

EE443 / EE593
Mobile Application Development

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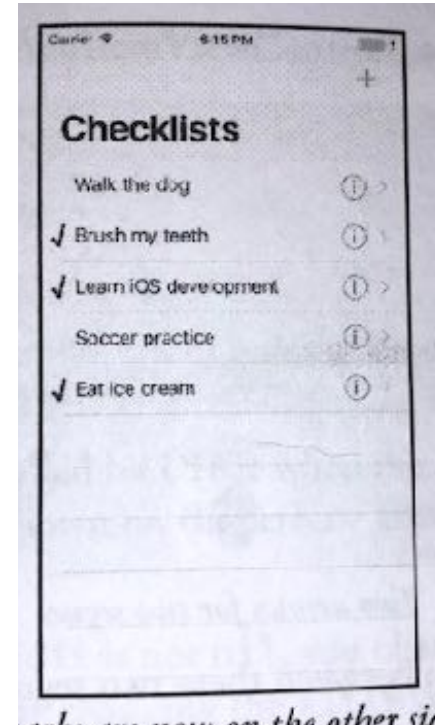
Lecture 11: Chapter 14: Edit Items

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Objective

- Create a screen with the ability to edit existing items in the checklist

First things first



- Add a detail disclosure accessory
- Move checkmark (label)

```
func configureCheckmark(for cell: UITableViewCell,
                        with item: ChecklistItem) {

    let label = cell.viewWithTag(1001) as! UILabel

    if item.checked {
        label.text = "🧐"
    } else {
        label.text = ""
    }
}
```

Edit screen segue

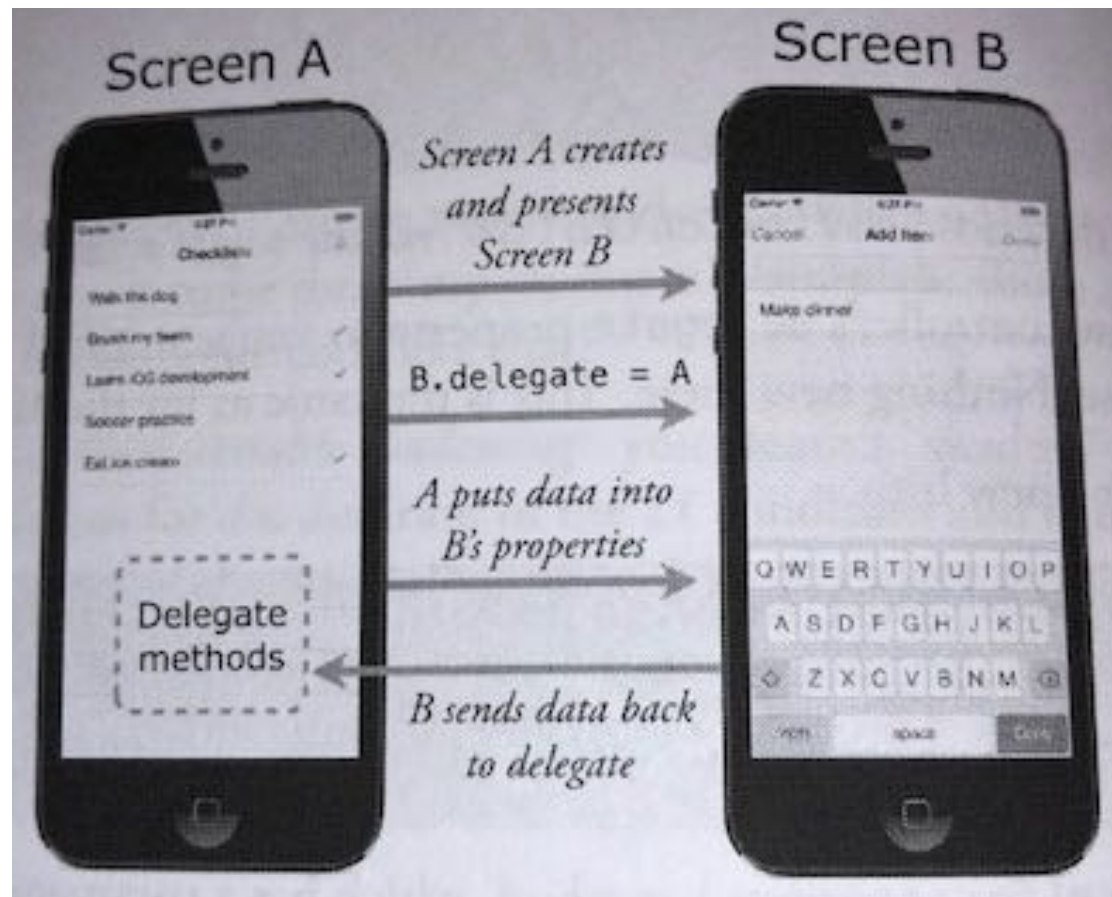
- Create second segue for Edit Item button
- Update Add Item Screen

```
var itemToEdit: ChecklistItem?
```

```
override func viewDidLoad() {  
    super.viewDidLoad()  
    navigationItem.largeTitleDisplayMode = .never  
    if let item = itemToEdit {  
        title = "Edit Item"  
        textField.text = item.text  
    }  
}
```

Set edit item

- Set the delegate property
- Find existing entry and open it in Edit Item screen



Enable Done button

```
override func viewDidLoad() {
    super.viewDidLoad()
    navigationItem.largeTitleDisplayMode = .never
    if let item = itemToEdit {
        title = "Edit Item"
        textField.text = item.text
        doneBarButton.isEnabled = true
    }
}
```

- Enable Done once there is some text in the entry

Handle edits

- We want our new element to be added to the checklist when we click Done

```
func addItemViewController(_ controller: AddItemViewController,  
                           didFinishEditing item: ChecklistItem)
```

```
if let itemToEdit = itemToEdit {  
    itemToEdit.text = textField.text!  
    delegate?.addItemViewController(self, didFinishAdding:  
itemToEdit)  
} else {
```

Oh no!

- “Build Failed”
- We need to update the label for the table view

```
func addItemViewController(_ controller: AddItemViewController,
didFinishEditing item: ChecklistItem) {
    if let index = items.index(of: item) {
        let indexPath = IndexPath(row: index, section: 0)
        if let cell = tableView.cellForRow(at: indexPath) {
            configureText(for: cell, with: item)
        }
    }
}
navigationController?.popViewController(animated: true)
}
```

Now what?

- **Error!!** “Cannot invoke index with an argument list of type ‘(of: ChecklistItem)’”

ChecklistItem.swift

```
class ChecklistItem: NSObject
```

Finally, it works!

