Lab 2 Starting with table views:

**Step 1.** Start Xcode and create a Single View Application project configured for the iPhone. Name the project and class prefix TableViewStory.

**Step 2.** Delete your View Controller and its Corresponding classes

**Step 3.** Drag a Table View Controller to the Storyboard (Note the prototype cell)

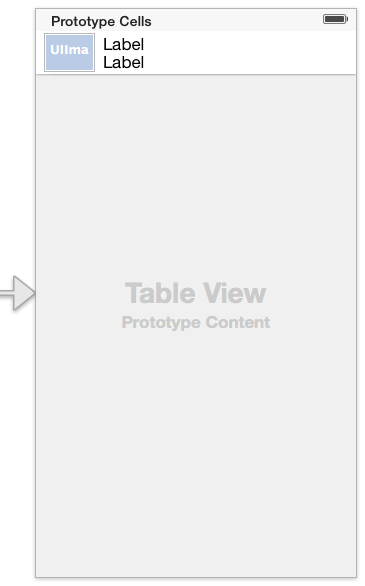
**Step 4**. Create a new objective-C class from the Cocoa Touch Library called **CarTableViewController** and make it a subclass of the UITableViewController class.

**Step 5.** Now create a class for your table cell. Name it **CarTableViewCell** and make it a subclass of the UITableViewCell

**Step 6.** Now associate the tableviewcontroller with its new class and the table cell with its new class

**Step 7.** Declare the Cell Reuse Identifier for the table cell to be ‘carTableCell’

**Step 8.** Drag a uiImageView and 2 labels so your controller looks like this:



Note: You should stretch these labels to the right edge of the screen to accommodate text

**Step 9.** Create outlets for the UIImageView and the two labels in the Cell h file (CarTableViewCell.h)

**@property (nonatomic, strong) IBOutlet UIImageView \*carImage;**

**@property (nonatomic, strong) IBOutlet UILabel \*makeLabel;**

**@property (nonatomic, strong) IBOutlet UILabel \*modelLabel;**

**Step 10.** Create the datasource in the table view (CarTableViewController.m)

**#import <UIKit/UIKit.h>**

**@interface CarTableViewController : UITableViewController**

**@property (nonatomic, strong) NSArray \*carImages;**

**@property (nonatomic, strong) NSArray \*carMakes;**

**@property (nonatomic, strong) NSArray \*carModels;**

**@end**

**Step 11.** Import the CarTableViewCell in your CarTableViewController.m

#import "CarTableViewCell.h"

**Step 12.**

Now add arrays of data to the ViewDidLoad Method

**- (void)viewDidLoad**

**{**

**[super viewDidLoad];**

**\_carMakes = @[@"Chevy",**

**@"BMW",**

**@"Toyota",**

**@"Volvo",**

**@"Smart"];**

**\_carModels = @[@"Volt",**

**@"Mini",**

**@"Venza",**

**@"S60",**

**@"Fortwo"];**

**\_carImages = @[@"chevy\_volt.jpg",**

**@"mini\_clubman.jpg",**

**@"toyota\_venza.jpg",**

**@"volvo\_s60.jpg",**

**@"smart\_fortwo.jpg"];**

**}**

**Step 13.** Add the images from your lab 2 images folder

**Step 14.** Now to tackle the template methods for the table view.

**- (NSInteger)numberOfSectionsInTableView:(UITableView \*)tableView**

**{**

**// Return the number of sections.**

**return 1;**

**}**

and

**- (NSInteger)tableView:(UITableView \*)tableView numberOfRowsInSection:(NSInteger)section**

**{**

**// Return the number of rows in the section.**

**return \_carModels.count;**

**}**

and finally:

**- (UITableViewCell \*)tableView:(UITableView \*)tableView cellForRowAtIndexPath:(NSIndexPath \*)indexPath**

**{**

**static NSString \*CellIdentifier = @"carTableCell";**

**CarTableViewCell \*cell = [tableView**

**dequeueReusableCellWithIdentifier:CellIdentifier**

**forIndexPath:indexPath];**

**/\* Configure the cell..The long qualifier is used to extend the value range of a data type. For example, to increase the range of an integer variable, the declaration is prefixed by the qualifier\*/**

**long row = [indexPath row];**

**cell.modelLabel.text = \_carModels[row];**

**cell.makeLabel.text = \_carMakes[row];**

**cell.carImage.image = [UIImage imageNamed:\_carImages[row]];**

**return cell;**

**}**

**Borrowed and simplified from techtopia.com**