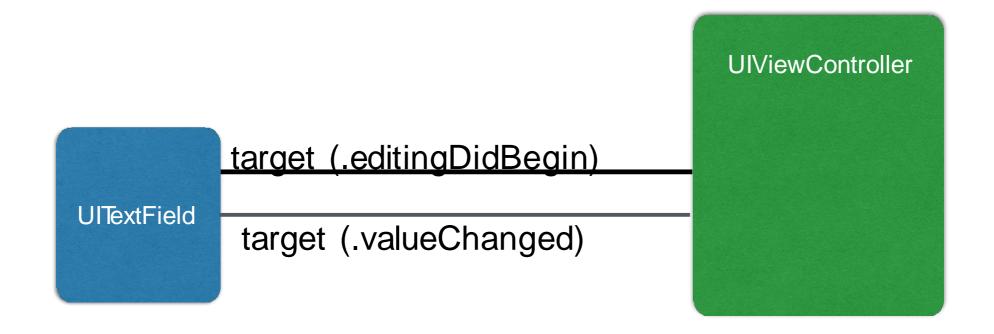
override func viewDidLoad() {
    // ...
   button.addTarget(self, action:
        #selector(ViewController.buttonAction), for:
        .touchUpInside)
}

func buttonAction() {
    // Handle
}
```









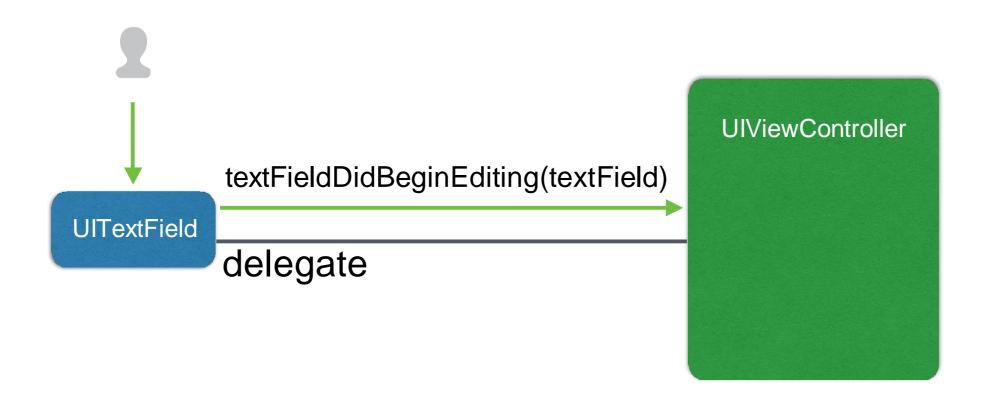


```
ViewController:
override func viewDidLoad() {
    // ...
    textField.addTarget(self, action:
      #selector(ViewController.fieldActivated(sender:)),
      .editingDidBegin)
func fieldActivated(sender: AnyObject!) {
    if let textField = sender as? UITextField ...
    // Handle
```











```
class ViewController: UIViewController, UITextFieldDelegate

override func viewDidLoad() {
    textField.delegate = self
}

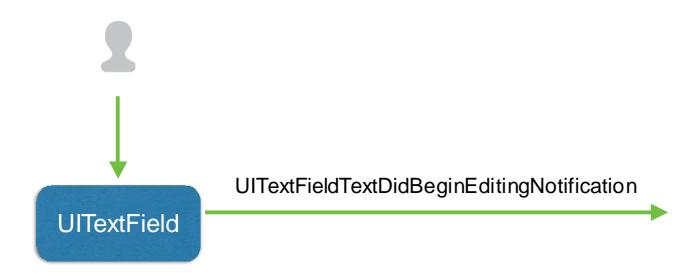
func textFieldDidBeginEditing(_ textField: UITextField) {
    // Handle
}
```



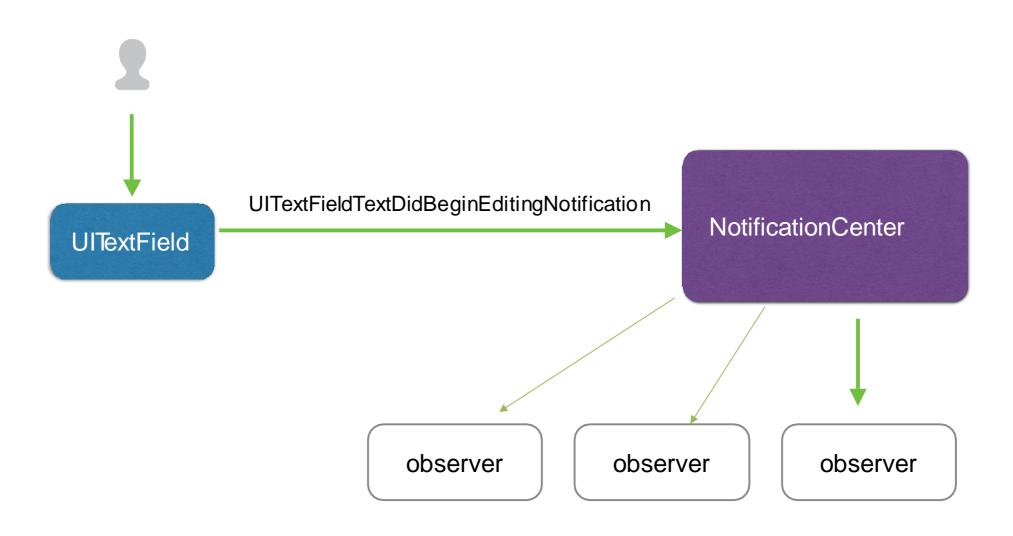




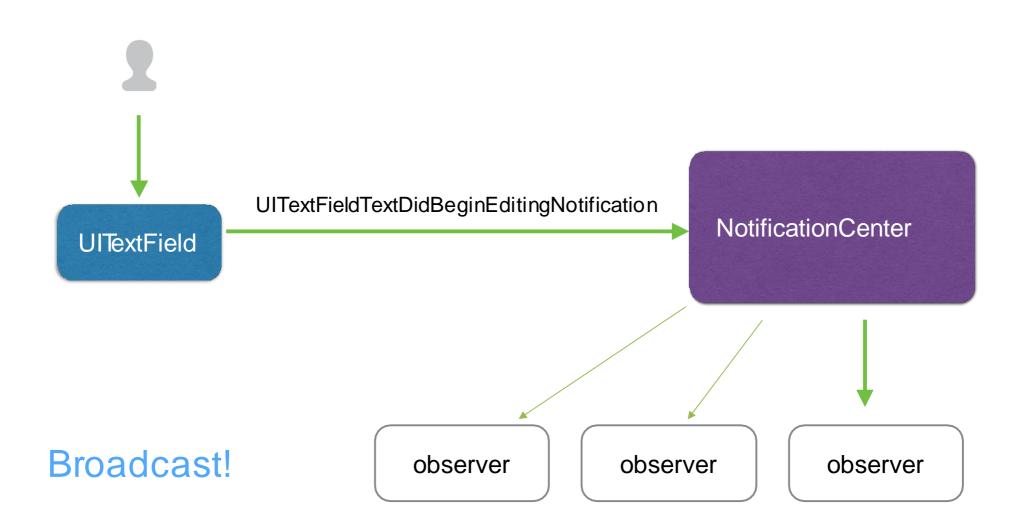












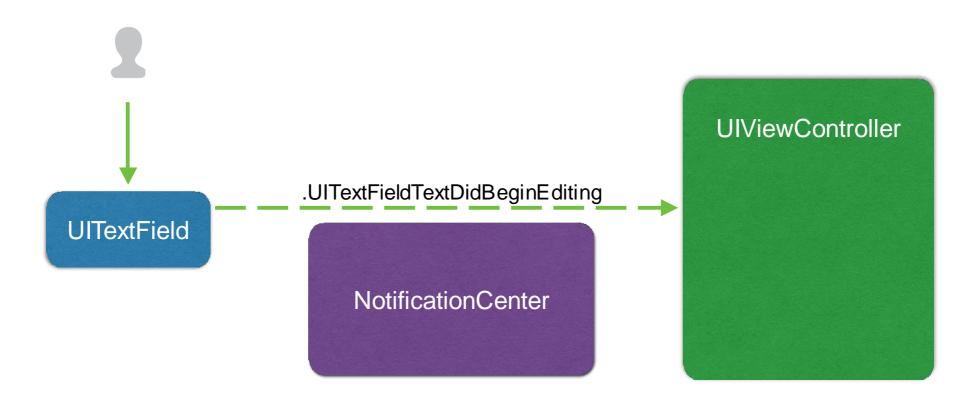


```
override func viewDidLoad() {
   if let field = textField {
       let nc = NotificationCenter.default
       nc.addObserver(self, selector: #selector("didActivate"), name:
       .UITextFieldTextDidBeginEditing, object: field)
func didActivate(notification: Notification) {
```



```
override func viewDidLoad() {
      if let field = textField {
          let nc = NotificationCenter.default
          nc.addObserver(self, selector:
          #selector(ViewController.didActivate(notification:)), name:
   .UITextFieldTextDidBeginEditing, object: field)
func didActivate(notification: Notification) {
   if let field = notification.object as? UITextField {
       if field == self.textField {
            // Handle
```

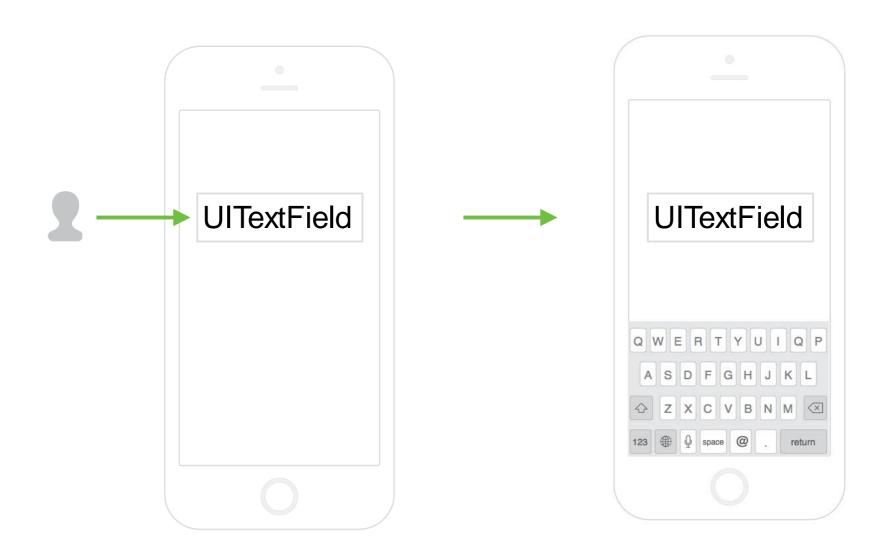




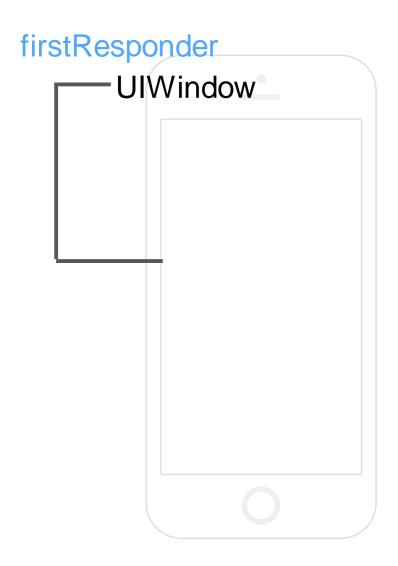


```
override func viewDidLoad() {
   if let field = textField {
      let nc = NotificationCenter.default
      nc.addObserver(self,
      selector: #selector(ViewController.didActivate(notification:) name:
      ),
   .UITextFieldTextDidBeginEditing, object: field)
      }
}
deinit {
    NotificationCenter.default.removeObserver(self)
}
```

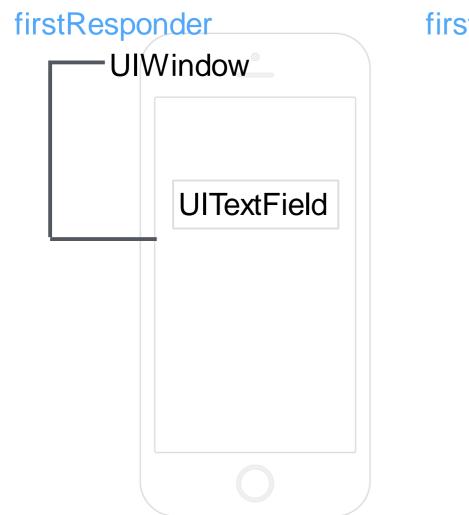


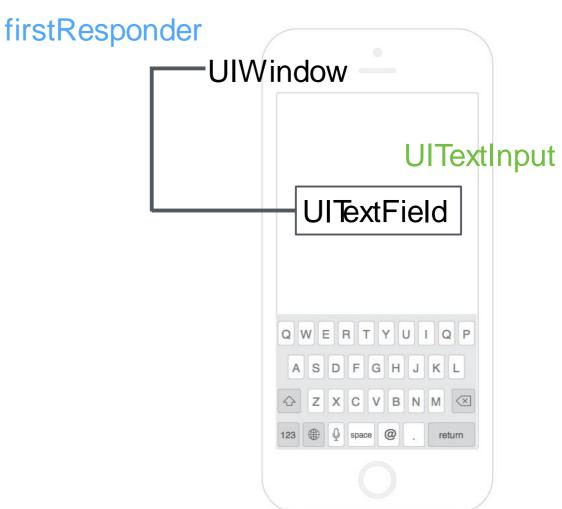














```
textField.becomeFirstResponder()
```

textField.resignFirstResponder()

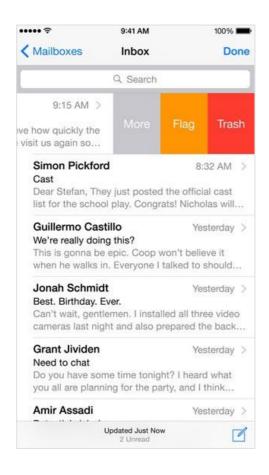


- .UIKeyboardWillShow
- .UIKeyboardDidShow
- .UIKeyboardWillHide
- .UIKeyboardDidHide

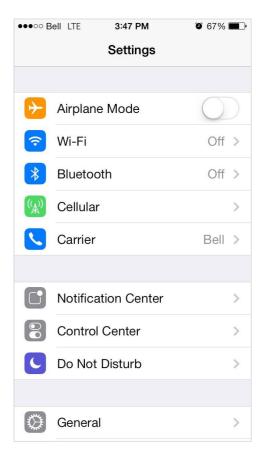
notification object nil



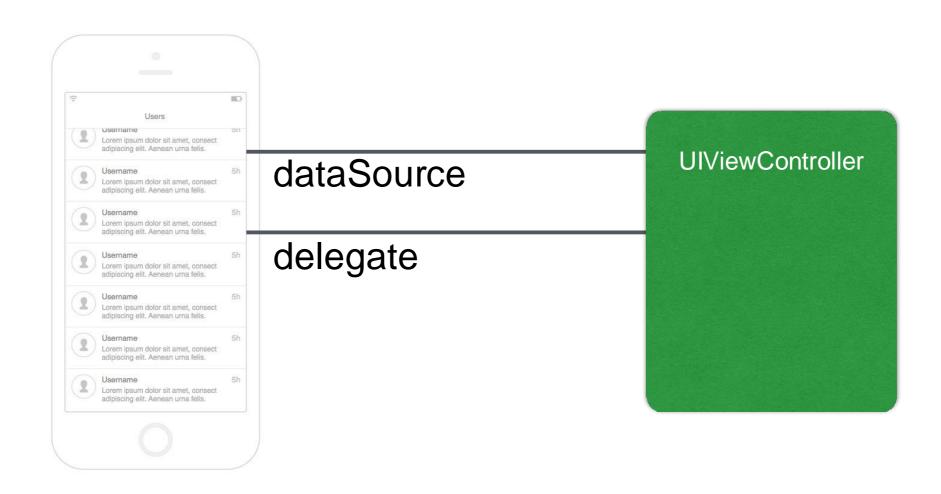






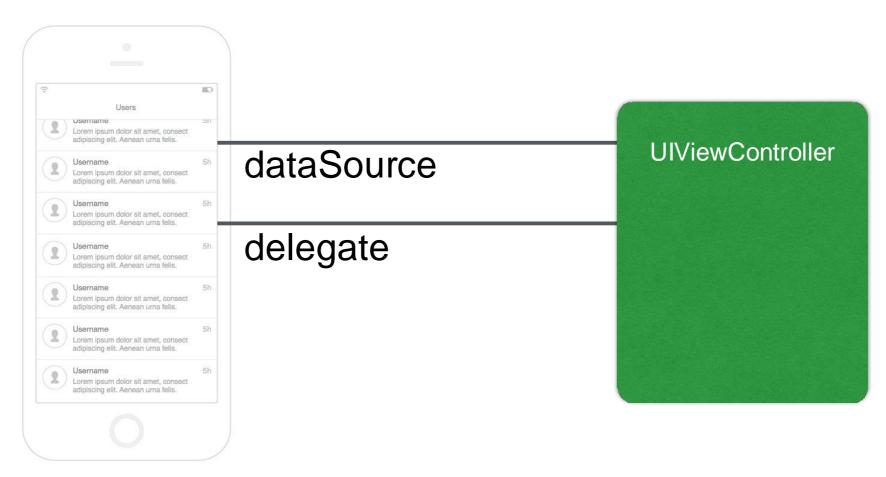




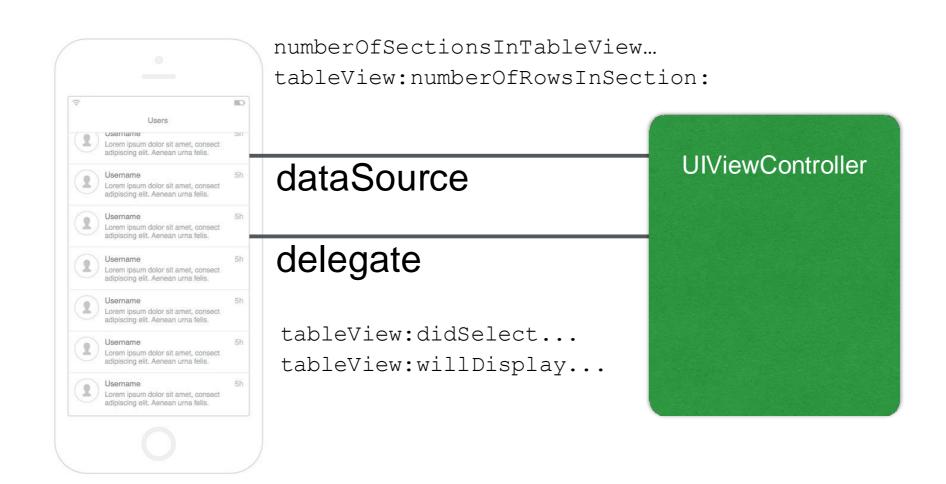




dataSource чи delegate?

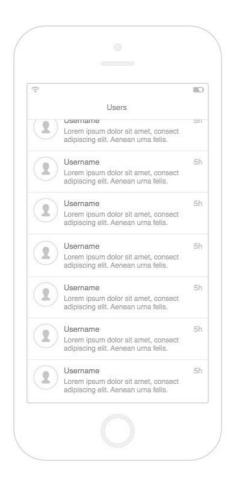














UITableViewCell

Cells are reused!!!





UITableView Cell Reuse



Demo



UITableViewController

- Можна налаштувати в сторіборді
- UIRefreshControl
- Статичні селли



- зручно для інтерфейсу, схожого на Settings.app
 - "Grouped" table view, різнорідними селлами, сталий порядок селлів в кожній секції



Отже

- Target / Action
- Delegation
- Notification
- UIResponder / UIKeyboard
- UITableView



Самостійне завдання

1 Почитати документацію



Самостійне завдання



