iPhone App Dev

Lesson 6

Source

https://github.com/bryanttang/iOS-Class-2015-9.git

Contact

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Test

- Scope: All in handout!
- Date: 10/22 (45 minites)

Project

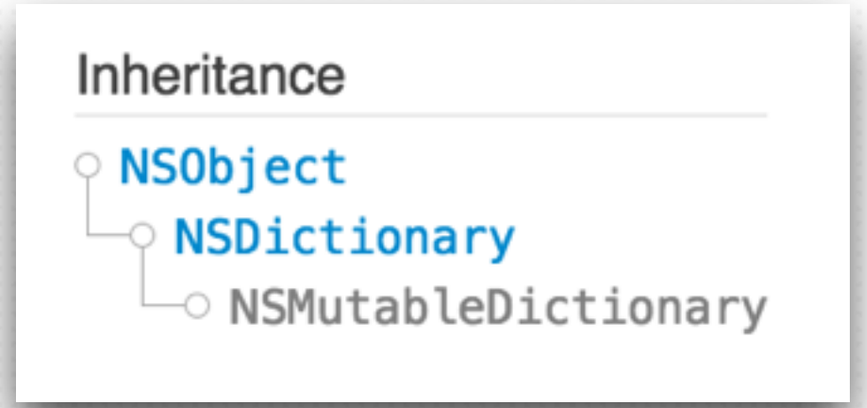
- Type: Game, Utility
- Demo date: 10/22 (1 hour)

Summary

- Custom Table View Cell, NSDictionary
- Navigation Controller
- View cycle
- Debug mode

Dictionary (advance)

- NSMutableDictionary
  - Add KeyPair
    - - setObject:forKey:
  - Remove KeyPair
    - - removeObjectForKey:



Custom Table View Cell

How to make a custom Cell?

-New a Class inheritance TableViewCell

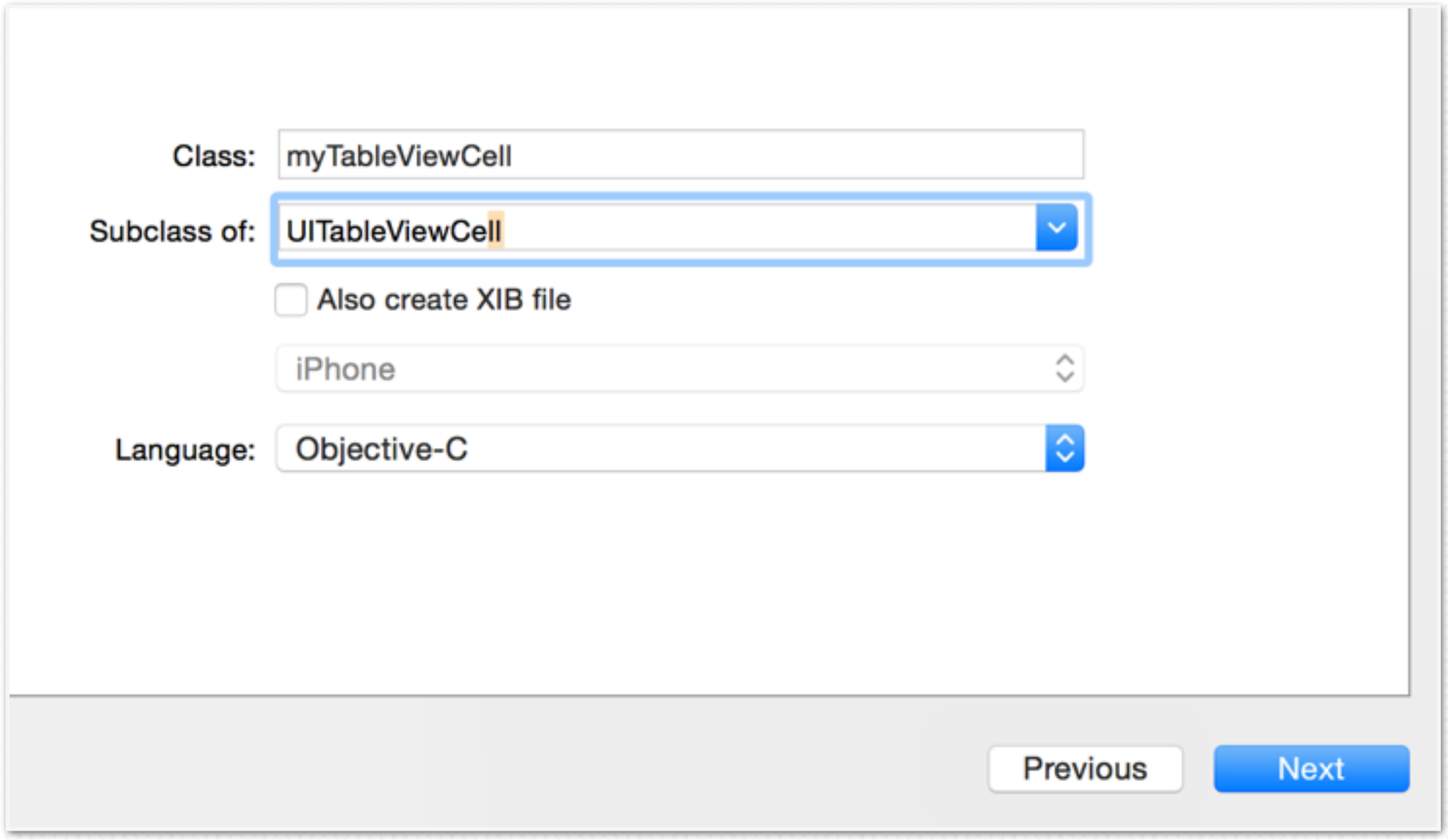
-Define what information would show on cell
(e.g. name, user image, description)

-Design custom cell UI in storyboard

-Implement cell in DataSource function in TableViewController

Custom Table View Cell

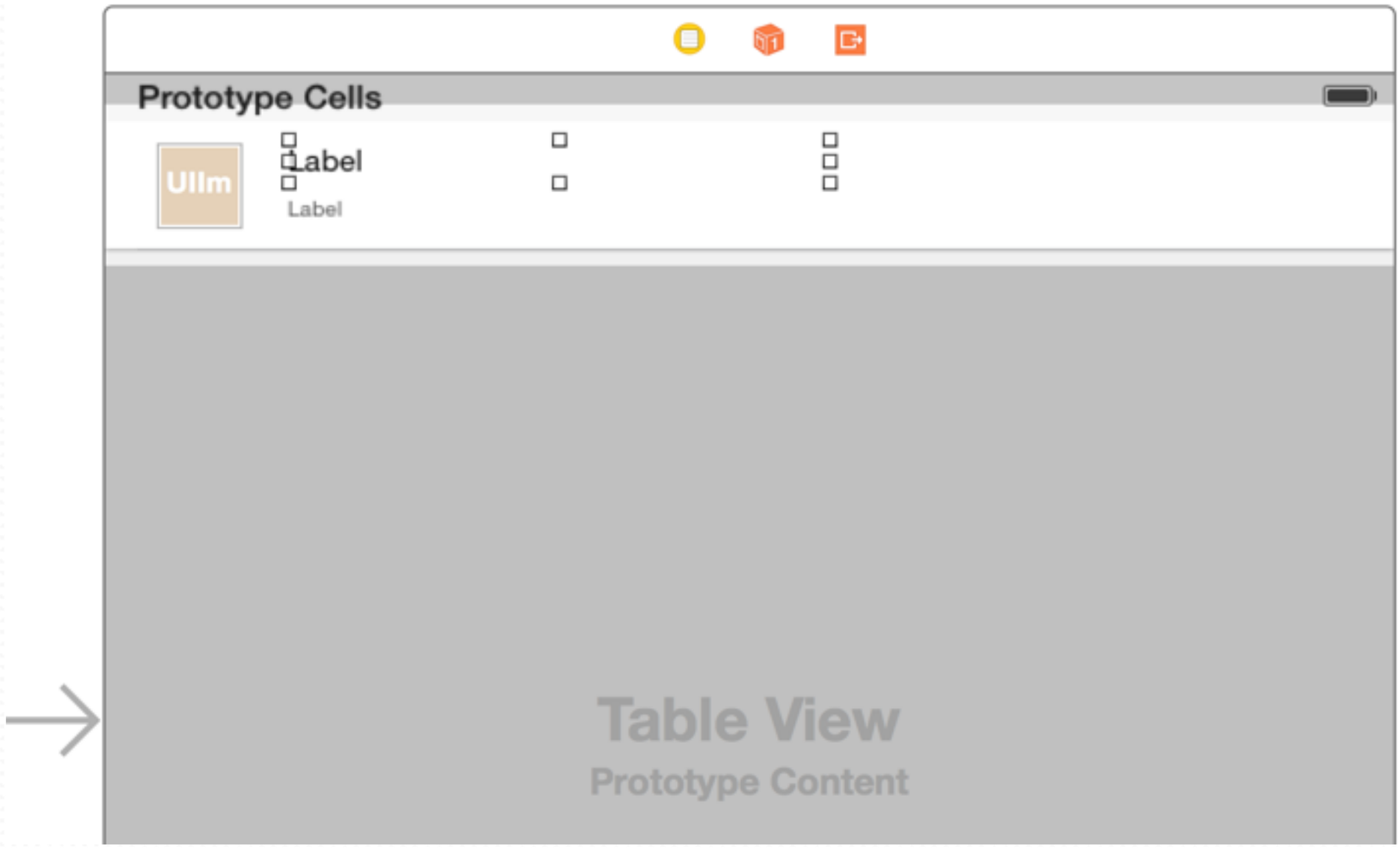
New a Class inheritance TableViewCell



Custom Table View Cell

-Define what information would show on cell
(e.g. name, user image, description)

-Design custom cell UI in storyboard

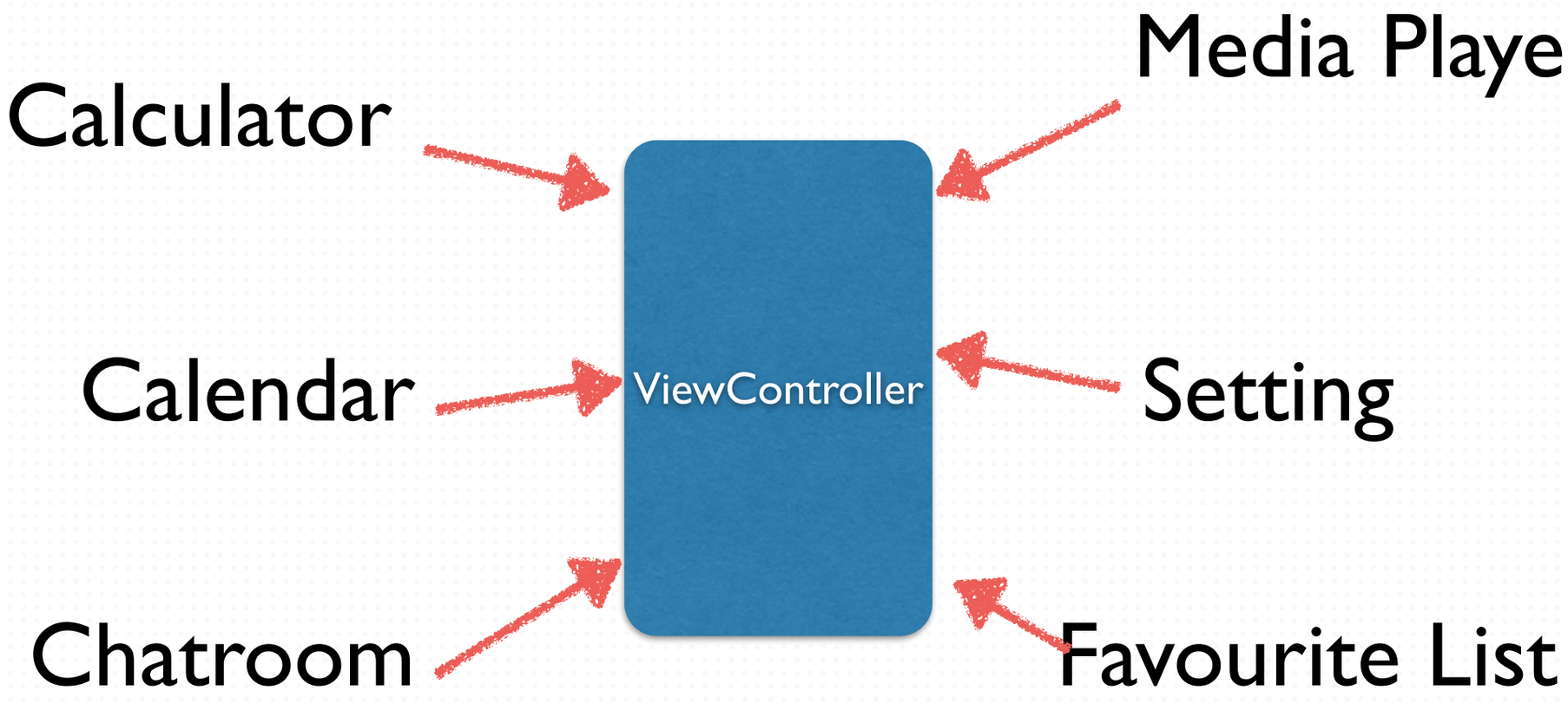


Navigation Controller

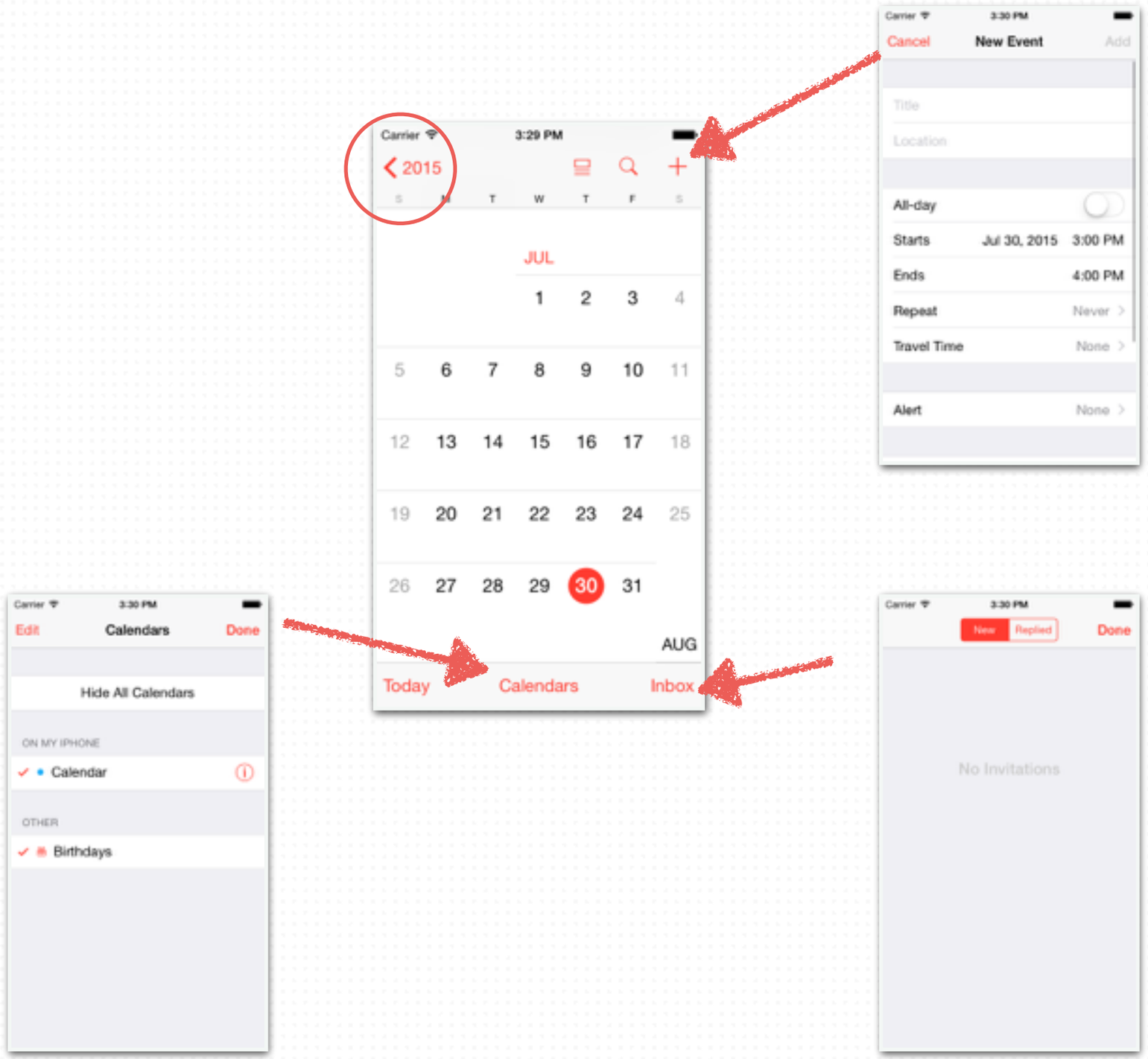
Demo

Navigation Controller

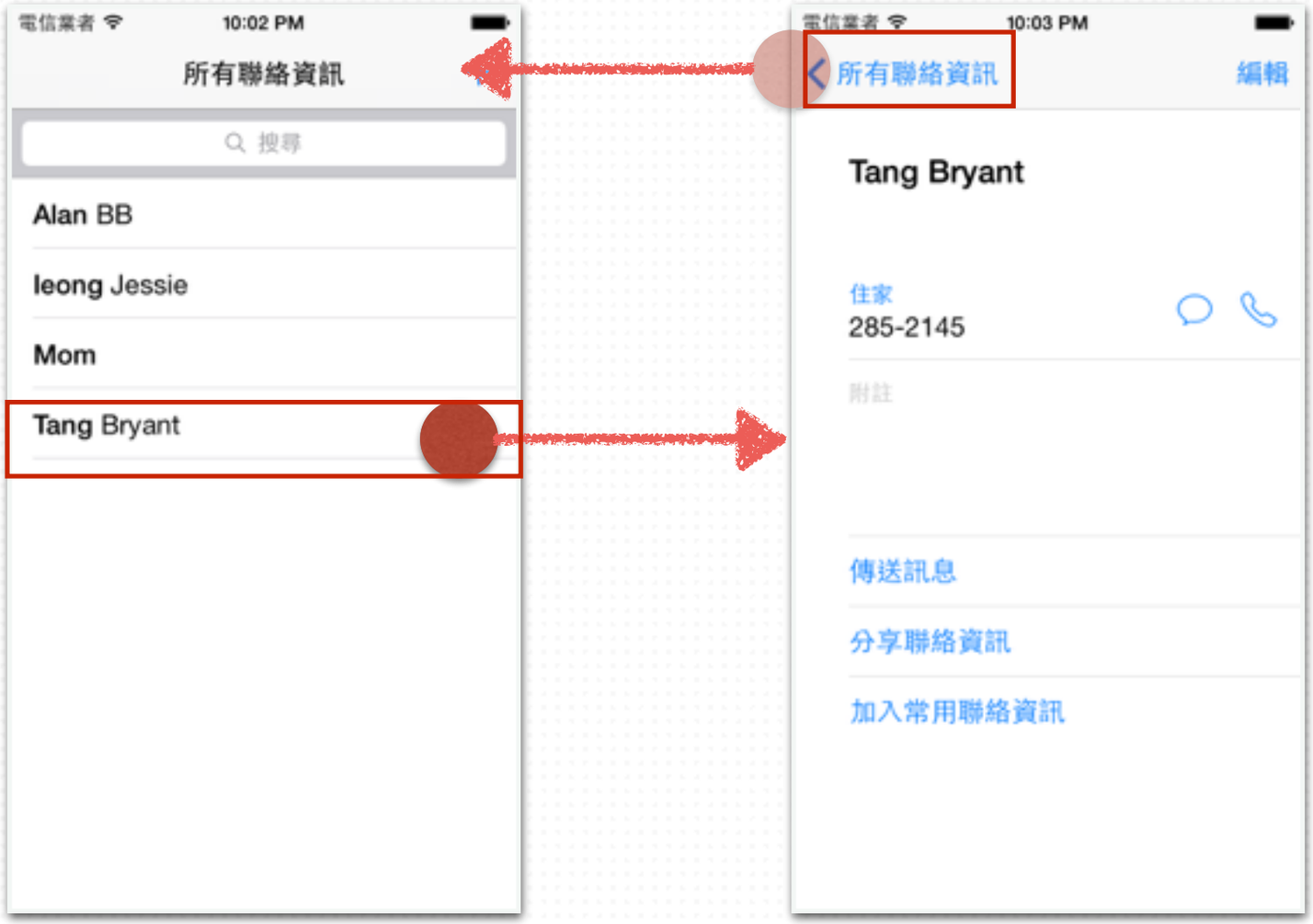
- Don’t use only “ONE” Controller in your app



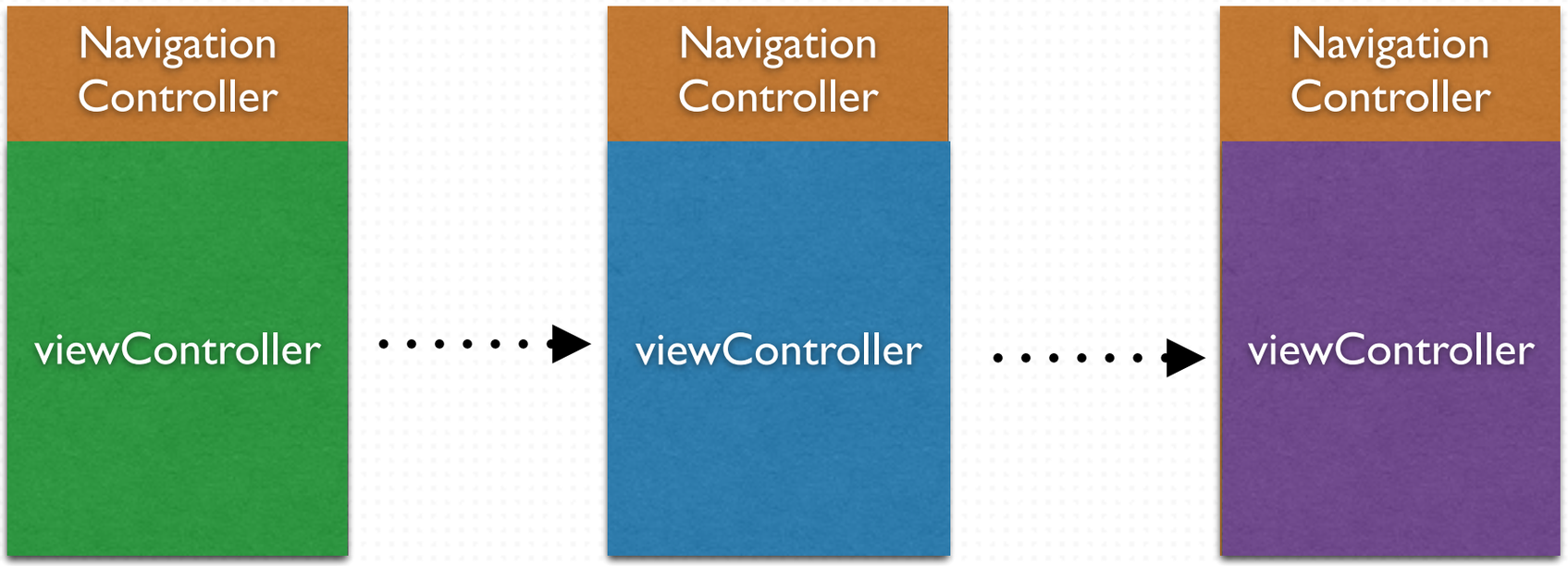
Navigation Controller



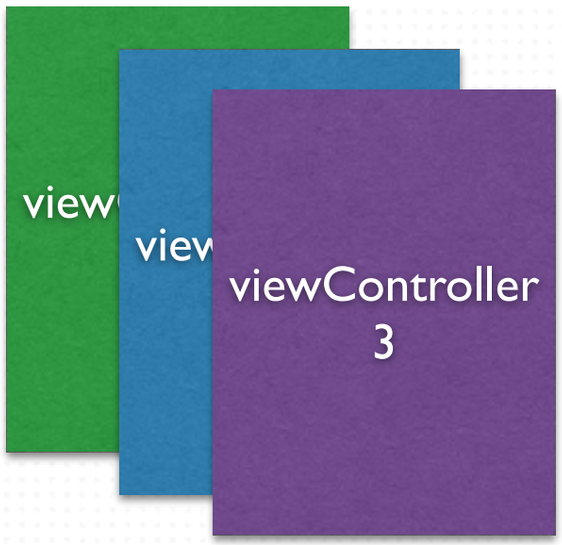
Navigation Controller



Navigation Controller

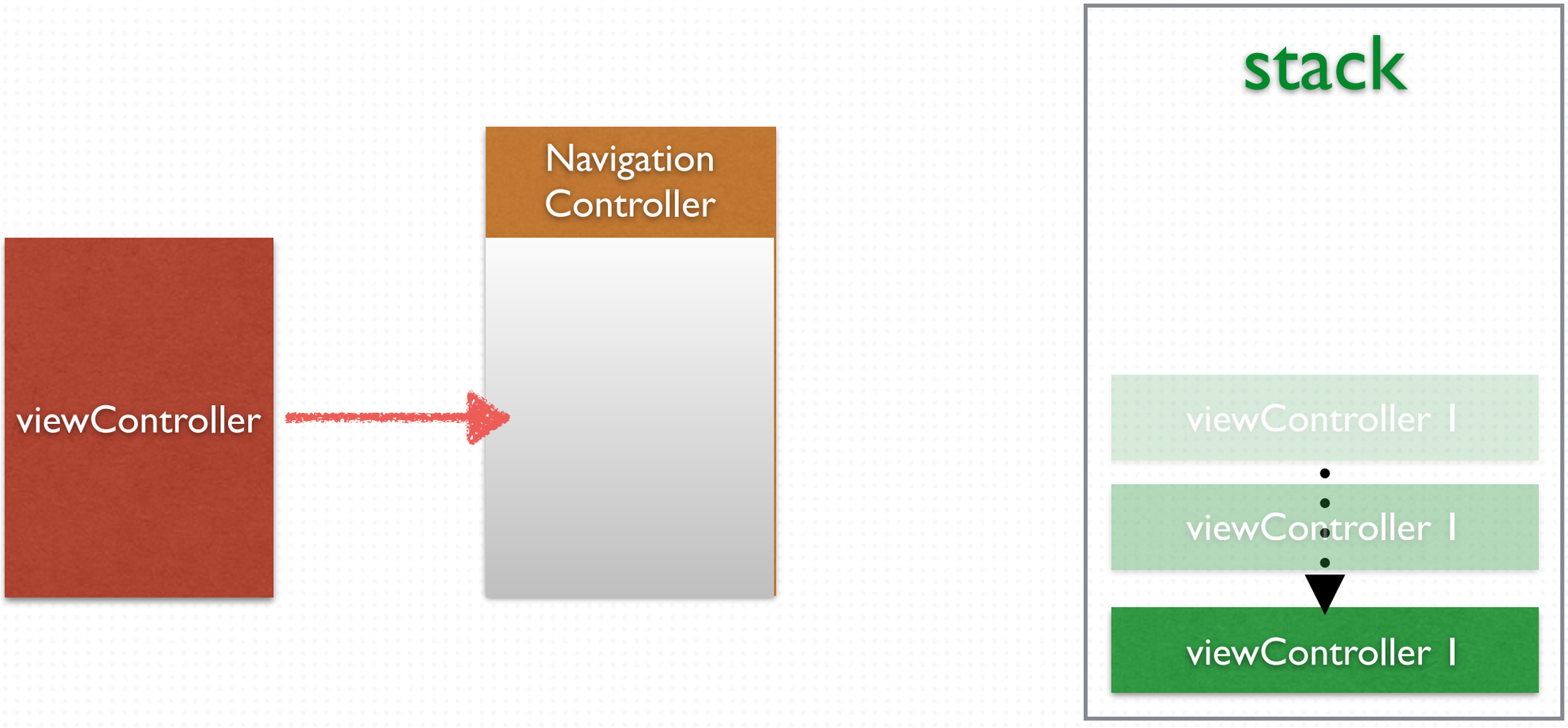


ViewController_Array =



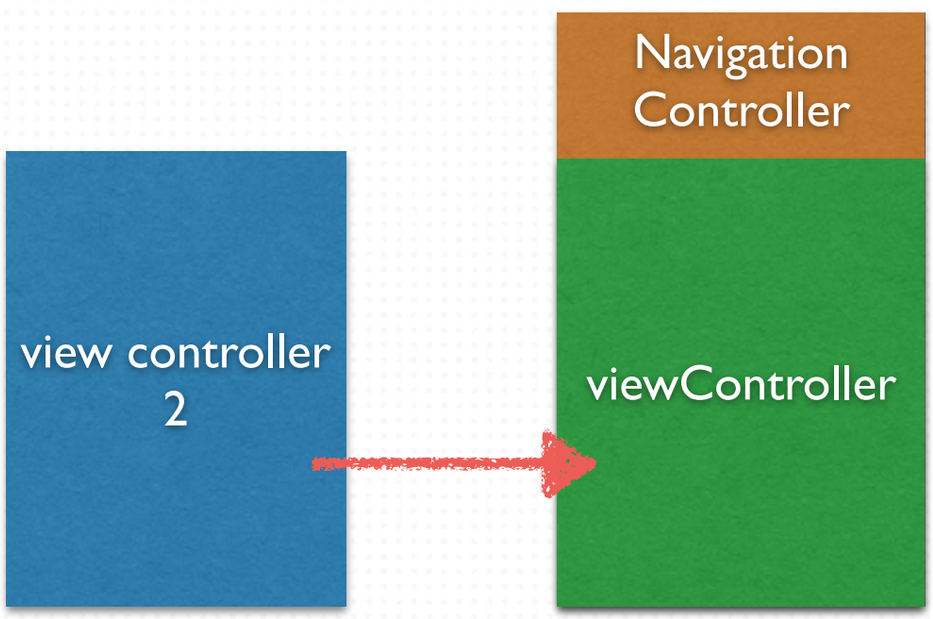
Navigation Controller Manages the navigation of hierarchical content

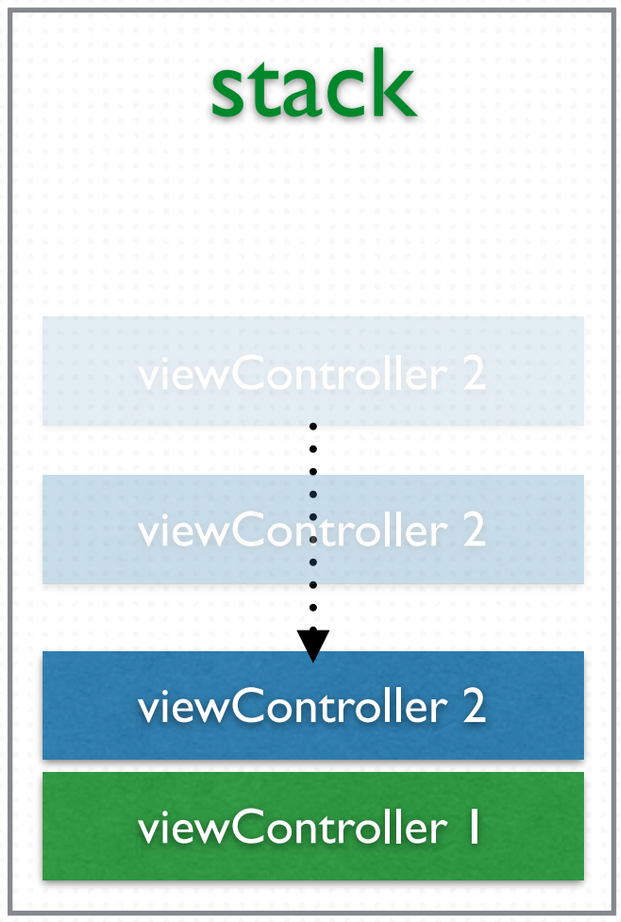
Navigation Controller



There is at least one ViewController in Navigation Controller - RootViewController

Navigation Controller

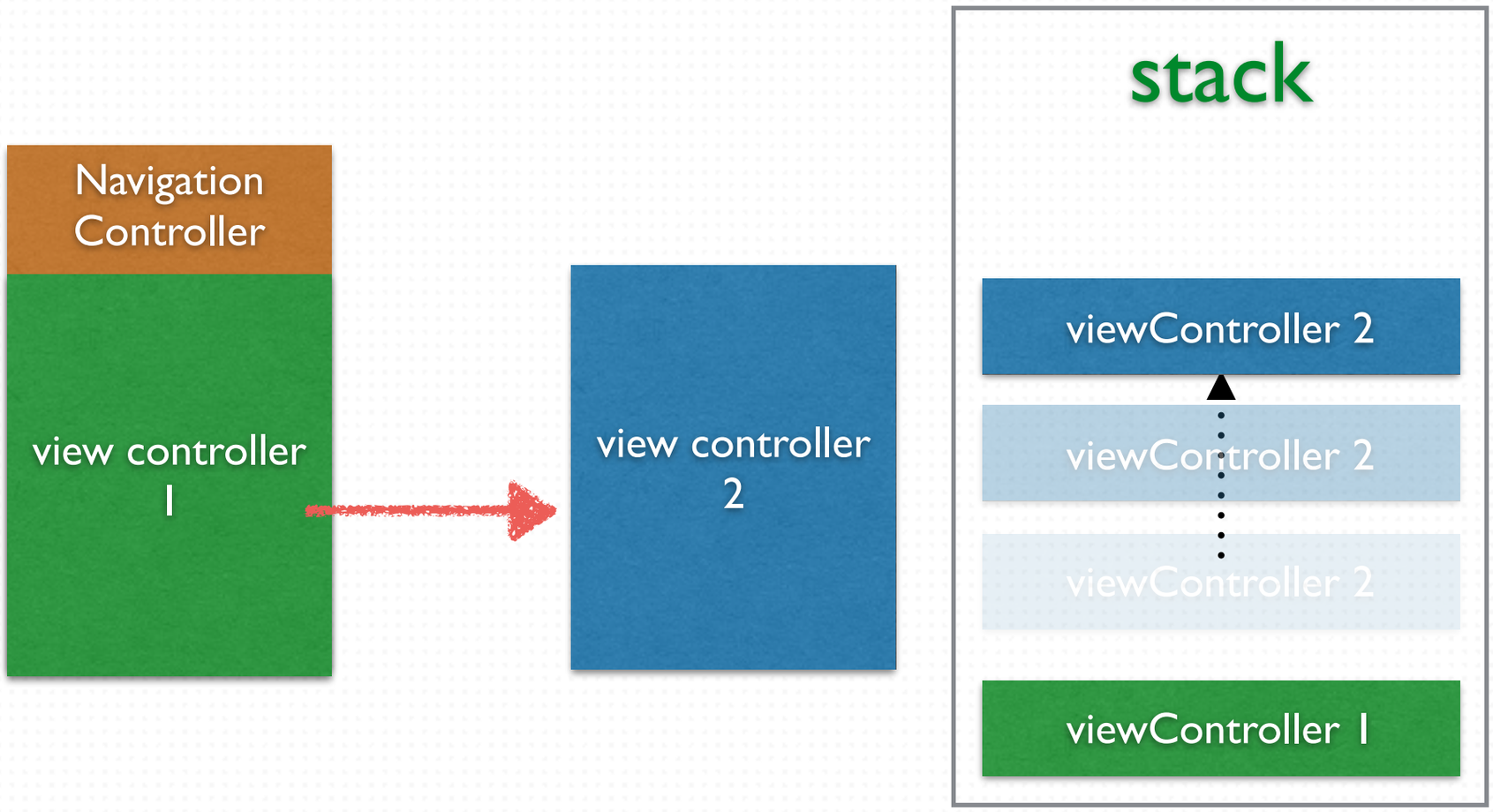




Action: Push

Transit to view controller 2

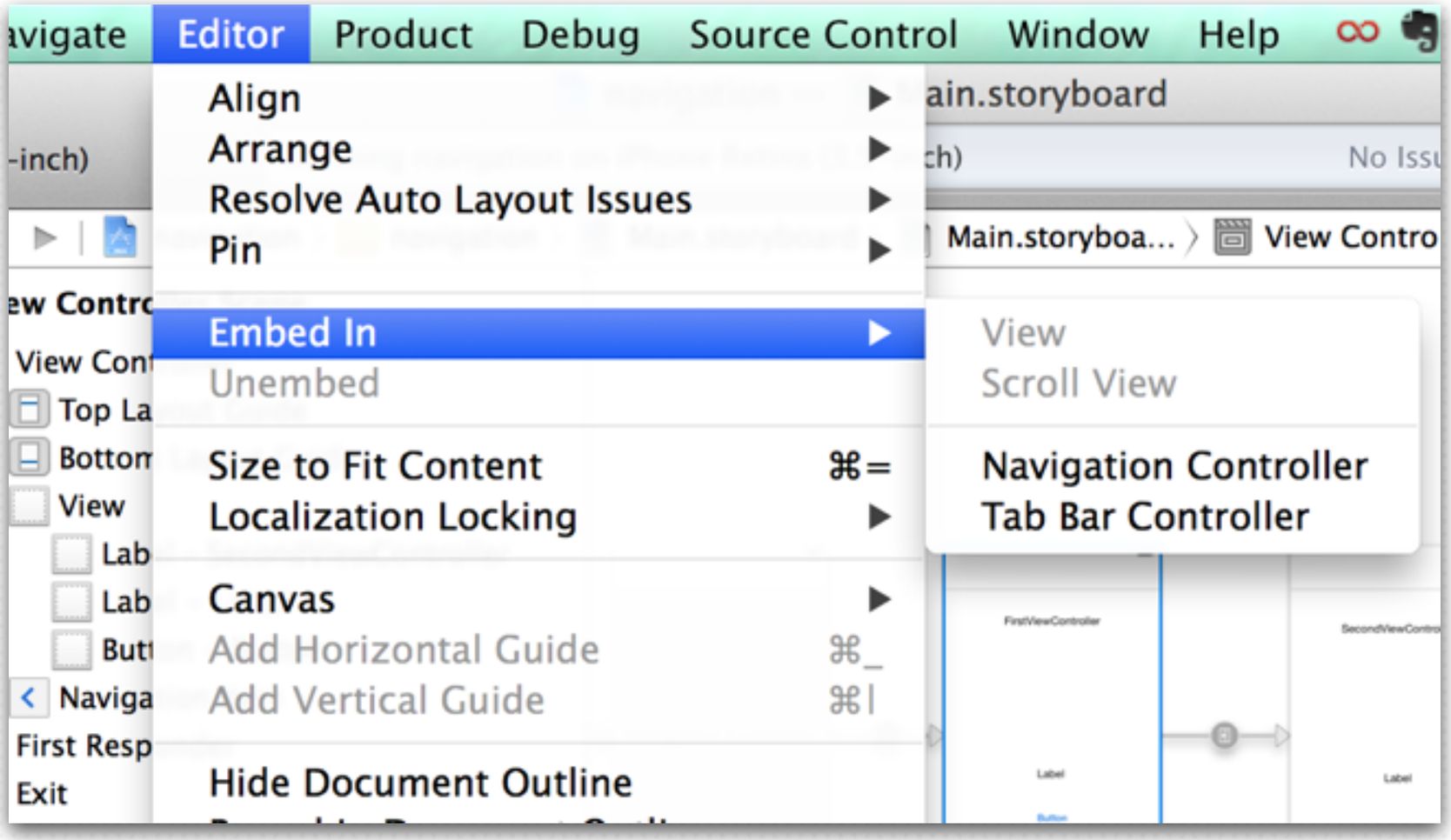
Navigation Controller



Action: Pop

Transit view controller 2 to view controller 1

Navigation Controller

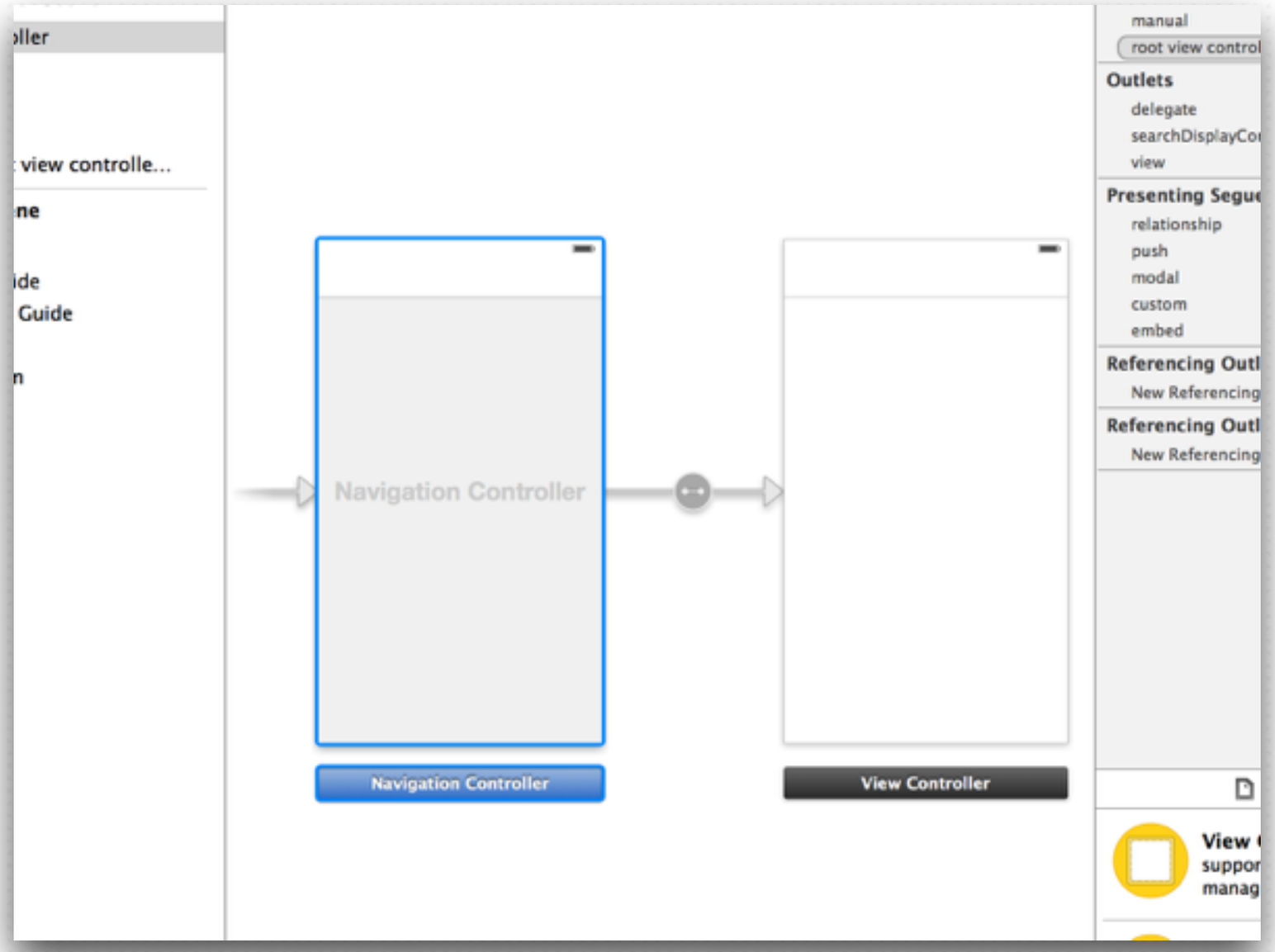


Embed a navigation Controller in storyboard

✓select View Controller

✓Editor -> Embed in -> Navigation Controller

Navigation Controller

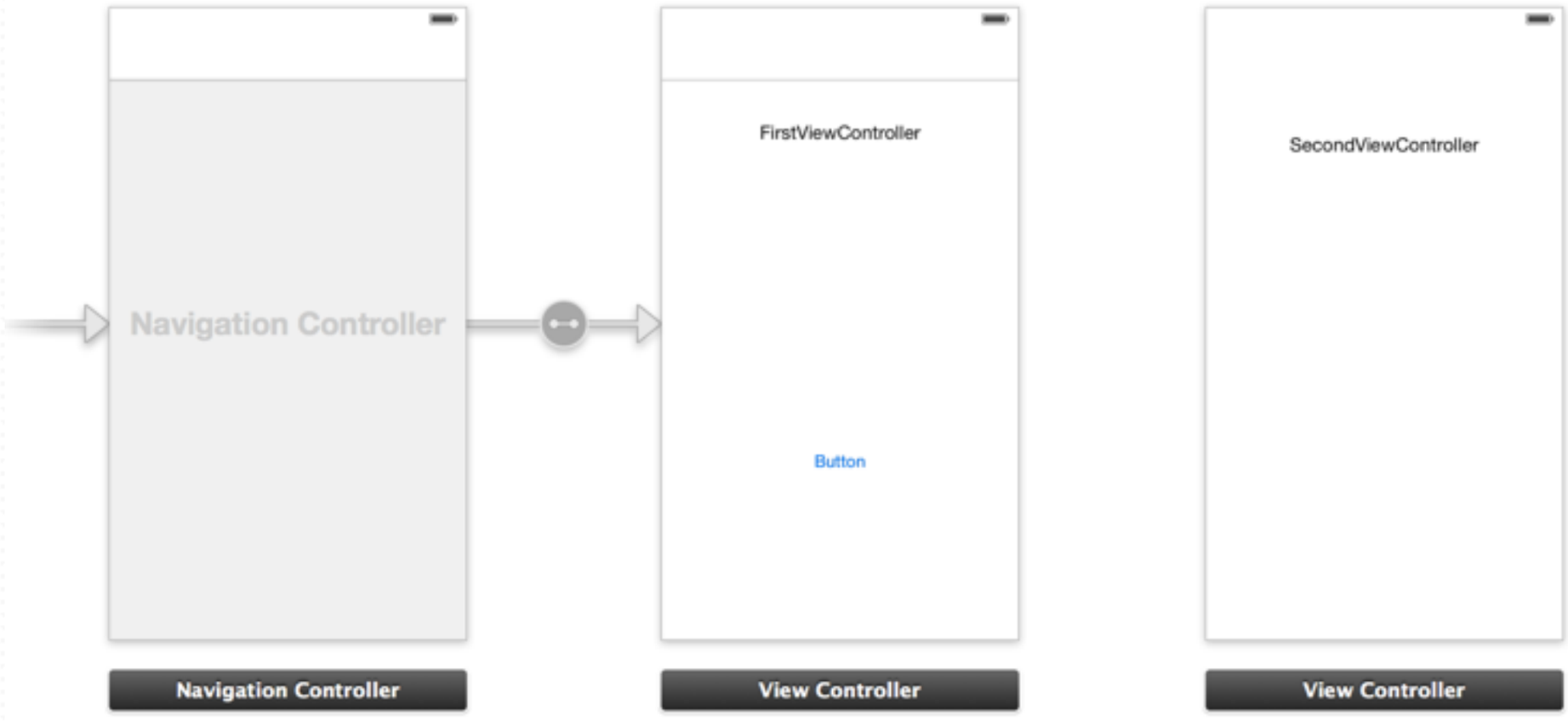


Navigation Controller is put in front of View Controller by default

Navigation Controller

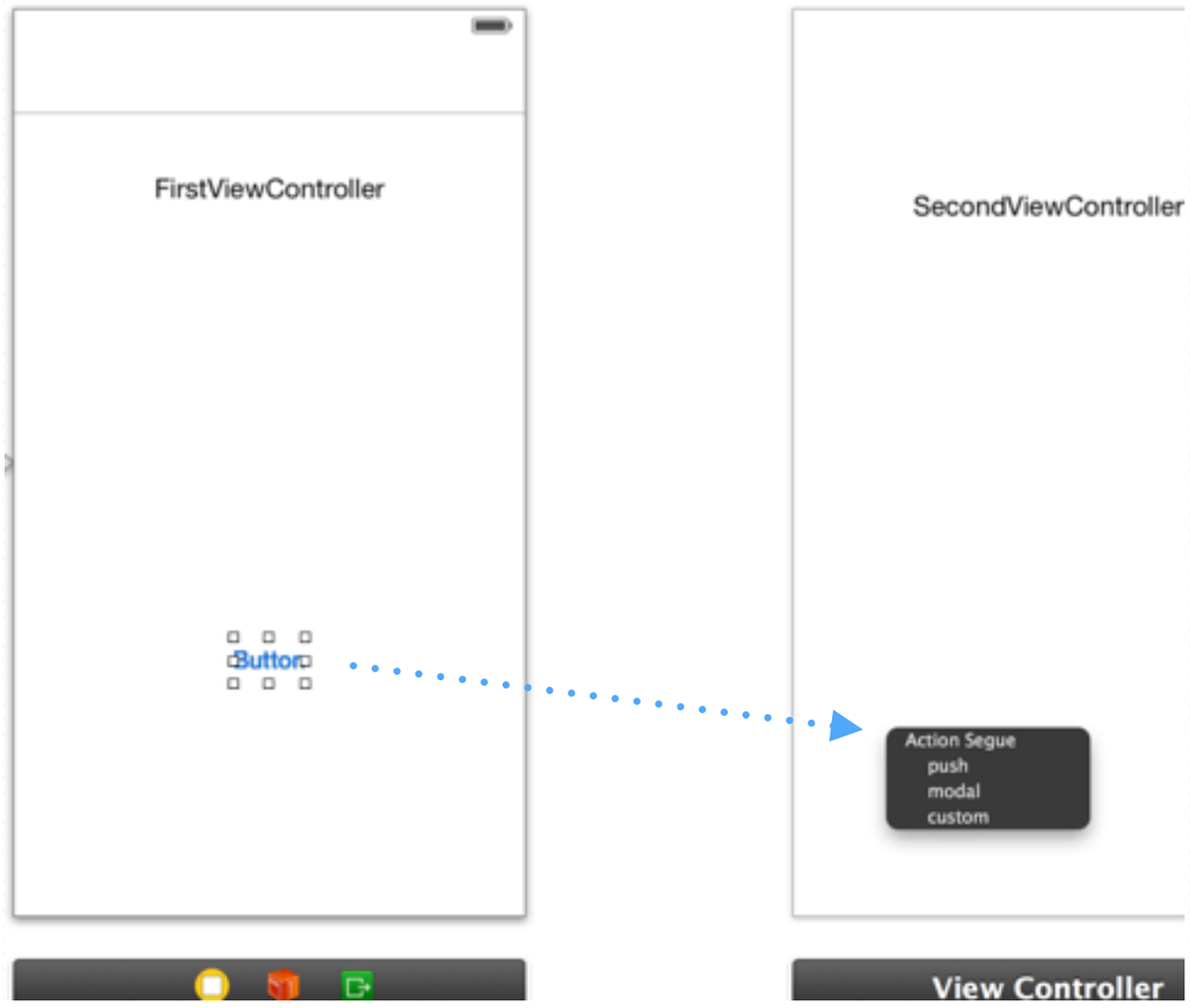
- First View Controller (View Controller) transit to Second View Controller(View Controller)
  - ✓ Create a button
  - ✓ Create a new View Controller (Give a label name Second View Controller)

Navigation Controller



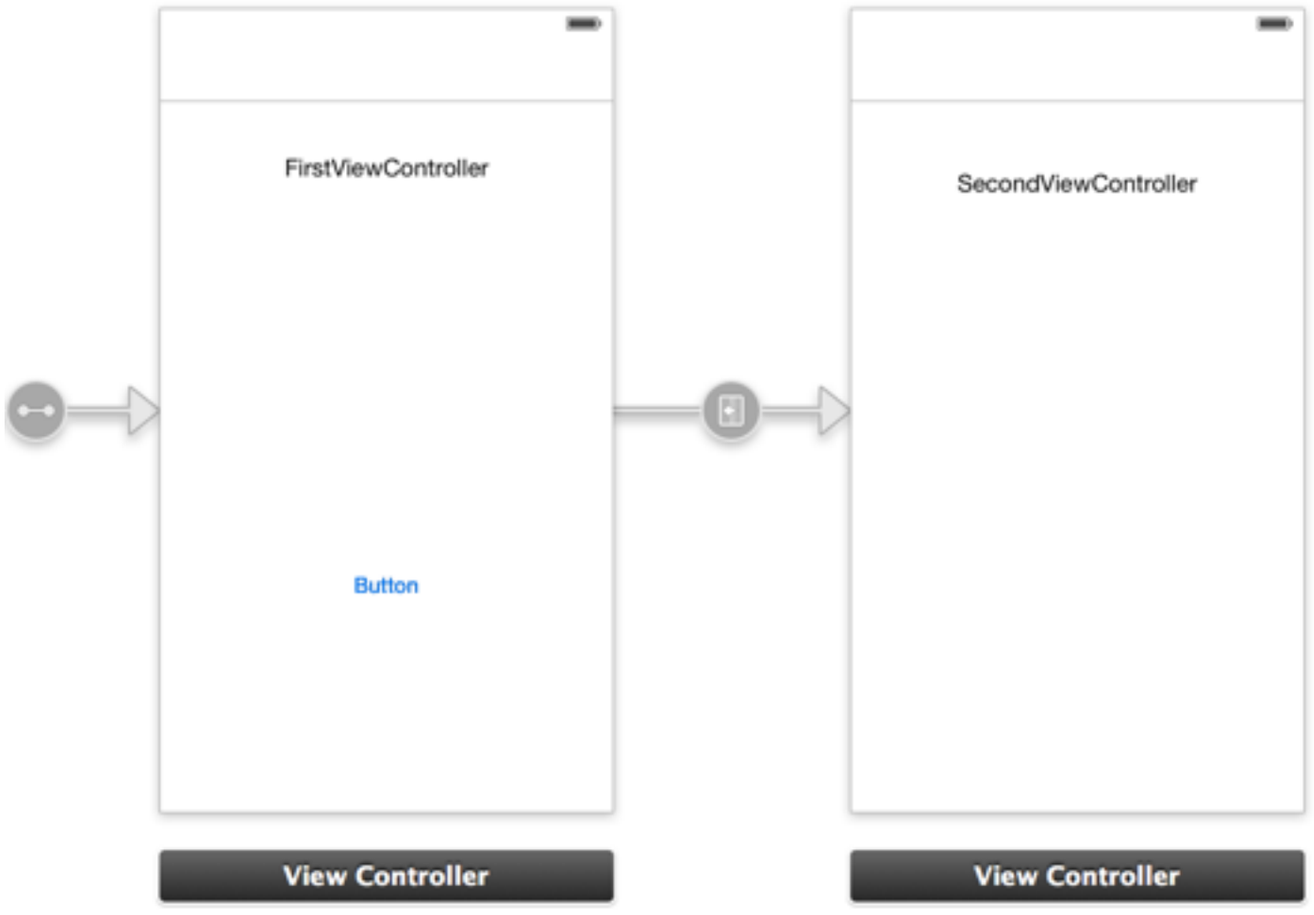
Create a new view controller

Navigation Controller



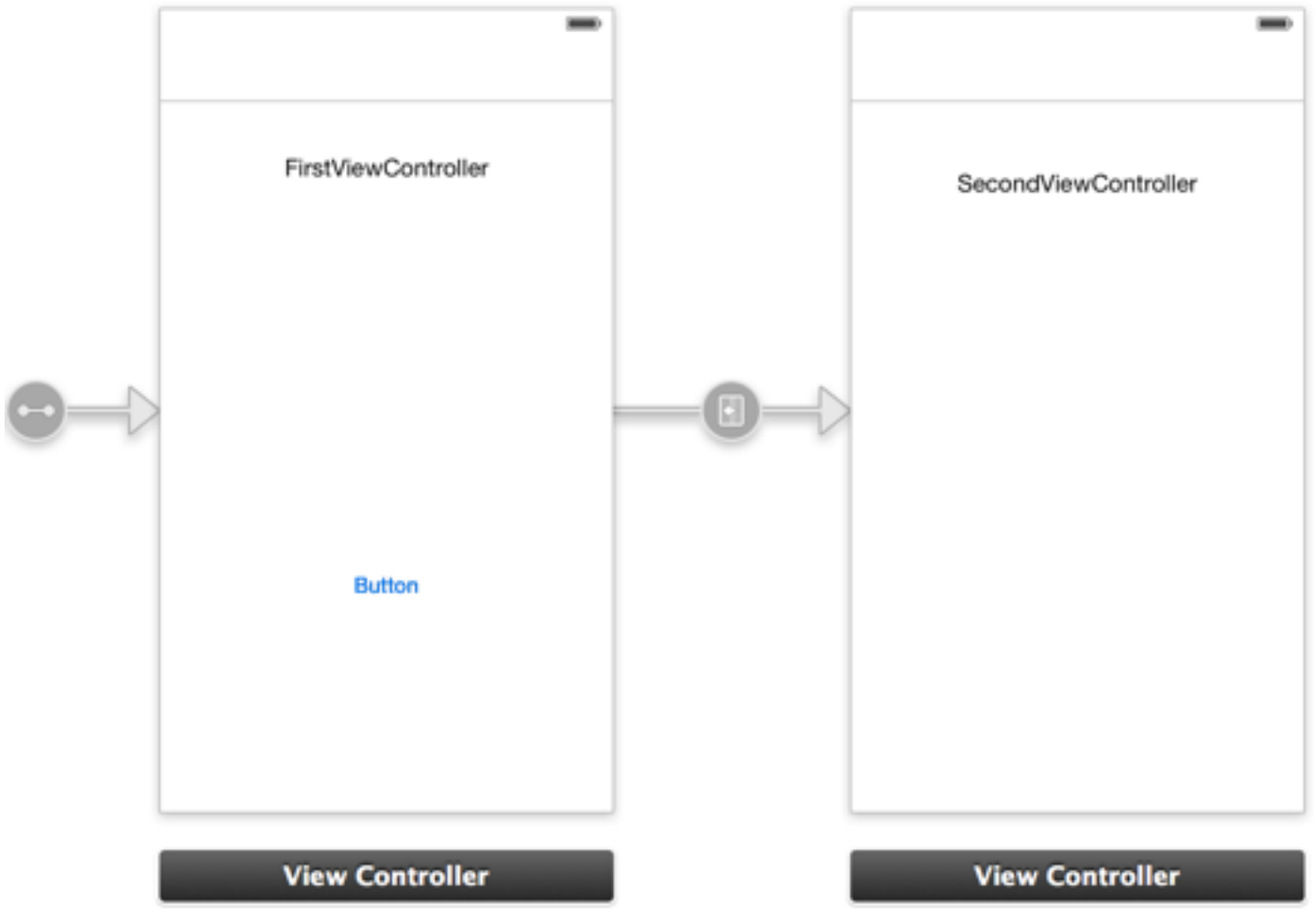
Drag (press control + click on button + drag) a button to Second View Controller

Navigation Controller



create a transition relationship between First View Controller and Second View Controller

Navigation Controller



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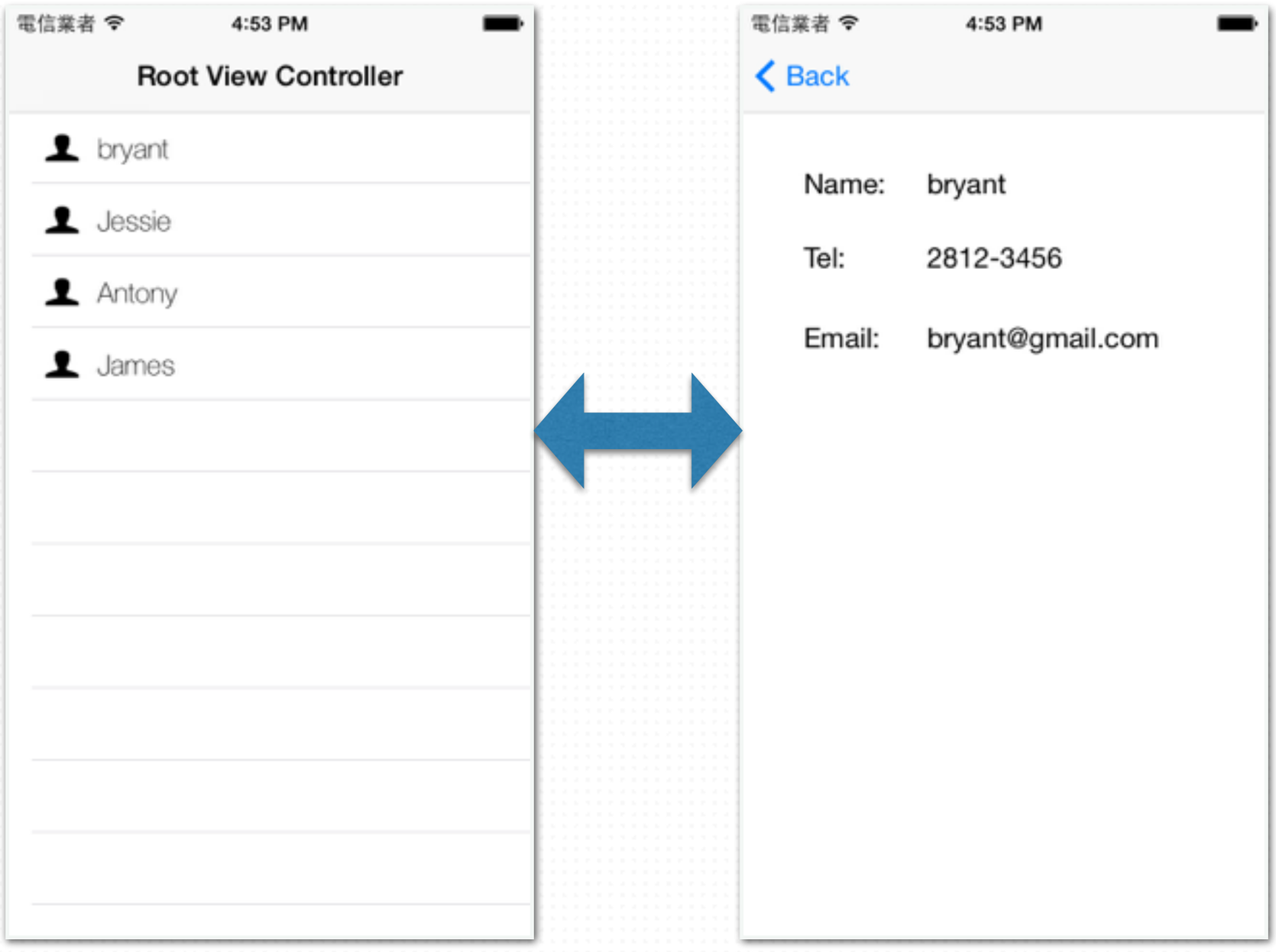
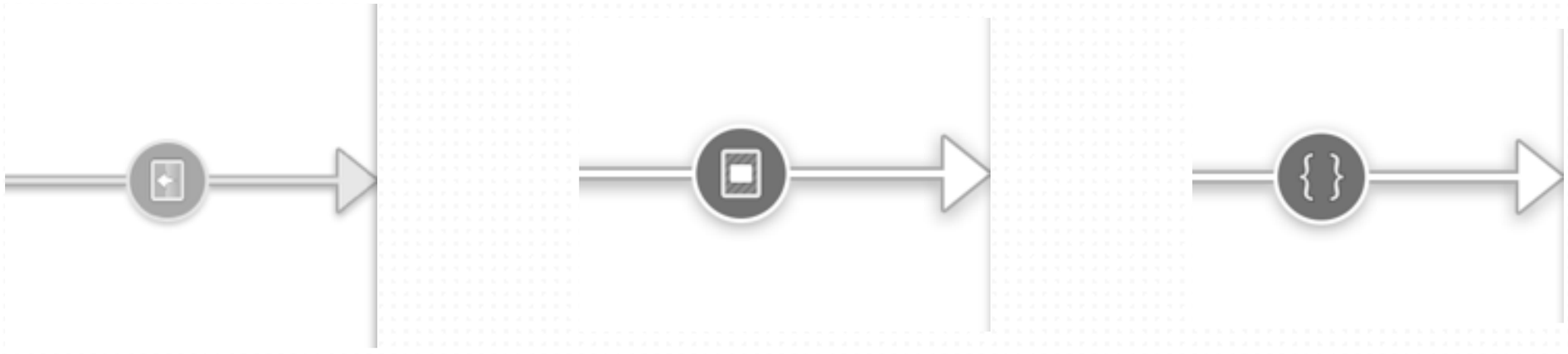
Navigation Controller



Cooperates with table view controller

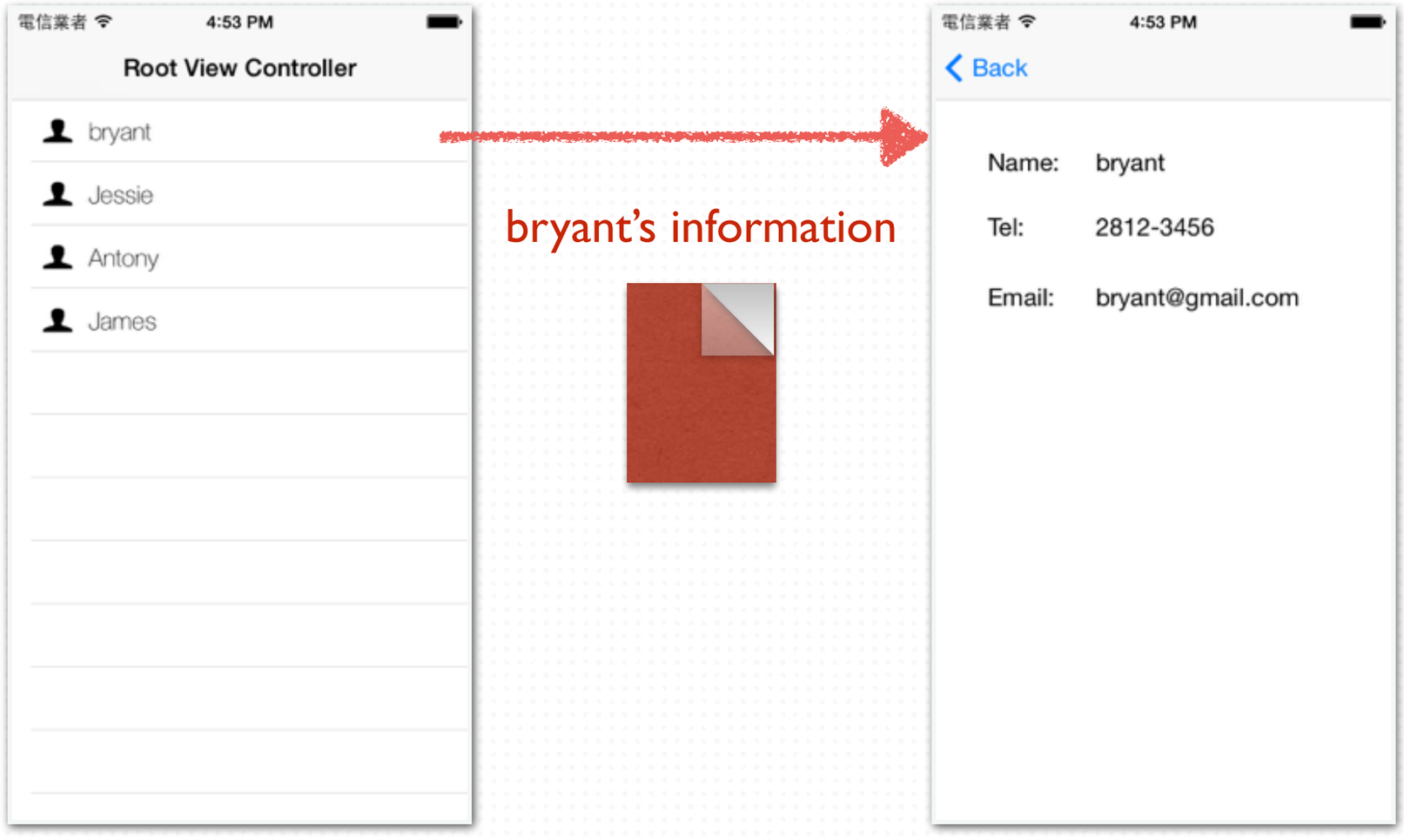
Navigation Controller

- Connection between to view controller: **Segue**
  - ✓Push
  - ✓Modal
  - ✓Custom

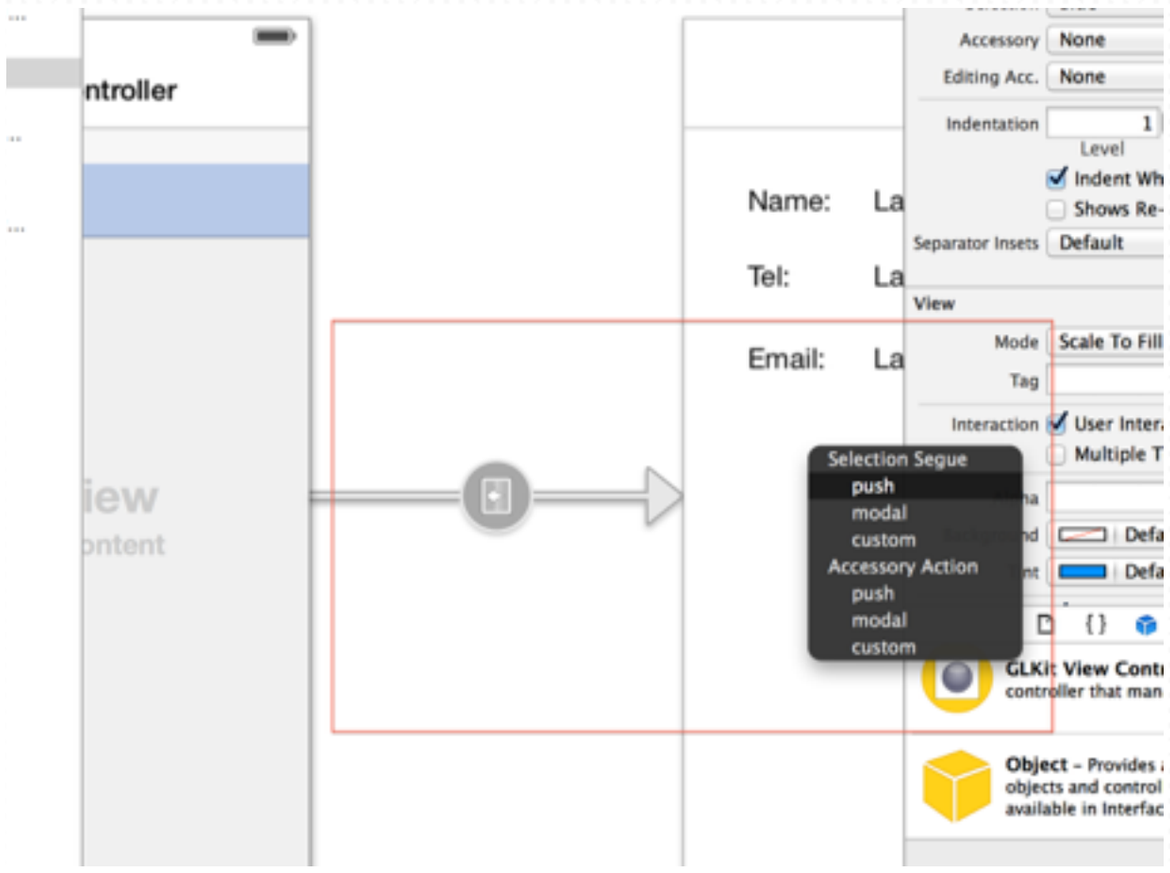


Navigation Controller

- Passing data from first view controller to second view controller by using segue

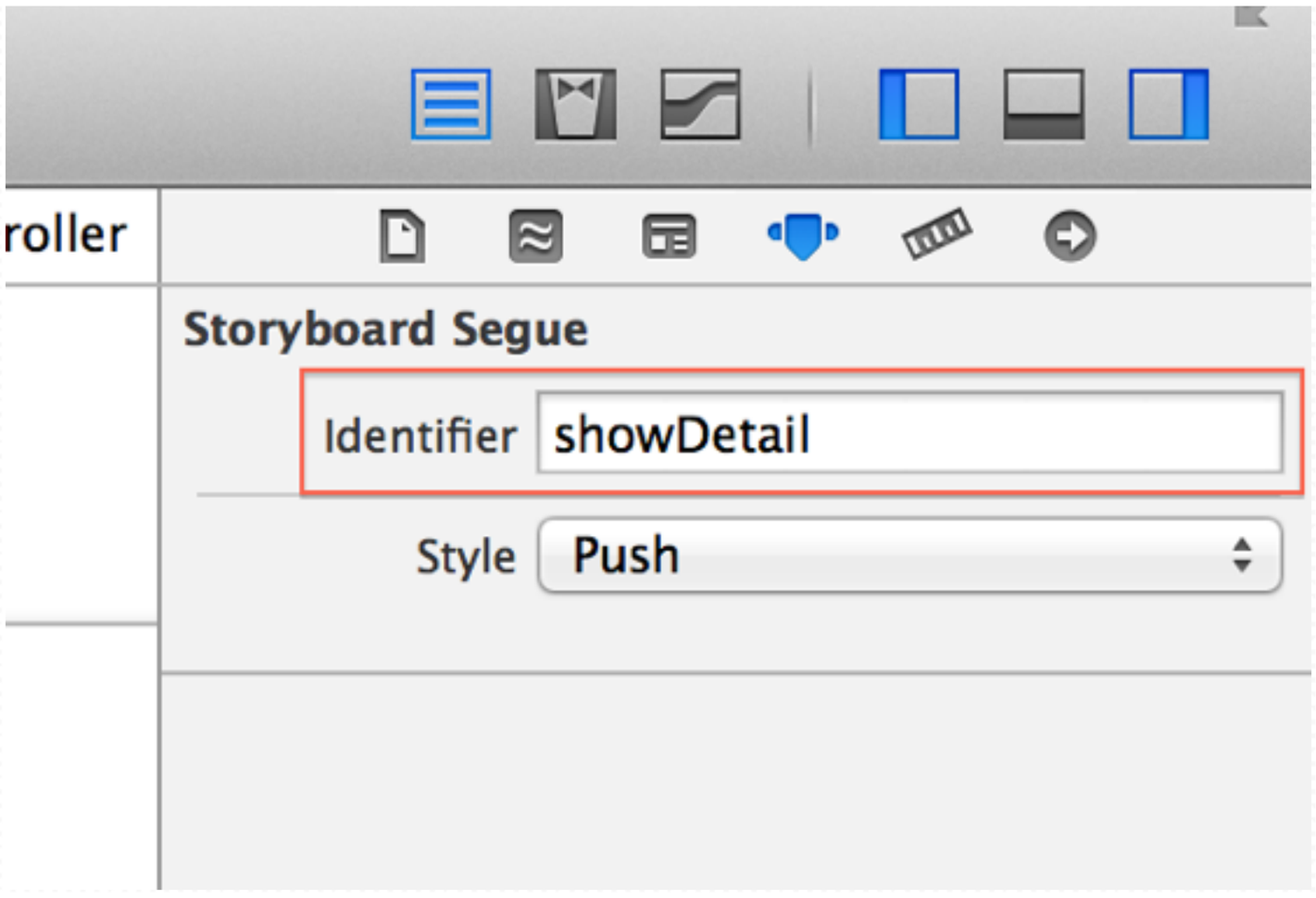


Navigation Controller



- Construct connection between two view controller

Navigation Controller



- To control segue you have to assign an id to segue identifier (unique)

Navigation Controller

```
-(void)prepareForSegue:(UIStoryboardSegue *)segue sender:(id)sender {

    if ([segue.identifier isEqualToString:@"showDetail"]) {
        UIViewController *destViewController = segue.destinationViewController;
        destViewController.property = value;

    }

}
```

- Tell segue to transmit data to second view controller

View Lifecycle

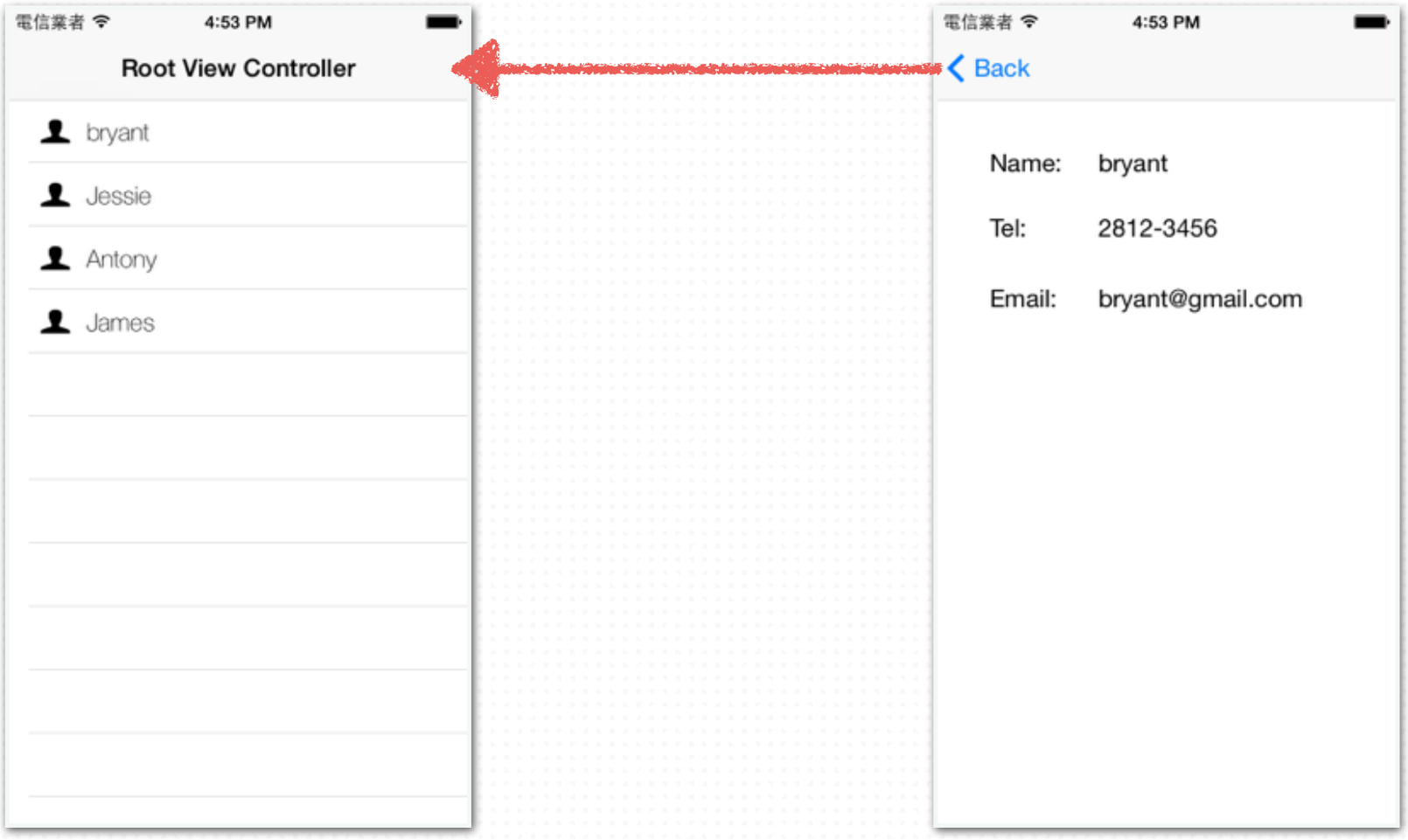
View Lifecycle

- viewDidLoad
- viewDidUnload
- viewWillAppear:
- viewWillDisappear:

} Handle by ViewController

Example

- What view cycle would process after pop from children view?

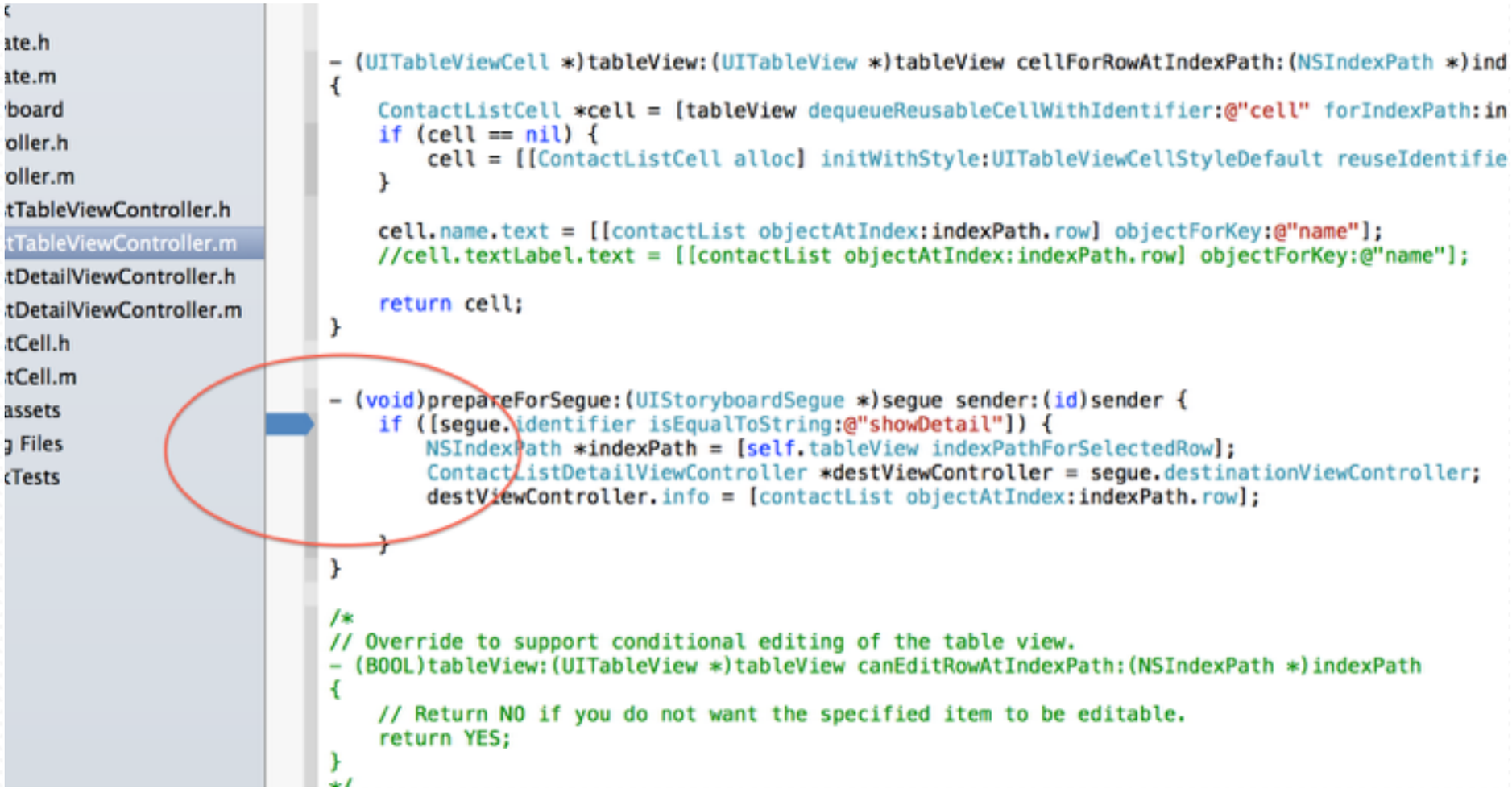


Debug mode

Debug mode

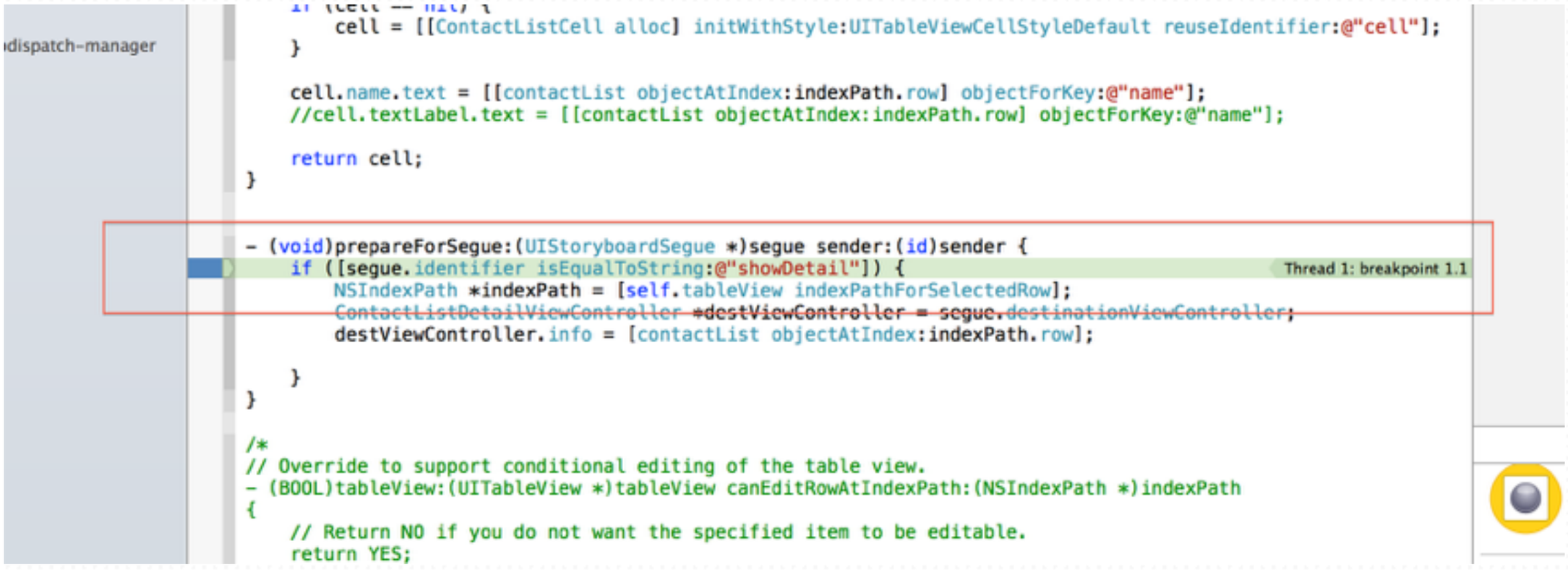
- The way to find the bug more effectively
  - ✓Process check
  - ✓context check
  - ✓logic check

Debug mode



Enable debug mode: click the space on the left of code line

Debug mode



In debug mode

Homework

- A Contact book with different cell style