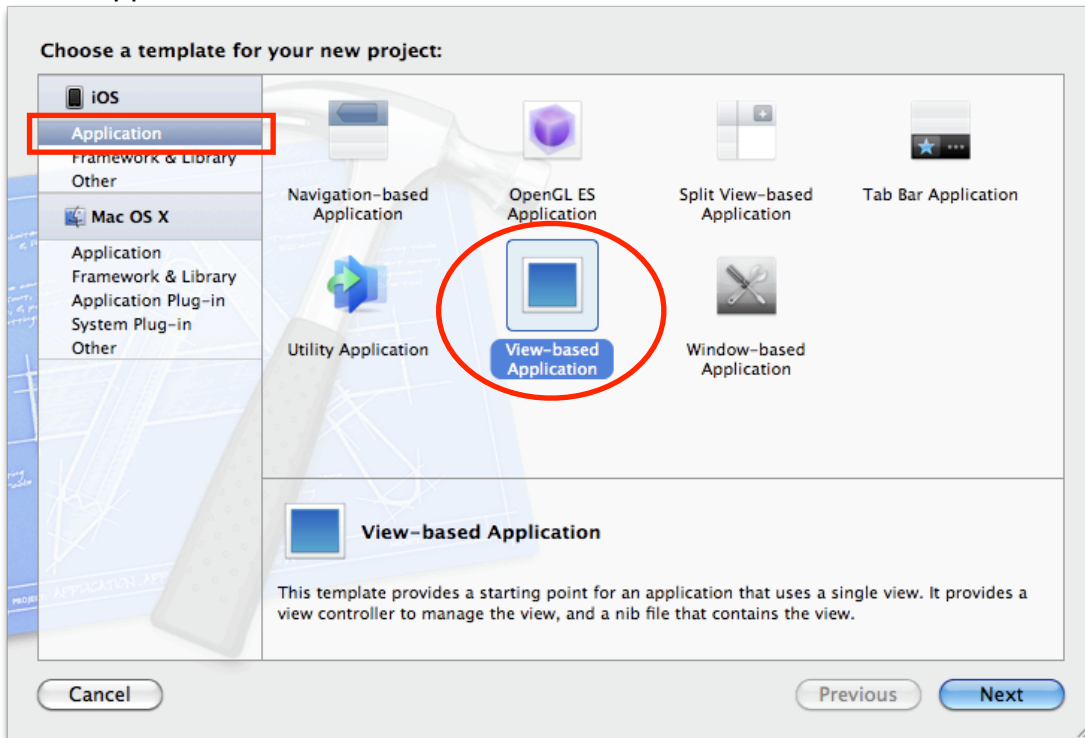


Lab WebJSStep

在這個lab裡, 我們將學習到如何使用 WebUIView 來支援JavaScript

Step 1. 在File>New>New Project開啓一個新的專案, 在iOS的Application目錄裡面選擇 view based application

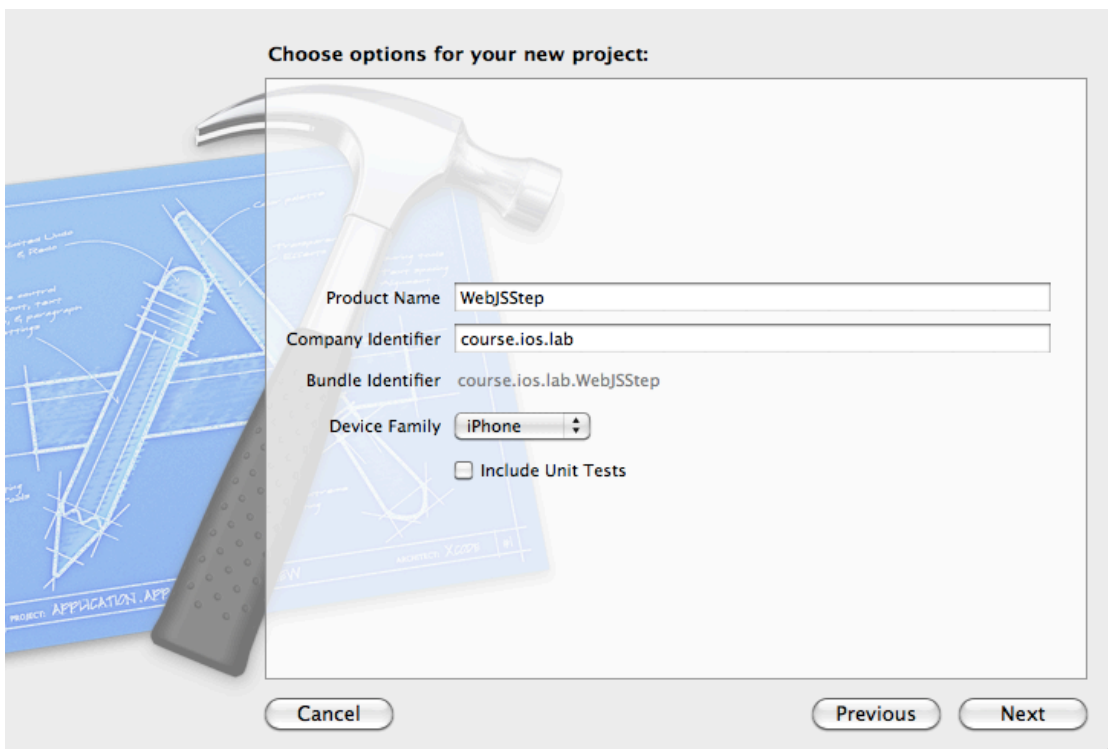


Step 2. 並將此專案命名為 **WebJSStep**

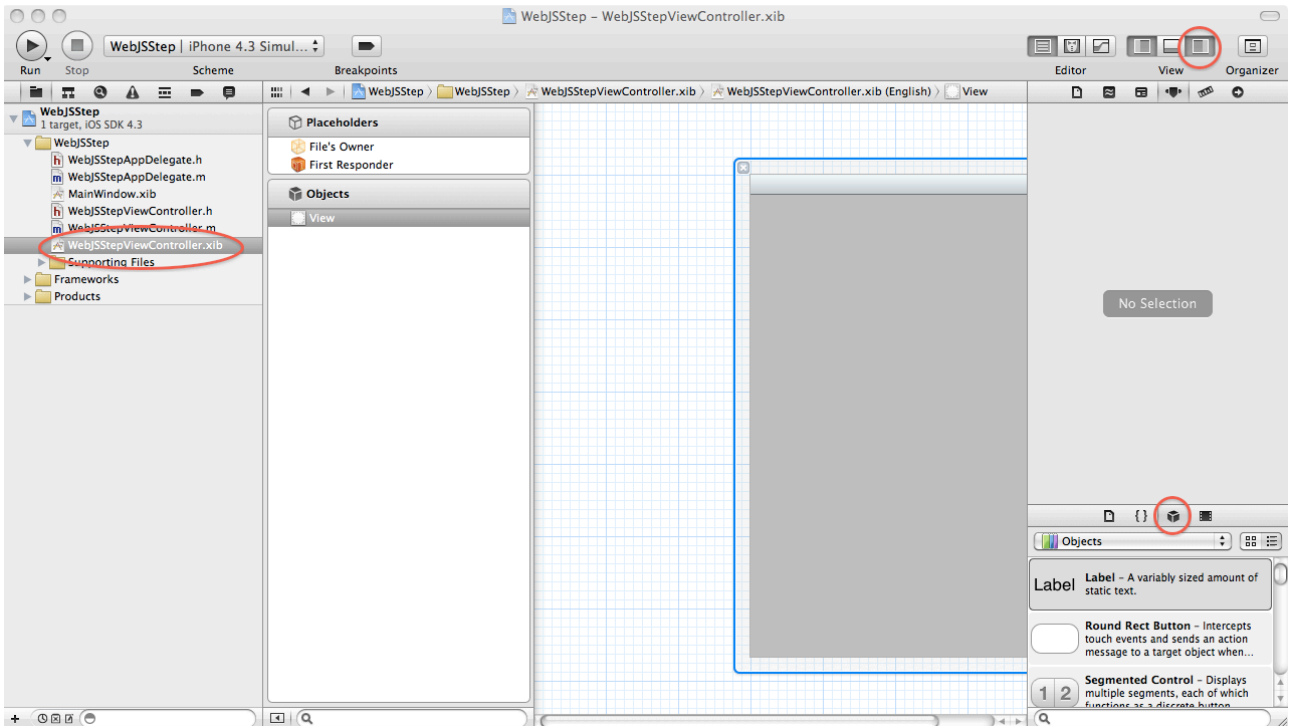
Company Identifier是填入Bundle的名稱,在此統一填入**course.ios.lab** (也可自行填入)

Device Family選擇**iPhone**

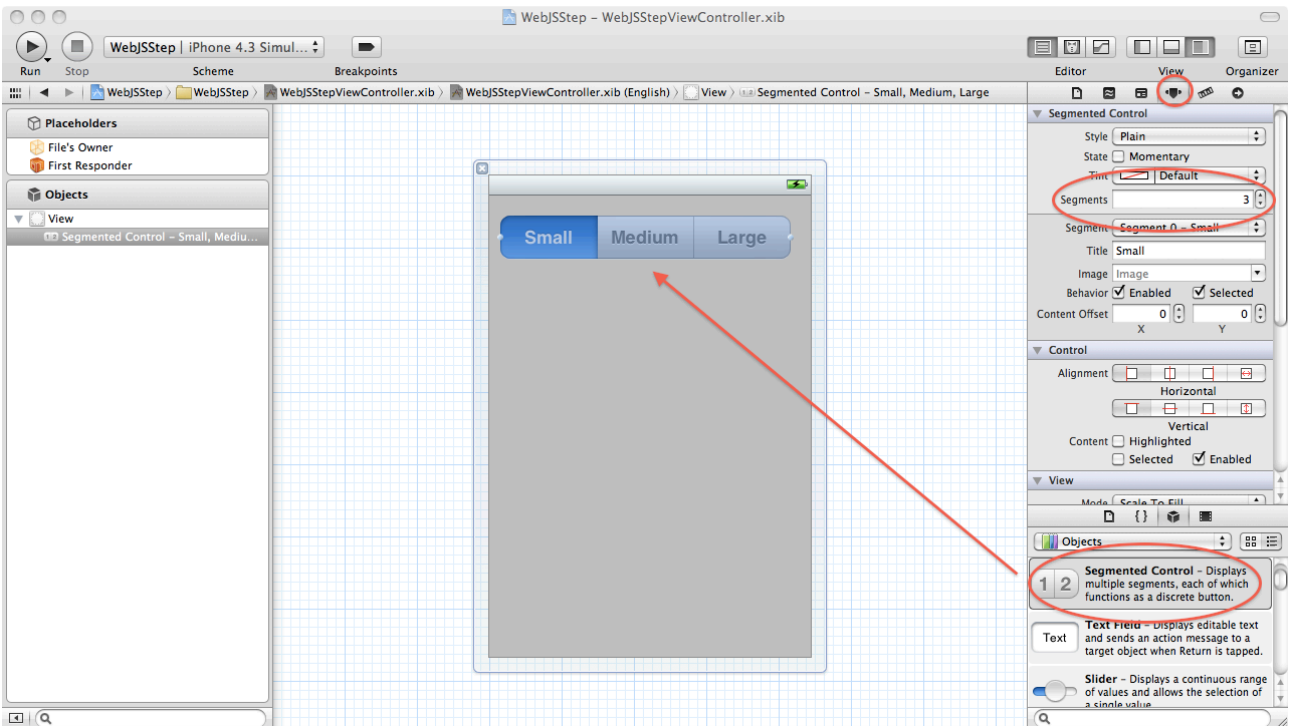
Include Unit Tests是做語意邏輯測試用,可勾選也可不勾選,在此我們統一不勾選, 存檔



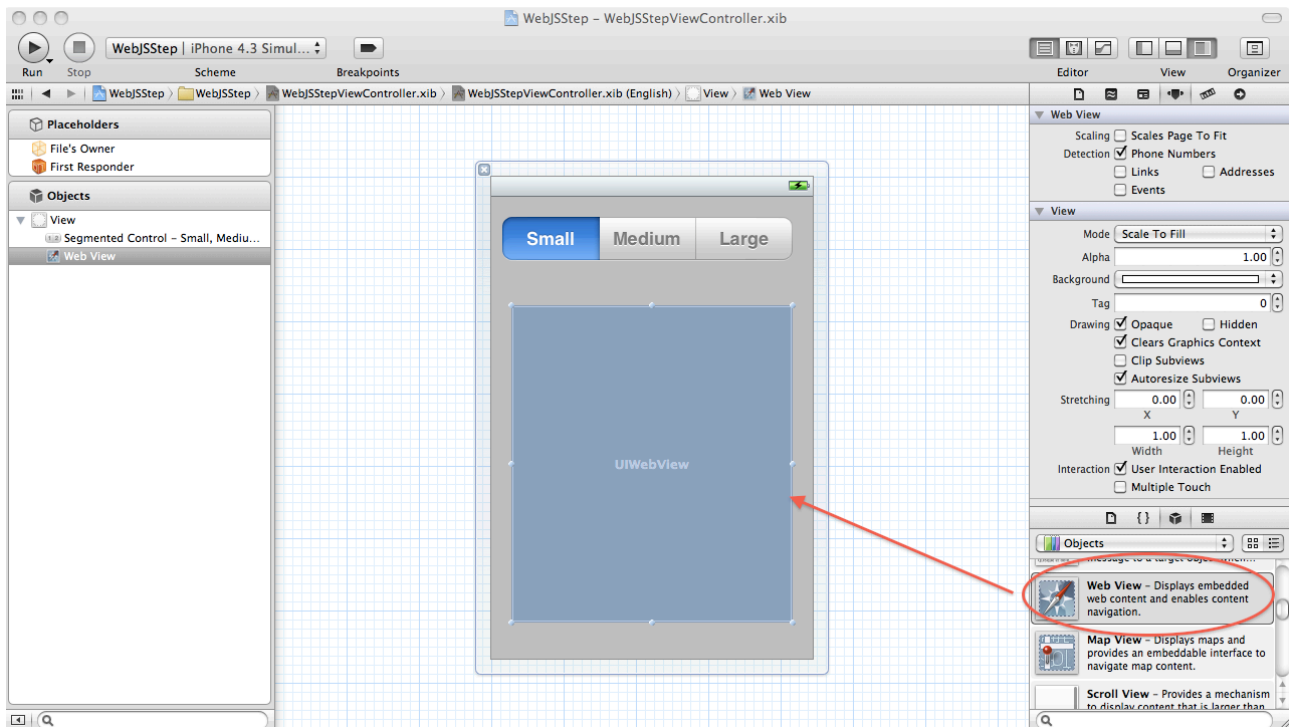
Step 3. 接著點選WebJSStepUIController.xib, 編輯 view.



Step 4. 在右下方的 Objects Library, 拉上一個Segmented Control. 因為我們需要的是三個 Segments 的 Control, 所以在Attribute 中將Segments 設為3, 並將三個Segments 分別命名為Small, Medium 和Large.



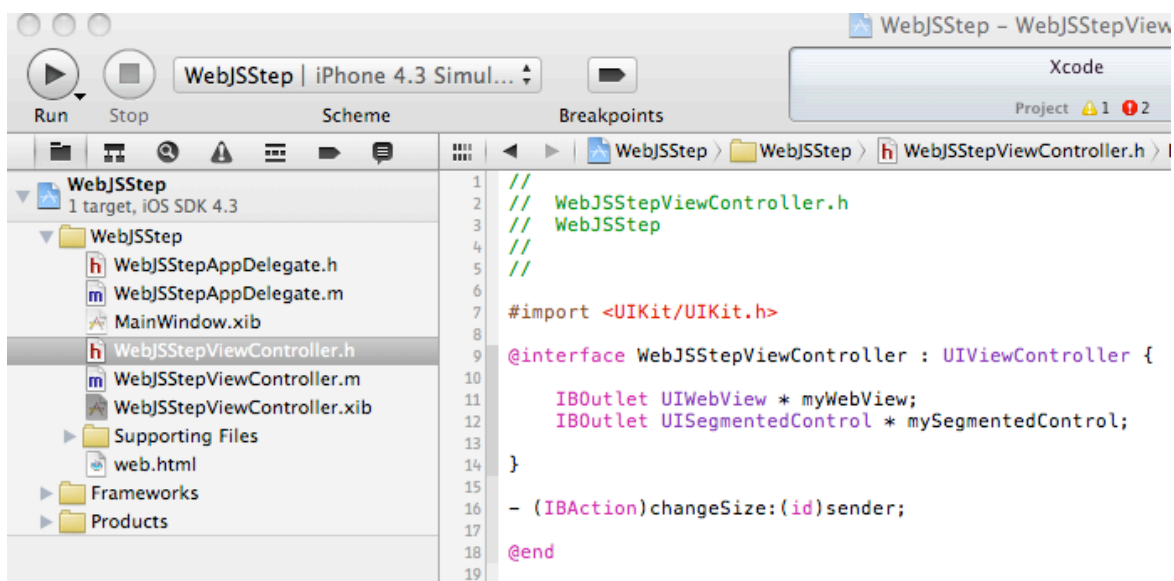
Step 5. 接著拉選一個Web View.



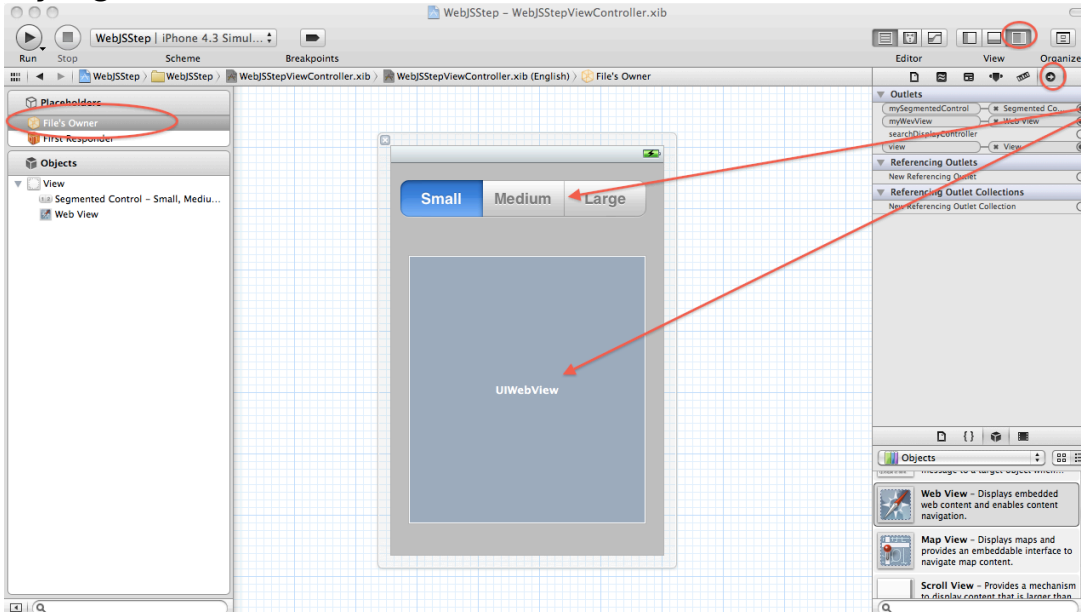
Step 6. Xib 檔案設計完畢之後, 接著我們到 WebJSStepViewController.h 建立相對於Xib 上的物件.

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

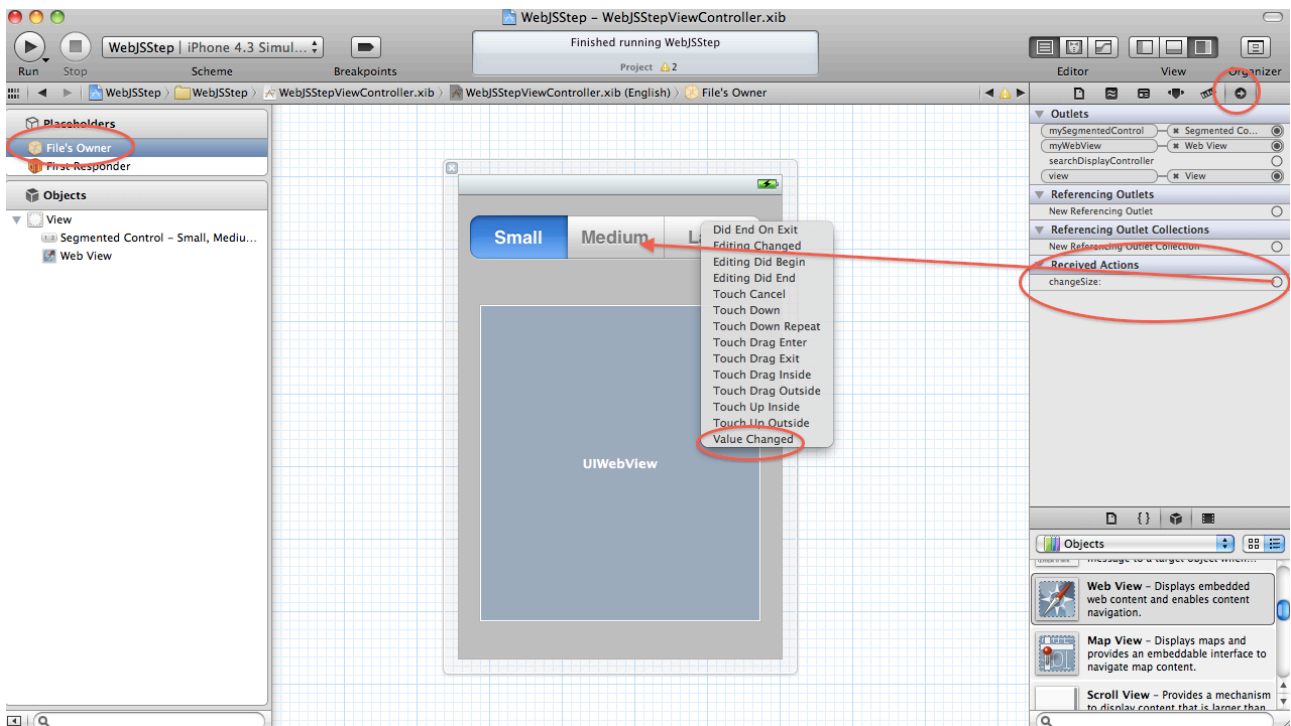
```
@interface WebJSStepViewController : UIViewController {  
    IBOutlet UIWebView * myWebView;  
    IBOutlet UISegmentedControl * mySegmentedControl;  
}  
- (IBAction)changeSize:(id)sender;  
  
@end
```



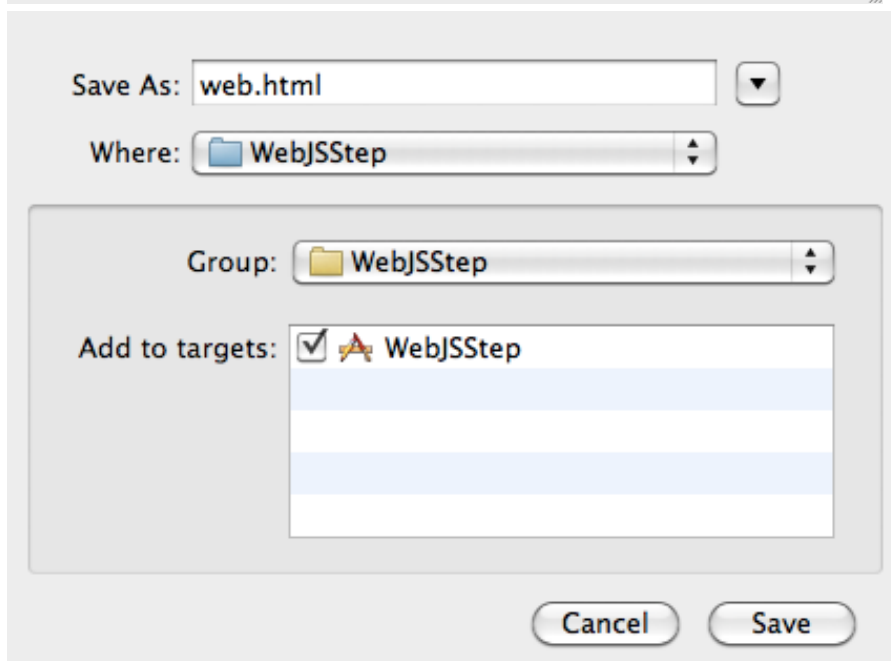
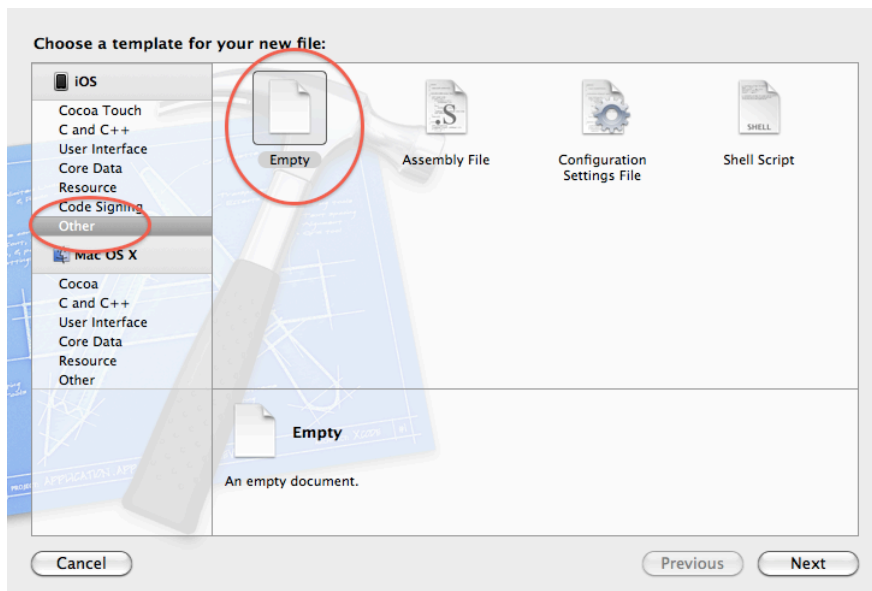
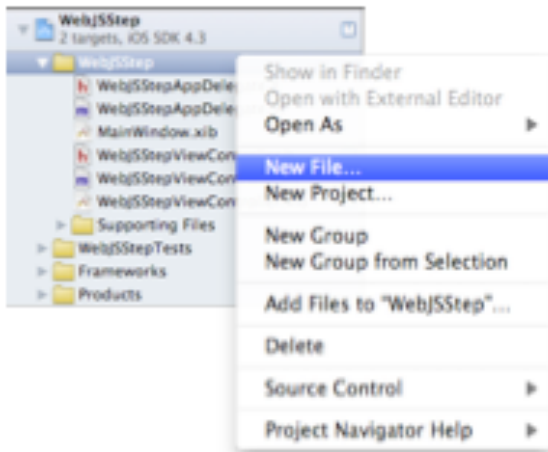
Step 7. 接著我們回到 WebJSStepViewController.xib, 在 File Owner中將myWebView, mySegmentedController 和xib 上的物件做連結。



Step 8 接著將 changeSize 連結到 SegmentedControl 裡的 value change event.



Step 9. 接著我們在project裡面新增一個 **empty file**. 取名為**web.html**.



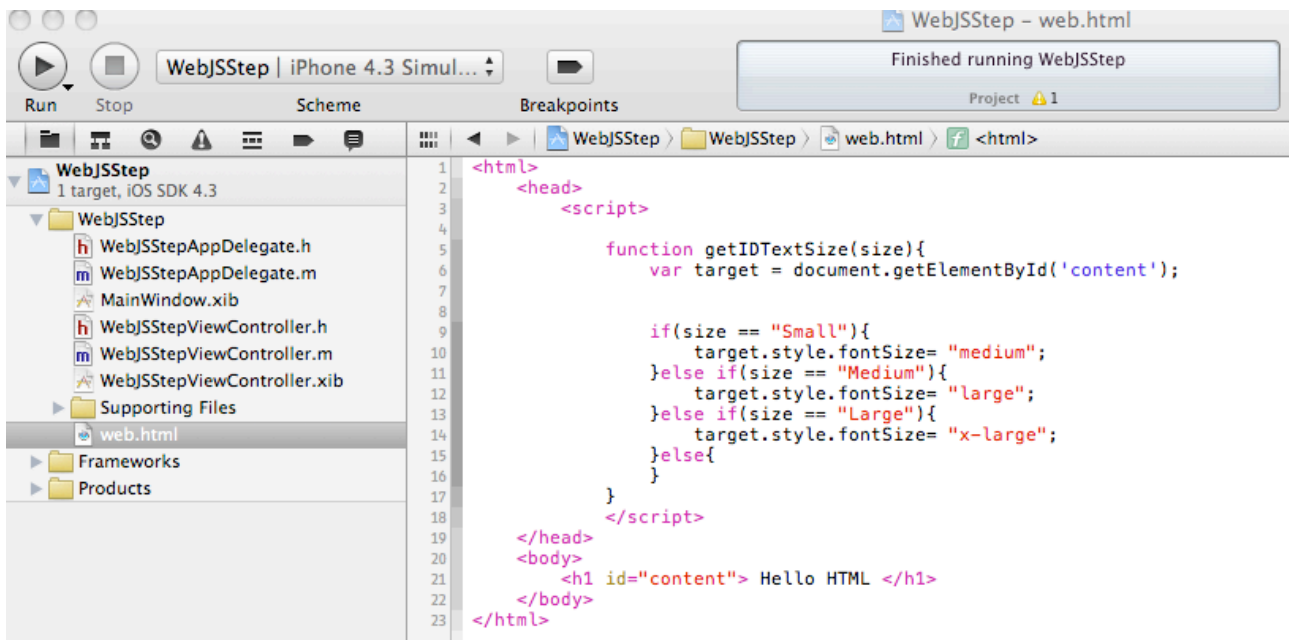
Step 10. 在 [web.html](#) 裡, 我們加入JavaScript,

```
<html>
  <head>
    <script>

      function getIDTextSize(size){
        var target = document.getElementById('content');

        if(size == "Small"){
          target.style.fontSize= "medium";
        }else if(size == "Medium"){
          target.style.fontSize= "large";
        }else if(size == "Large"){
          target.style.fontSize= "x-large";
        }else{
        }

      }
    </script>
  </head>
  <body>
    <h1 id="content"> Hello HTML</h1>
  </body>
</html>
```



Step11. 接著到 **WebJSStepViewController.m**,

ViewDidLoad 裡寫以下的 **code**, 將 **myWebView**讀入 [web.html](#).

```
- (void)viewDidLoad
{
    [super viewDidLoad];
    NSString * filePathString = [[NSBundle mainBundle]
pathForResource:@"web" ofType:@"html"];
    NSURL * fileURL = [NSURL URLWithString:filePathString];
    [myWebView loadRequest:[NSURLRequest requestWithURL:fileURL]];
}
```

Step 12. 接著實作 - (**IBAction**)changeSize:(**id**)sender

```
- (IBAction)changeSize:(id)sender {
    NSString * sizeString = [sender titleForSegmentAtIndex:[sender
selectedSegmentIndex]];
    [myWebView stringByEvaluatingJavaScriptFromString:[NSString
stringWithFormat:@"getIDTextSize('%@');",sizeString ]];
}
```

當 **SegmentedControl** 改變 **value**的時候, 去判讀所選的**Segment** 中的 **Index (text)**, 這個值將會在[web.html](#) 裡被當作設定文字大小的依據.
你可以如以下圖來實作你的**code**.

```
// Implement viewDidLoad to do additional setup after loading the view, typically from a nib.
- (void)viewDidLoad
{
    [super viewDidLoad];
    [super viewDidLoad];
    NSString * filePathString = [[NSBundle mainBundle] pathForResource:@"web" ofType:@"html"];
    NSURL * fileURL = [NSURL URLWithString:filePathString];
    [myWebView loadRequest:[NSURLRequest requestWithURL:fileURL]];
}

- (IBAction)changeSize:(id)sender {
    NSString * sizeString = [sender titleForSegmentAtIndex:[sender selectedSegmentIndex]];
    [myWebView stringByEvaluatingJavaScriptFromString:[NSString stringWithFormat:@"getIDTextSize('%@');",sizeString ]];
}
```

Step 13. Run (⌘+R)

改變上方的SegmentedController, 將可以感受到文字大小的改變.

