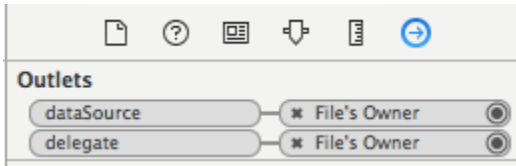


Create a project with the following objects in the view:

- a Table View

Connect the following Outlets:

- the Table View's dataSource to File's Owner
- the Table View's delegate to File's Owner



ViewController.h file

```
//  
// ViewController.h  
// SimpleTable  
//  
// Created by cptg121 on 11/12/14.  
// Copyright (c) 2014 cptg121. All rights reserved.  
//  
  
#import <UIKit/UIKit.h>  
  
@interface ViewController : UIViewController  
    <UITableViewDelegate, UITableViewDataSource>  
{  
    NSArray *listData;  
}  
@property (nonatomic, retain) NSArray *listData;  
@end
```

ViewController.m file

```
//
//  ViewController.m
//  SimpleTable
//
//  Created by cptg121 on 11/12/14.
//  Copyright (c) 2014 cptg121. All rights reserved.
//

#import "ViewController.h"

@interface ViewController ()

@end

@implementation ViewController
@synthesize listData;

- (void)viewDidLoad
{
    [super viewDidLoad];

    listData = [[NSArray alloc] initWithObjects:@"Orange", @"Apple",
@"Banana", @"Grape", nil];
}

// sets the number of rows in the table
- (NSInteger)tableView:(UITableView *)tableView
numberOfRowsInSection:(NSInteger)section
{
    return [listData count];    // automatically count how many items
in the listData array
}
```

```

// set up the content and property of each row
- (UITableViewCell *)tableView:(UITableView *)tableView
cellForRowAtIndexPath:(NSIndexPath *)indexPath
{
    static NSString *ID = @"TableIdentifier";
    UITableViewCell *cell = [tableView
dequeueReusableCellWithIdentifier:ID];
    if (cell == nil) {
        cell = [[UITableViewCell alloc] initWithStyle:
UITableViewCellStyleDefault reuseIdentifier:ID] autorelease];
    }

    // Set up the cell
    cell.textLabel.text = [listData objectAtIndex:indexPath.row];
    //cell.textLabel.text = @"LSU";

    // optional stuff
    // show the detail disclosure button (>) on the right side
    cell.accessoryType =
UITableViewCellAccessoryDetailDisclosureButton;
    // change the font size
    cell.textLabel.font = [UIFont boldSystemFontOfSize:14];
    // add an image to the left side of each row
    cell.imageView.image = [UIImage imageNamed:@"LSU.jpg"];
    // end of optional stuff

    return cell;
}

```

```

// optional
// called when a row is pressed
- (void)tableView:(UITableView *)tableView
didSelectRowAtIndexPath:(NSIndexPath *)indexPath
{
    NSInteger row = [indexPath row];           // this is
the selected row number
    NSString *rowData = [listData objectAtIndex:row]; // getting
the data for that row
    UIAlertView *alert = [[UIAlertView alloc] initWithTitle:@"Row
Selected!"
message:[NSString alloc] initWithFormat:@"You selected
%@", rowData]
delegate:nil
cancelButtonTitle:@"Yes I Did" otherButtonTitles:nil,
nil];
    [alert show];
    [alert release];
}

// optional
// called when the accessory button on the row is pressed
- (void)tableView:(UITableView *)tableView
accessoryButtonTappedForRowWithIndexPath:(NSIndexPath *)indexPath
{
    NSLog(@"in accessoryButtonTappedForRowWithIndexPath");
}

- (void)didReceiveMemoryWarning
{
    [super didReceiveMemoryWarning];
    // Dispose of any resources that can be recreated.
}

@end

```

Sample run

