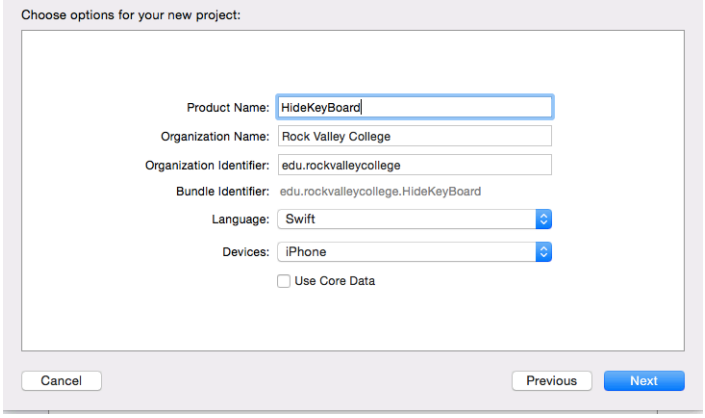
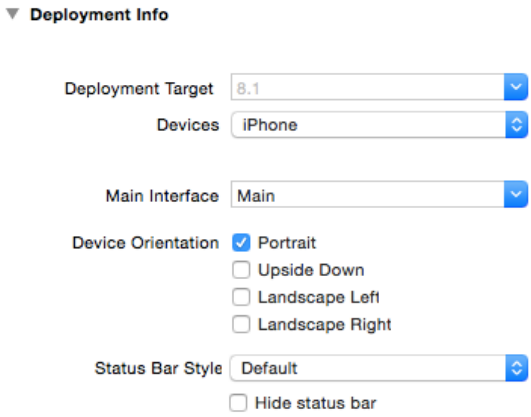
Hide Keyboard and ScrollView

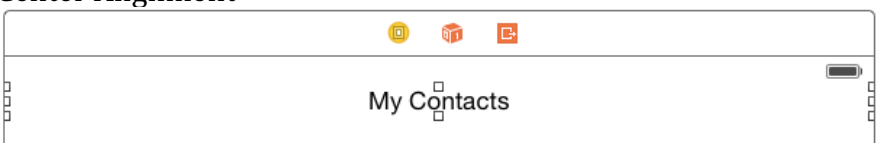
1. Create new Swift Project
    a. Single View
    b. iPhone



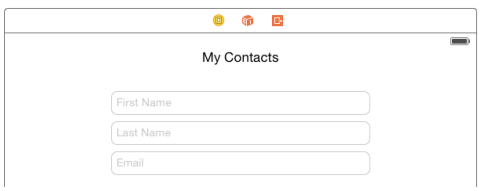
2. Make portrait Only



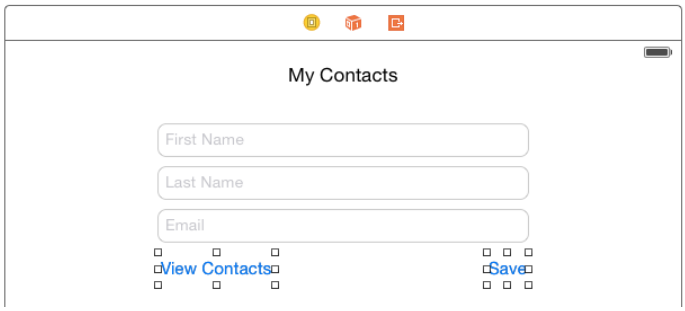
3. Add UILabel and Type “My Contacts” for Text property
    a. Click on Main.Storyboard
    b. Top of View
    c. Center Alignment



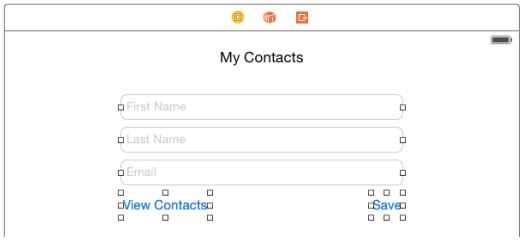
4. Add 3 UITextFields
    a. Add 1 UITextField and make width 195 (use size inspector)
    b. Center below “My Contacts label
    c. Duplicate UITextField twice with [Command] + D and stack
    d. Text Properties = [Empty]
    e. Placeholder Properties
        i. First Name
        ii. Last Name
        iii. Email



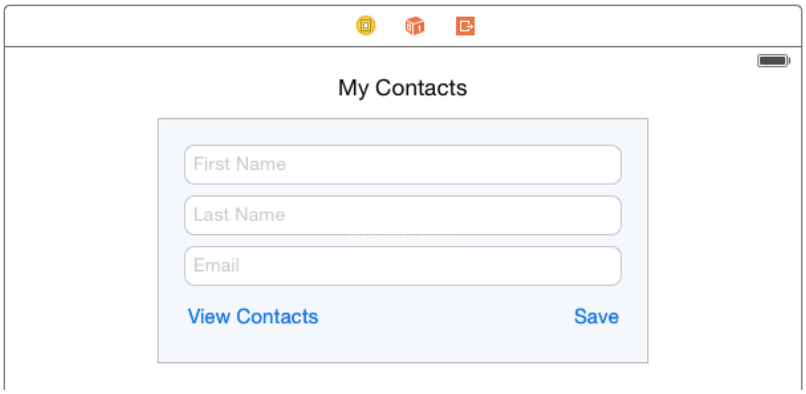
5. Add 2 UIButtins
    a. First Button – below and align left side of email UITextField
        i. Text Property: View Contacts
        ii. Make wide enough to fit text by dragging selection boxes
        iii. Align
    b. Second Button – below and align right side of email UITextField
        i. Text Property: Save
        ii. Align



6. Select All Except Top Label. (Click and drag with mouse to select all objects)

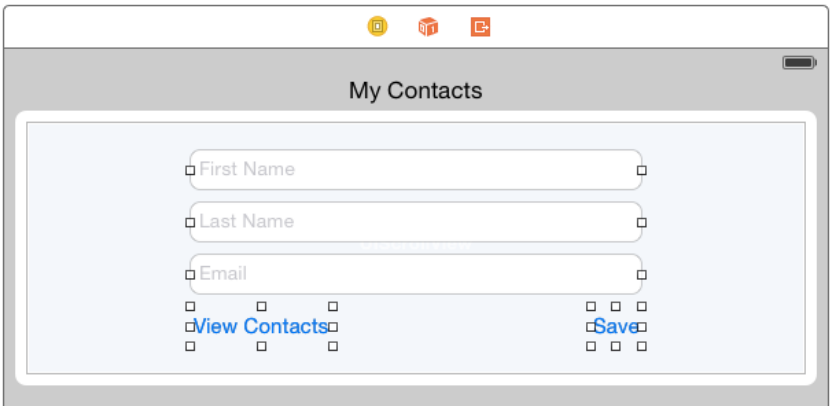


7. Embed in ScrollView
    a. With all objects selected except label (from last step)
    b. Go to: Editor > Embed In > ScrollView

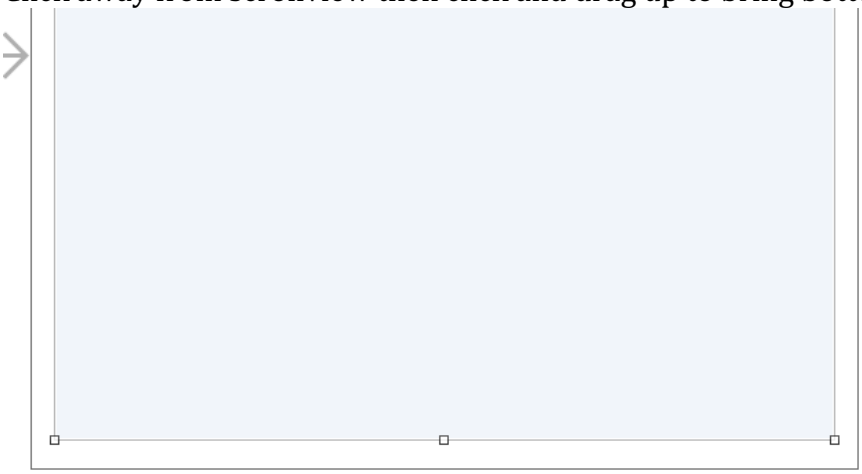


8. Change Width & Height of ScrollView using Size Inspector
    a. Width= 343
    b. Height = 1120
    c. Center ScrollView
    d. Select each object inside ScrollView with [Command] + Click

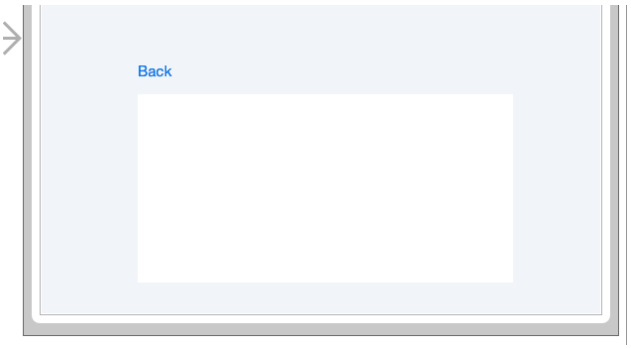
e. Drag to center and align



9. Click away from scrollview then click and drag up to bring bottom of scrollview into view



10. Add Button and UITextView as Below to **bottom** of ScrollView
    a. Remove all text from text property in UITextView
    b. Title Property of UIButton: Back
    c. Width: 216 Height: 200
    d. Move around to look like below



11. Create Action/Outlets
    a. Back UIButton
        i. Name: btnBack
        ii. Create Action with UIButton
            1. Type: UiButton
        iii. Create Outlet with UIButton
    b. UITextView
        i. Name: `txtView`
        ii. `Create Outlet`

```
//
//  ViewController.swift
//  HideKeyBoard
//
//  Created by Charles Konkol on 2/9/15.
//  Copyright (c) 2015 Rock Valley College. All rights reserved.
//

import UIKit

class ViewController: UIViewController {

    @IBOutlet weak var txtContacts: UITextView!

    @IBAction func btnBack(sender: UIButton) {
    }

    @IBOutlet weak var btnBack: UIButton!
```

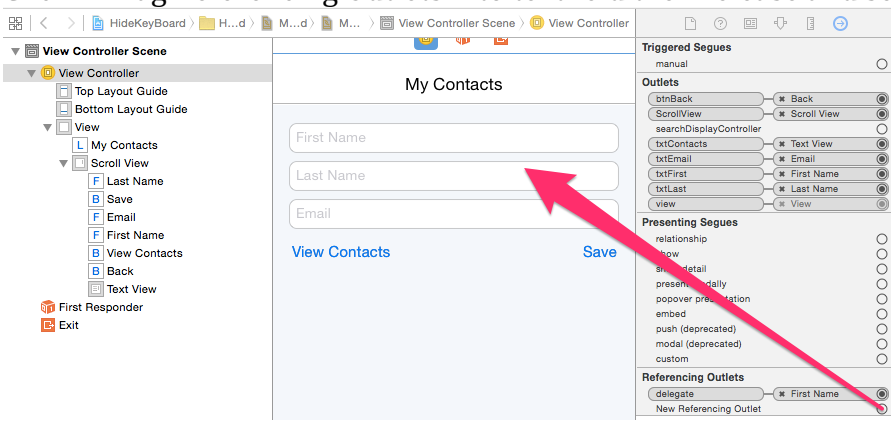
12. Click and Drag UIScrollView back to top of view

13. Create Action/Outlets
    a. ScrollView
        i. Name: ScrollView
        ii. Create Outlet
    b. First Name UITextField
        i. Name: txtFirst
        ii. Create Outlet
    c. Last Name UITextField
        i. Name: txtLast
        ii. Create Outlet
    d. Email Name UITextField
        i. Name: txtEmail
        ii. Create Outlet
    e. Save UIButtin
        i. Name: btnSave
        ii. Type: UiButton
        iii. Create Action
    f. View Contacts UIButtin
        i. Name: btnView
        ii. Type: UiButton
        iii. Create Action
14. Click on ViewController.Swift and your code should look something like this

```
import UIKit

class ViewController: UIViewController {

    @IBOutlet weak var txtContacts: UITextView!

    @IBAction func btnBack(sender: UIButton) {
    }

    @IBOutlet weak var btnBack: UIButton!

    @IBOutlet weak var ScrollView: UIScrollView!

    @IBOutlet weak var txtFirst: UITextField!

    @IBOutlet weak var txtLast: UITextField!

    @IBOutlet weak var txtEmail: UITextField!

    @IBAction func btnView(sender: UIButton) {
    }

    @IBAction func btnSave(sender: UIButton) {
    }
```

15. See code for step
16. Add Delegate to UITextFields
    a. Select Main.Storyboard
    b. Select **View Controller** from Outline View
    c. Show Connections Inspector

d. Click + Drag Referencing Outlets into textfield then release and select **delegate**



17. Align
    a. Select ViewController
    b. Editor > Resolve Auto Layout Issues > Reset to Suggested Constraints (Top one)
18. Run App using iPhone
19. Test by adding 3 contacts