iOS_初階
Communicating with Web

Outline

- 網路連線API介紹
- ASIHTTP操作練習
- XML解析練習
- SQLite操作練習
- NSUserDefaults操作練習
- PLIST操作練習

網路連線API介紹

- NSURLConnection
  - 取消: cancel
  - 取得回應: - (void)connection:(NSURLConnection *)theConnection didReceiveResponse:(NSURLResponse *)response;
  - 取得資料: - (void)connection:(NSURLConnection *)theConnection didReceiveData:(NSData *)data;
  - 錯誤回報: - (void)connection:(NSURLConnection *)theConnection didFailWithError:(NSError *)error;
  - 結束連線: - (void)connectionDidFinishLoading:(NSURLConnection *)theConnection;

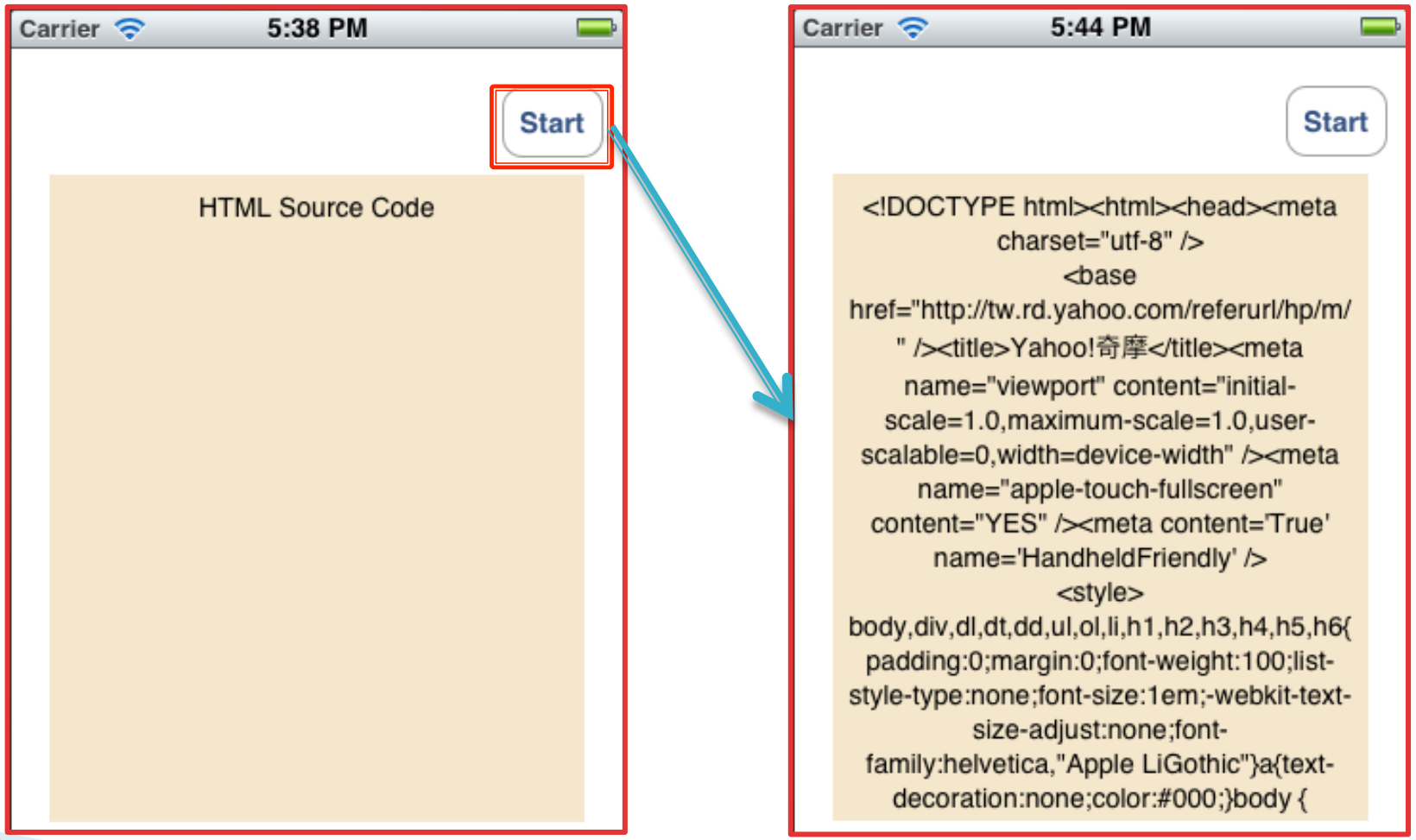
網路連線API介紹

- ASIHTTP SDK
  - http://allseeing-i.com/ASIHTTPRequest/
  - 初始化網址
    - – (id)initWithURL:(NSURL *)newURL;
  - 開啓讀取
    - – (void)startSynchronous;
  - 取得回傳字串
    - – (NSString *)responseString;
  - 取得回傳資料
    - – (NSData *)responseData;
  - 設定POST
    - – (void)setPostValue:(id <NSObject>)value forKey :(NSString *)key;

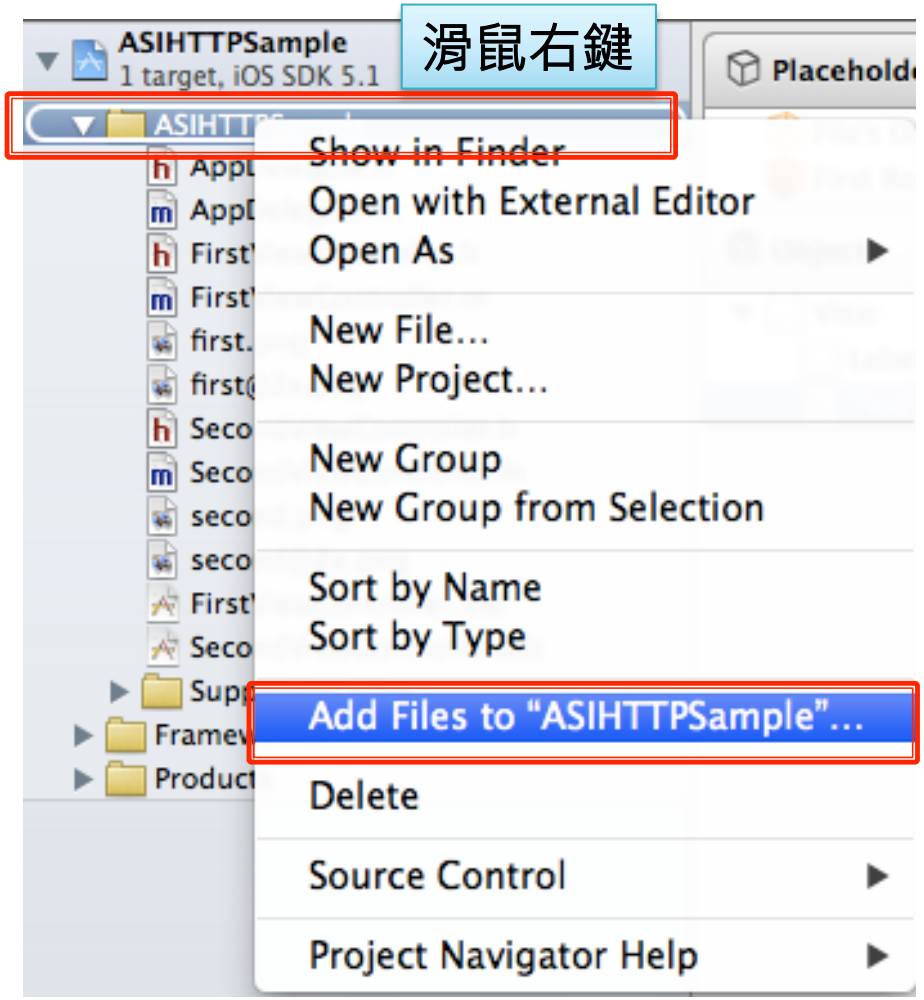
ASIHTTP操作練習

- 學習目的
  - 導入ASIHTTP資料庫
  - 使用ASIHTTP SDK
  - 傳送POST

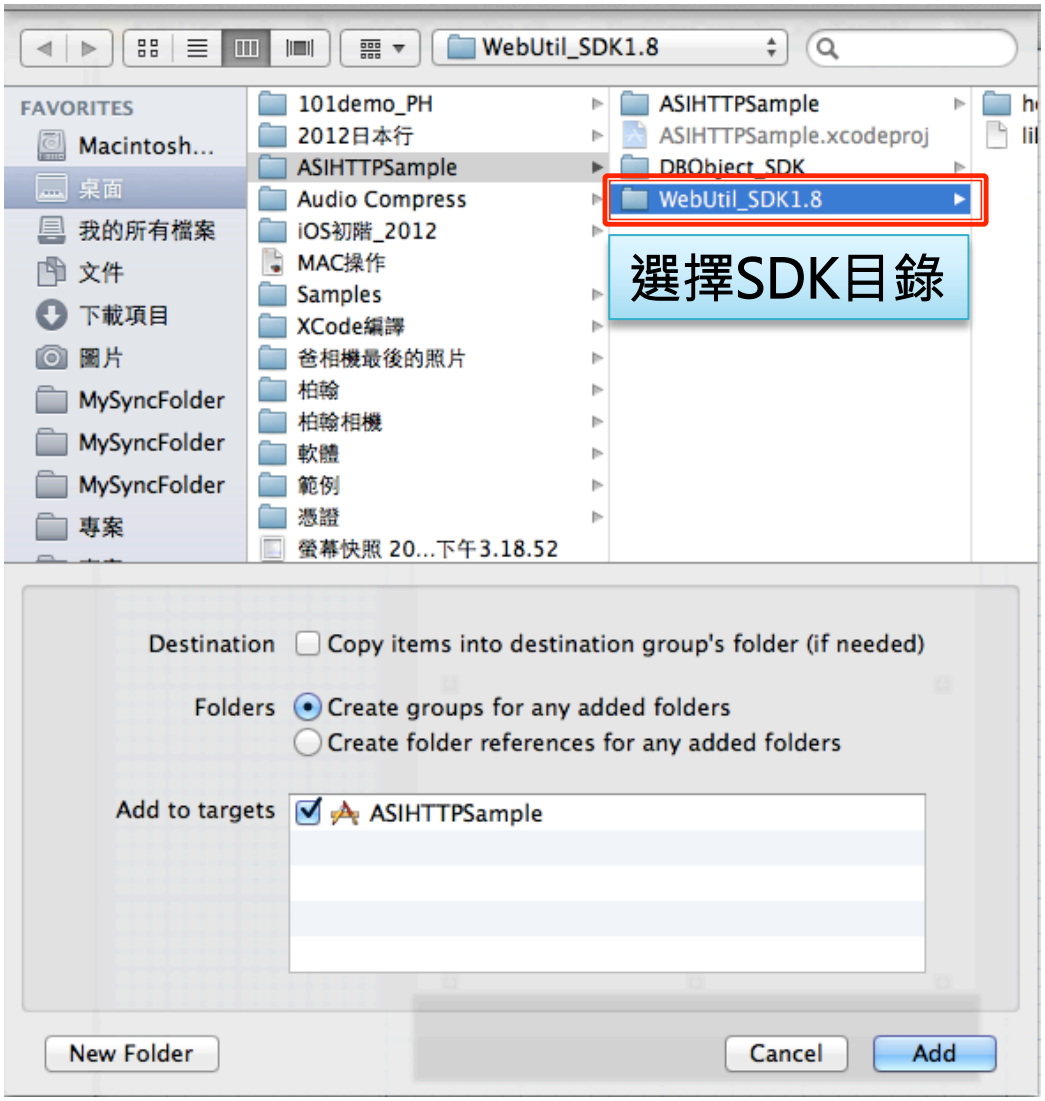
執行結果


Carrier
5:38 PM
Start
HTML Source Code
Carrier
5:44 PM
Start
<!DOCTYPE html><html><head><meta charset="utf-8" /> <base href="http://tw.rd.yahoo.com/referurl/hp/m/" /><title>Yahoo!奇摩</title><meta name="viewport" content="initial-scale=1.0,maximum-scale=1.0,user-scalable=0,width=device-width" /><meta name="apple-touch-fullscreen" content="YES" /><meta content='True' name='HandheldFriendly' /> <style> body,div,dl,dt,dd,ul,ol,li,h1,h2,h3,h4,h5,h6{ padding:0;margin:0;font-weight:100;list-style-type:none;font-size:1em;-webkit-text-size-adjust:none;font-family:helvetica,"Apple LiGothic"}a{text-decoration:none;color:#000;}body {

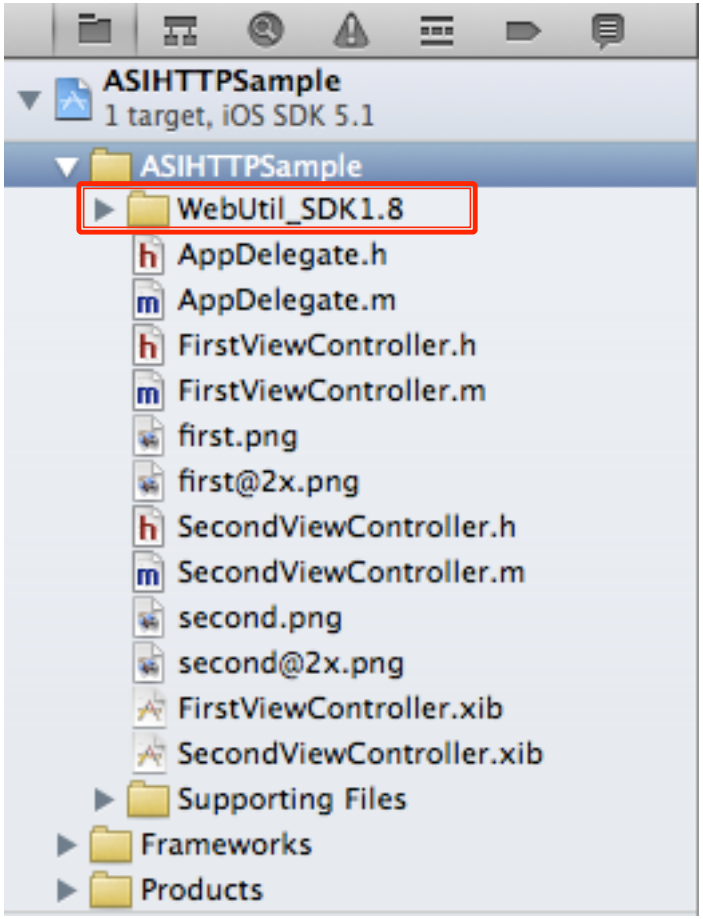
導入ASIHTTP


滑鼠右鍵
ASIHTTPSample
1 target, iOS SDK 5.1
Placeholde
Show in Finder
Open with External Editor
Open As
New File...
New Project...
New Group
New Group from Selection
Sort by Name
Sort by Type
Add Files to "ASIHTTPSample"...
Delete
Source Control
Project Navigator Help

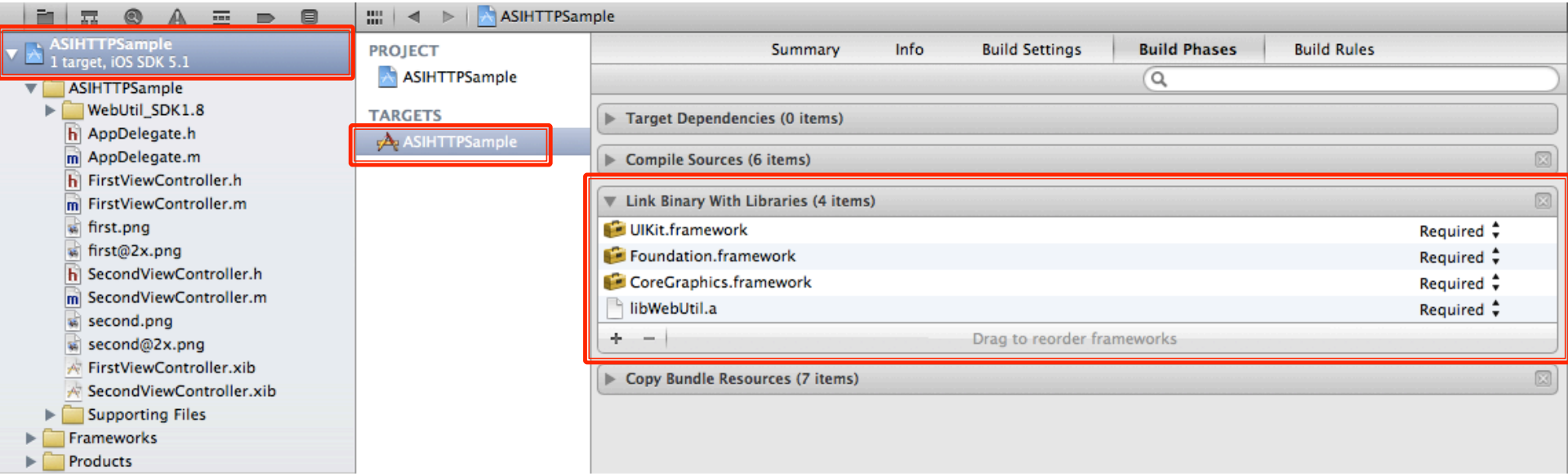
導入ASIHTTP


WebUtil_SDK1.8
FAVORITES
Macintosh...
桌面
我的所有檔案
文件
下載項目
圖片
MySyncFolder
MySyncFolder
MySyncFolder
專案
101demo_PH
2012日本行
ASIHTTPSample
Audio Compress
iOS初階_2012
MAC操作
Samples
XCode編譯
爸相機最後的照片
柏翰
柏翰相機
軟體
範例
憑證
螢幕快照 20...下午3.18.52
ASIHTTPSample
ASIHTTPSample.xcodeproj
DBObject_SDK
WebUtil_SDK1.8
選擇SDK目錄
Destination
Copy items into destination group's folder (if needed)
Folders
Create groups for any added folders
Create folder references for any added folders
Add to targets
ASIHTTPSample
New Folder
Cancel
Add

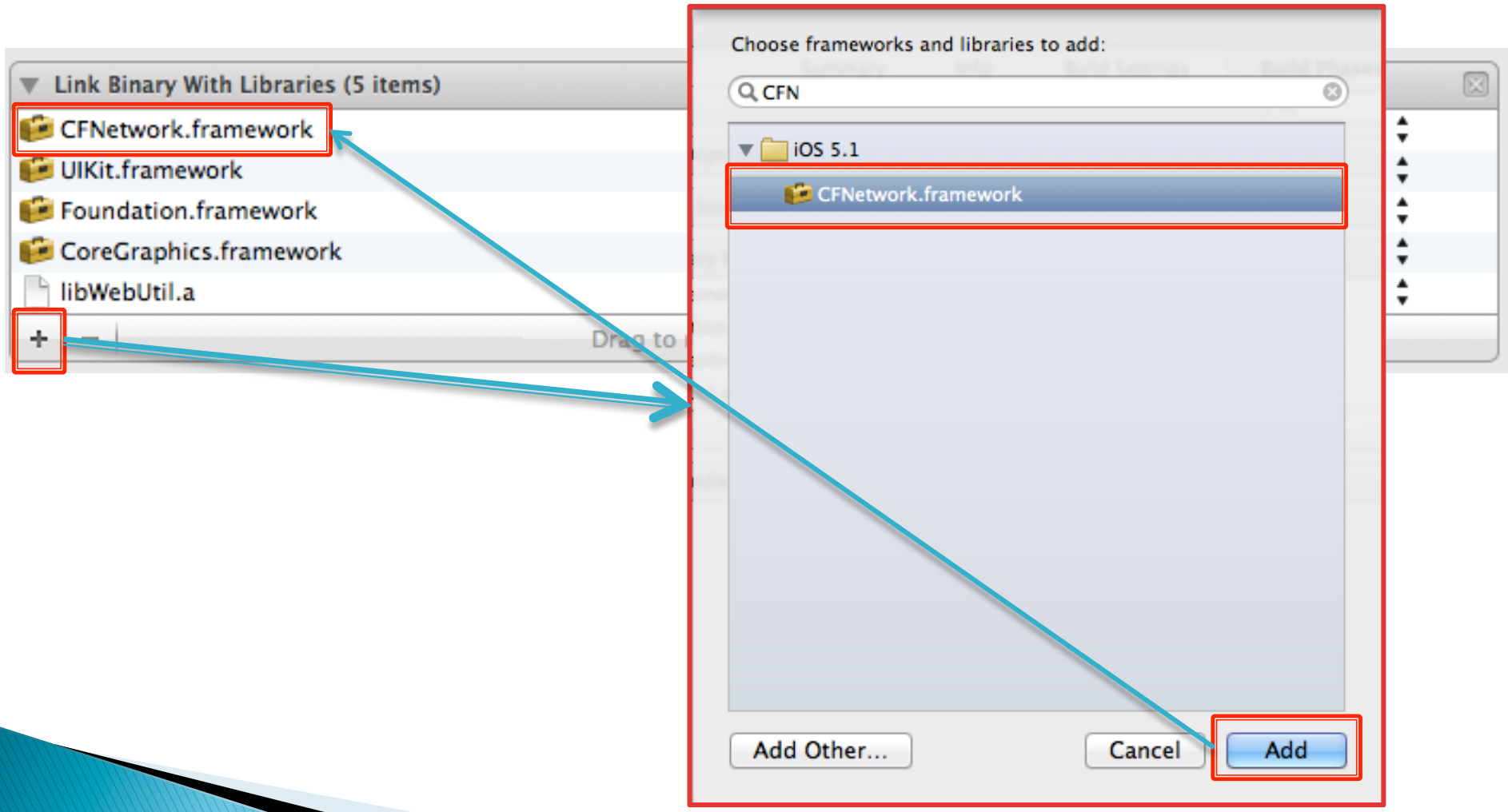
導入ASIHTTP


ASIHTTPSample
1 target, iOS SDK 5.1
ASIHTTPSample
WebUtil_SDK1.8
AppDelegate.h
AppDelegate.m
FirstViewController.h
FirstViewController.m
first.png
first@2x.png
SecondViewController.h
SecondViewController.m
second.png
second@2x.png
FirstViewController.xib
SecondViewController.xib
Supporting Files
Frameworks
Products

導入ASIHTTP


ASIHTTPSample
1 target, iOS SDK 5.1
ASIHTTPSample
WebUtil_SDK1.8
AppDelegate.h
AppDelegate.m
FirstViewController.h
FirstViewController.m
first.png
first@2x.png
SecondViewController.h
SecondViewController.m
second.png
second@2x.png
FirstViewController.xib
SecondViewController.xib
Supporting Files
Frameworks
Products
ASIHTTPSample
PROJECT
ASIHTTPSample
TARGETS
ASIHTTPSample
Summary
Info
Build Settings
Build Phases
Build Rules
Target Dependencies (0 items)
Compile Sources (6 items)
Link Binary With Libraries (4 items)
UIKit.framework
Required
Foundation.framework
Required
CoreGraphics.framework
Required
libWebUtil.a
Required
Drag to reorder frameworks
Copy Bundle Resources (7 items)

導入ASIHTTP


Link Binary With Libraries (5 items)
CFNetwork.framework
UIKit.framework
Foundation.framework
CoreGraphics.framework
libWebUtil.a
Choose frameworks and libraries to add:
CFN
iOS 5.1
CFNetwork.framework
Add Other...
Cancel
Add

導入ASIHTTP

- 加入剩餘函式庫
  - MobileCoreServices.framework
  - SystemConfiguration.framework
  - libz.1.1.3.dylib

定義介面參數(.h)

- 說明
  - #import "ASIHTTPRequest.h”
  - 定義UITextView類別的變數textView_Context

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

@interface FirstViewController : UIViewController
{
    IBOutlet UITextView *textView_Context;
}
@end
```

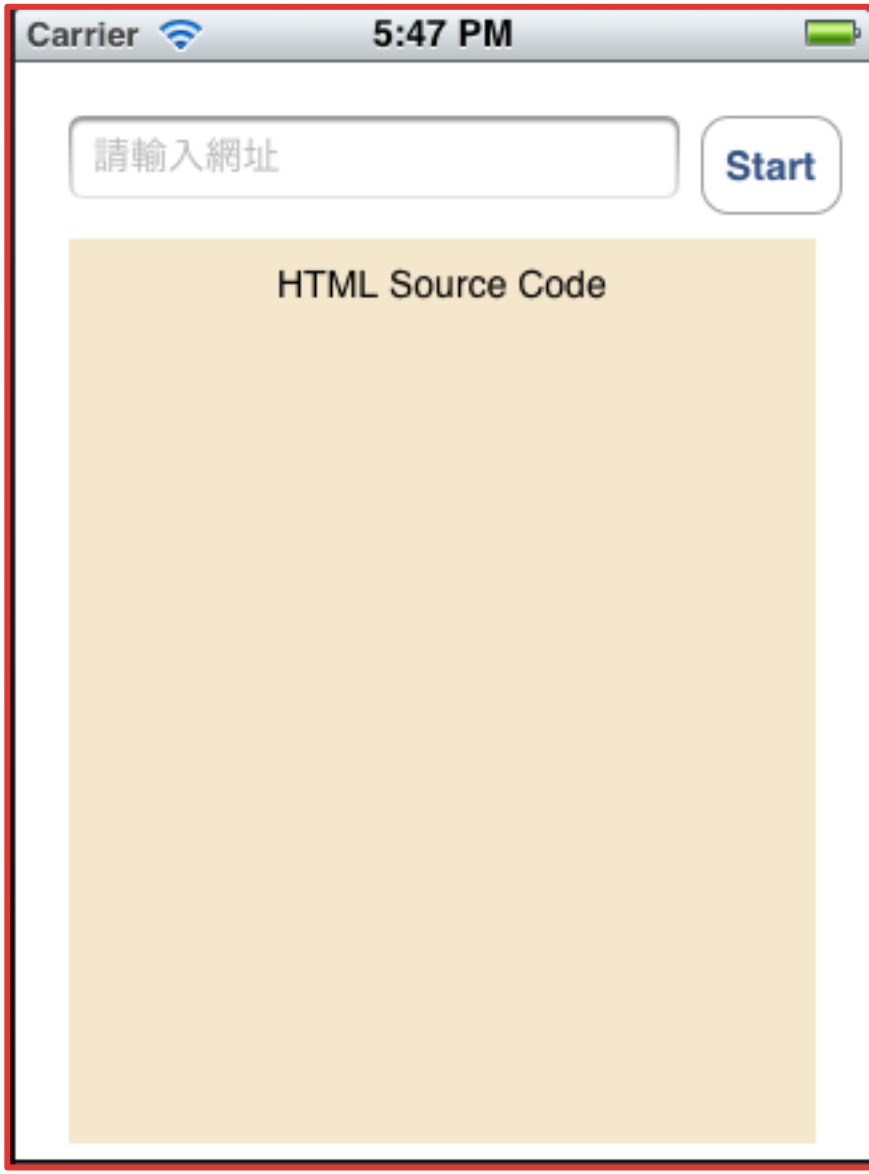
實作(.m)

- 實作btnStartAction函式

```
- (IBAction)btnStartAction:(id)sender {
    NSURL *url = [NSURL URLWithString: @"http://www.yahoo.com.tw"];

    ASIHTTPRequest *request = [ASIHTTPRequest requestWithURL:url];
    [request startSynchronous];

    NSError *error = [request error];
    //int statusCode = [request responseStatusCode];
    if (!error) {
        //NSLog(@"Response: %@", [request responseString]);
        textView_Context.text = [request responseString];
    } else {
        //NSLog(@"Error: %@", error);
        textView_Context.text = [NSString stringWithFormat:@"%@", error];
    }
}
```

實作練習

- 使用者輸入網址後
- 取得該網址的HTML原始碼



XML解析練習

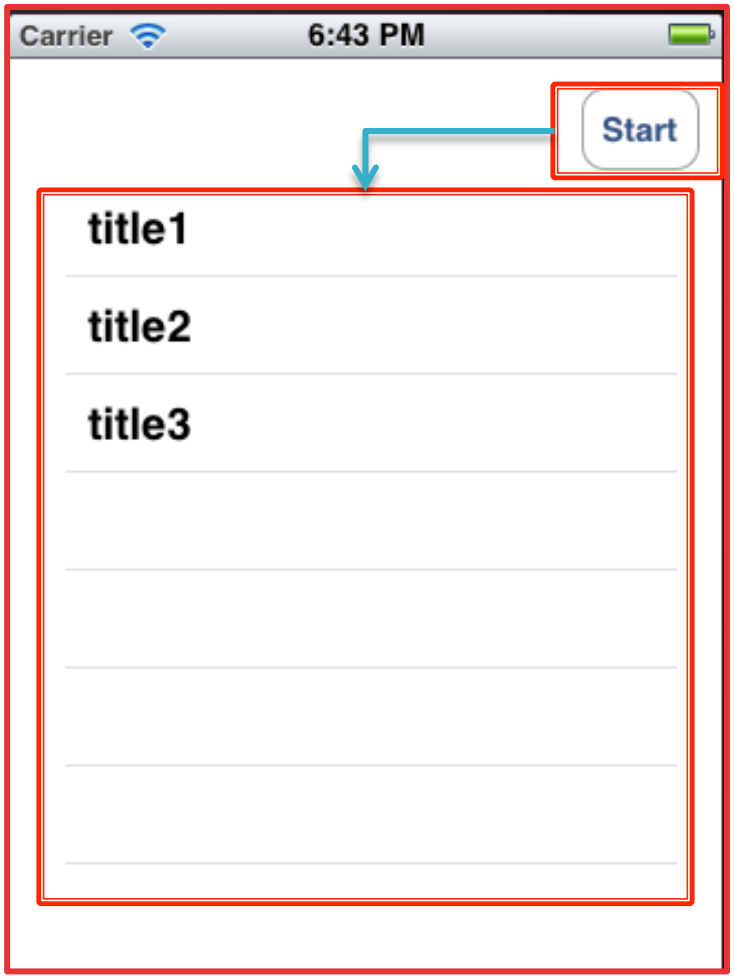
- 學習目的
  - 操作NSXMLParser解析XML資料
  - 透過XMLEngine取的解析過的XML資料

NSXMLParser說明

- NSXMLParser
  - 初始化解析網址: - (id)initWithContentsOfURL:(NSURL *)url;設定呼叫類別: - (void)setDelegate:(id <NSXMLParserDelegate>)delegate;
  - 初始化解析資料: - (id)initWithData:(NSData *)data;
- NSXMLParserDelegate
  - - (void)parser:(NSXMLParser *)parser parseErrorOccurred:(NSError *)parseError;
  - - (void)parserDidEndDocument:(NSXMLParser *)parser;
  - - (void)parser:(NSXMLParser *)parser foundCharacters:(NSString *)string;
  - - (void)parser:(NSXMLParser *)parser didStartElement:(NSString *)elementName namespaceURI:(NSString *)namespaceURI qualifiedName :(NSString *)qName attributes:(NSDictionary *)attributeDict;
  - - (void)parser:(NSXMLParser *)parser didEndElement:(NSString *)elementName namespaceURI:(NSString *)namespaceURI qualifiedName :(NSString *)qName;

NSXMLParser操作練習

- 執行結果



定義介面參數(.h)

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

@interface SecondViewController : UIViewController
    <NSXMLParserDelegate, UITableViewDelegate, UITableViewDataSource>
{
    IBOutlet UITableView *m_table;

    NSMutableArray *arrData;
    // a temporary item; added to the "stories" array one at a time, and cleared for the next one
    NSMutableDictionary *xmlItem;
    // it parses through the document, from top to bottom...
    // we collect and cache each sub-element value, and then save each item to our array.
    // we use these to track each current item, until it's ready to be added to the "stories" array
    NSString * currentElement;
    NSMutableString *currentString;
}
@end
```

實作(.m)

- btnStartAction

```
- (IBAction)btnStartAction:(id)sender {
    if(arrData == nil) arrData = [[NSMutableArray alloc] initWithCapacity:0];
    else [arrData removeAllObjects];

    NSURL *url = [NSURL URLWithString: @"http://freeidea.mypricemap.com/test.xml"];
    NSXMLParser *xmlParser = [[NSXMLParser alloc] initWithContentsOfURL:url];
    // Set self as the delegate of the parser so that it will receive the parser delegate methods callbacks.
    [xmlParser setDelegate:self];
    [xmlParser parse];
    [xmlParser release];
}
```

實作(.m)

- NSXMLParserDelegate

```
#pragma mark - NSXMLParserDelegate
- (void)parser:(NSXMLParser *)parser parseErrorOccurred:(NSError *)parseError {
    NSString * errorString = [NSString stringWithFormat:@"Unable to download story feed from web site (Error code %i )"
        , [parseError code]];
    NSLog(@"error parsing XML: %@", errorString);

    UIAlertView * errorAlert = [[UIAlertView alloc] initWithTitle:@"Error loading content" message:errorString
        delegate:self cancelButtonTitle:@"OK" otherButtonTitles:nil];
    [errorAlert show];
    [errorAlert release];
}

- (void)parserDidEndDocument:(NSXMLParser *)parser {
    NSLog(@"all done!");
    NSLog(@"stories array has %d items", [arrData count]);
    NSLog(@"%@", arrData);

    if(currentElement) [currentElement release];
    if(currentString) [currentString release];
    if(xmlItem) [xmlItem release];

    [m_table reloadData];
}
```

實作(.m)

```
- (void)parser:(NSXMLParser *)parser didStartElement:(NSString *)elementName namespaceURI:(NSString *)namespaceURI
    qualifiedName:(NSString *)qName attributes:(NSDictionary *)attributeDict {
    NSLog(@"found this element: %@", elementName);
    if(currentElement) [currentElement release];
    currentElement = [elementName copy];
    if ([elementName isEqualToString:@"msg"]) {
        // clear out our story item caches...
        if(xmlItem) [xmlItem release];
        xmlItem = [[NSMutableDictionary alloc] initWithCapacity:0];
    }
    if(currentString) [currentString release];
    currentString = [[NSMutableString alloc] initWithCapacity:0];
}

- (void)parser:(NSXMLParser *)parser didEndElement:(NSString *)elementName namespaceURI:(NSString *)namespaceURI
    qualifiedName:(NSString *)qName{
    NSLog(@"ended element: %@", elementName);
    if ([elementName isEqualToString:@"msg"]) {
        // save values to an item, then store that item into the array...
        [arrData addObject:xmlItem];
        [xmlItem release];
        xmlItem = nil;
    }
    else if(xmlItem != nil){
        [xmlItem setObject:currentString forKey:currentElement];
    }
}

- (void)parser:(NSXMLParser *)parser foundCharacters:(NSString *)string {
    NSLog(@"found characters: %@", string);
    // save the characters for the current item...
    [currentString appendString:string];
}
```

實作(.m)

- UITableViewDataSource & tableViewDelegate

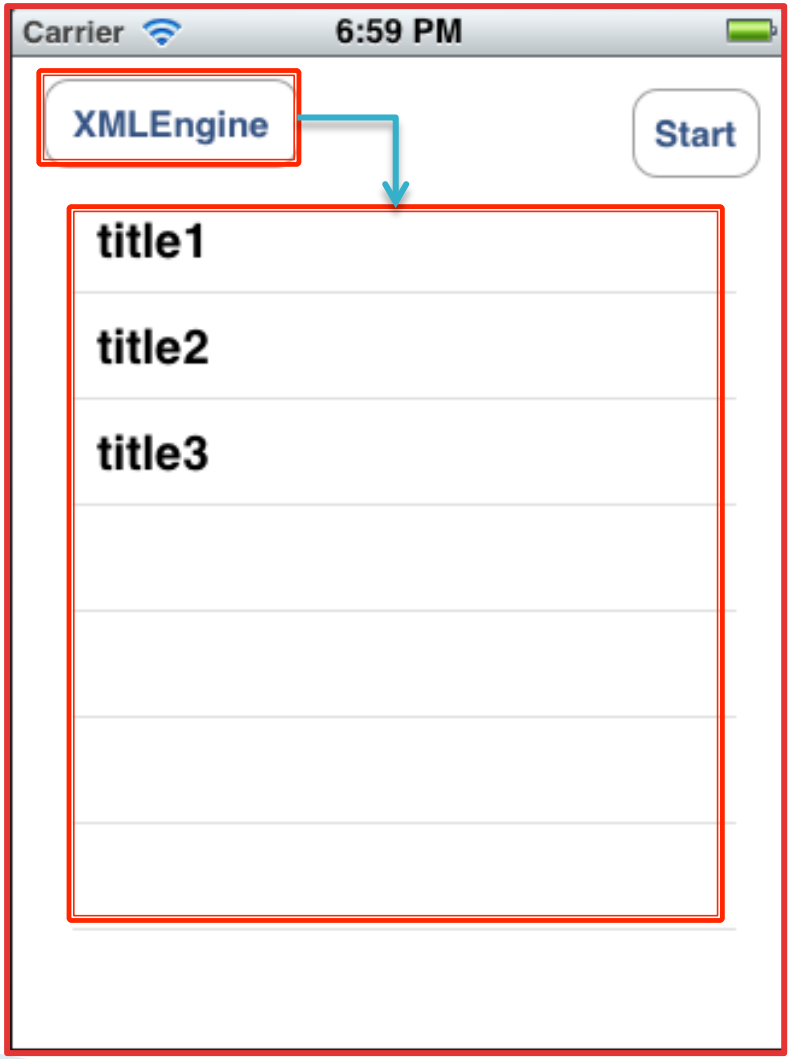
```
#pragma mark - UITableViewDataSource Methods
- (NSInteger)tableView:(UITableView *)tableView numberOfRowsInSection:(NSInteger)section {
    return arrData.count;
}

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

    NSString *CellIdentifier = @"UITableViewCell";
    UITableViewCell *cell =[tableView dequeueReusableCellWithIdentifier:CellIdentifier];
    if (cell == nil) {
        cell = [[UITableViewCell alloc] initWithStyle:UITableViewCellStyleDefault reuseIdentifier:CellIdentifier];
    }

    NSMutableDictionary *dict = [arrData objectAtIndex:indexPath.row];
    cell.textLabel.text = [NSString stringWithFormat:@"%@", [dict objectForKey:@"title"]];
    return cell;
}

#pragma mark - tableViewDelegate Methods

- (void)tableView:(UITableView *)tableView didSelectRowAtIndexPath:(NSIndexPath *)indexPath {
    [tableView deselectRowAtIndexPath:indexPath animated:YES];

}
```

XMLEngine說明

- XMLEngine
  - 加入函式庫: libxml2.2.7.3.dylib
  - 建立XML資料
    - – (NSString*) Create1LXML : (NSString*) root : (NSArray *)arrKey: (NSArray *)arrValue;
  - 解析資料
    - – (NSMutableArray*) Parse3LResponse: (NSData*) document;

XMLEngine操作練習

- 執行結果



定義介面參數(.h)

```
#import <UIKit/UIKit.h>
#import "ASIHTTPRequest.h"
#import "XMLEngine.h"

@interface SecondViewController : UIViewController
    <NSXMLParserDelegate, UITableViewDelegate, UITableViewDataSource>
{
    IBOutlet UITableView *m_table;

    NSMutableArray *arrData;
    // a temporary item; added to the "stories" array one at a time, and cleared for the next one
    NSMutableDictionary *xmlItem;
    // it parses through the document, from top to bottom...
    // we collect and cache each sub-element value, and then save each item to our array.
    // we use these to track each current item, until it's ready to be added to the "stories" array
    NSString * currentElement;
    NSMutableString *currentString;
}
@end
```

實作(.m)

- btnXMLEngineAction

```
- (IBAction)btnXMLEngineAction:(id)sender {
    if(arrData == nil) arrData = [[NSMutableArray alloc] initWithCapacity:0];
    else [arrData removeAllObjects];

    NSURL *url = [NSURL URLWithString: @"http://freeidea.mypricemap.com/test.xml"];
    ASIHTTPRequest *request = [ASIHTTPRequest requestWithURL:url];
    [request startSynchronous];

    NSError *error = [request error];
    if (!error) {
        NSLog(@"Response: %@", [request responseString]);
        XMLEngine *xmlobj = [[XMLEngine alloc]init];
        NSMutableArray *root = [xmlobj Parse3LResponse:[request responseData]];
        if(root == nil) return;
        NSLog(@"XML: %@", root);

        for(int i = 1; i < root.count; i++) {
            [arrData addObject:[root objectAtIndex:i]];
        }
        [m_table reloadData];
    } else {
        NSLog(@"Error: %@", error);
    }
}
```

實作(.m)

- btnStartAction

```
- (IBAction)btnStartAction:(id)sender {
    if(arrData == nil) arrData = [[NSMutableArray alloc] initWithCapacity:0];
    else [arrData removeAllObjects];

    NSURL *url = [NSURL URLWithString: @"http://freeidea.mypricemap.com/test.xml"];
    NSXMLParser *xmlParser = [[NSXMLParser alloc] initWithContentsOfURL:url];
    // Set self as the delegate of the parser so that it will receive the parser delegate methods callbacks.
    [xmlParser setDelegate:self];
    [xmlParser parse];
    [xmlParser release];
}
```

SQLite操作練習

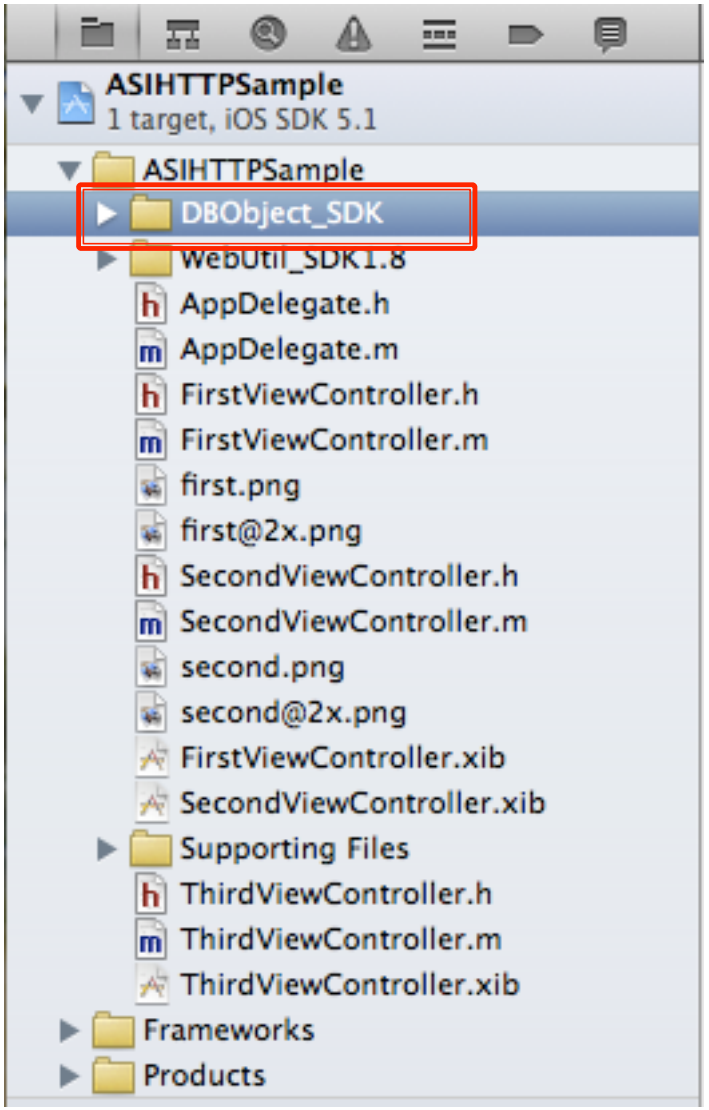
- 學習目的
  - 導入DBObject SDK
  - 操做DBObject類別
  - 透過DBObject類別操作SQLite
  - 儲存解析的資料

DBObject

- DBObject
  - 初始化資料庫
    - - (id) initWithTables: (NSString *)outtables andFields:(NSString *)outfields isNewDB:(BOOL)isnew;
  - 資料表操作
    - - (bool) insertDBWithDictionary:(NSString *)table: (NSMutableDictionary *)values;
    - - (void) deleteDB: (NSString *)table: (NSString *)condition;
    - - (NSMutableArray *) selectDB: (NSString*)table: (NSString *)fields : (NSString*)constrain;
    - - (void) modifyDB: (NSString *)table: (NSMutableDictionary *)setData: (NSString *)condition;
- 注意事項
  - SQLite無法使用關聯性查詢
  - DBObject SDK所有資料皆以字串儲存
  - DBObject SDK的資料表已預設一鍵值(id)

導入DBObject

- 加入專案
- 加入函式庫
  - libsqlite3.0.dylib



設定TABLES及FIELDS

- DBObject.h

```
#define TABLE1 @"table1"
#define FIELDS1 @"m_id,m_title,m_time"

#define TABLE2 @"table2"
#define FIELDS2 @"m_id,m_title,context,m_time"

#define TABLES TABLE1"\n\n"TABLE2
#define FIELDS FIELDS1"\n\n"FIELDS2
```

定義介面參數(.h)

```
#import <UIKit/UIKit.h>
#import "ASIHTTPRequest.h"
#import "XMLEngine.h"
#import "DBObject.h"

@interface ThirdViewController : UIViewController
{
    DBObject *dbObject;

    IBOutlet UITableView *m_table;

    NSMutableArray *arrData;
    // a temporary item; added to the "stories" array one at a time, and cleared for the next one
    NSMutableDictionary *xmlItem;
    // it parses through the document, from top to bottom...
    // we collect and cache each sub-element value, and then save each item to our array.
    // we use these to track each current item, until it's ready to be added to the "stories" array
    NSString * currentElement;
    NSMutableString *currentString;
}
@end
```

實作(.m)

```
- (IBAction)btnXMLEngineAction:(id)sender {
    [arrData removeAllObjects];

    NSURL *url = [NSURL URLWithString: @"http://freeidea.mypricemap.com/test.xml"];
    ASIHTTPRequest *request = [ASIHTTPRequest requestWithURL:url];
    [request startSynchronous];

    NSError *error = [request error];
    if (!error) {
        NSLog(@"Response: %@", [request responseString]);
        XMLEngine *xmlobj = [[XMLEngine alloc]init];
        NSMutableArray *root = [xmlobj Parse3LResponse:[request responseData]];
        if(root == nil) return;
        NSLog(@"XML: %@", root);

        for(int i = 1; i < root.count; i++) {
            //[arrData addObject:[root objectAtIndex:i]];
            NSMutableArray *arr2L = [root objectAtIndex:i];
            NSMutableDictionary *dict = [arr2L objectAtIndex:0];
            //轉換資料
            [dict setObject:[NSString stringWithFormat:@"%@", [dict objectForKey:@"title"]] forKey:@"m_title"];
            [dict setObject:[NSString stringWithFormat:@"%@", [dict objectForKey:@"context"]] forKey:@"m_context"];
            [dict setObject:[NSString stringWithFormat:@"%@", [dict objectForKey:@"date"]] forKey:@"m_time"];
            //刪除已存在資料
            NSArray *arrTmp = [dbObject selectDB:TABLE1 :SELECTALLFIELDS :[NSString stringWithFormat:@" where m_title=
                '%@'", [dict objectForKey:@"title"]]];
            for(int i = 0; i < arrTmp.count; i++) {
                NSMutableDictionary *deldict = [root objectAtIndex:i];
                [dbObject deleteDB:TABLE1 :[NSString stringWithFormat:@" id=%@", [deldict objectForKey:@"id"]]];
            }
            [arrTmp release];
            //插入新資料
            [dbObject insertDBWithDictionary:TABLE1 :dict];
        }

        NSArray *arrTmp = [dbObject selectDB:TABLE1 :SELECTALLFIELDS :nil];
        [arrData addObjectsFromArray:arrTmp];
        [arrTmp release];
        [m_table reloadData];
    } else {
        NSLog(@"Error: %@", error);
    }
}
```

實作(.m)

```
#pragma mark - UITableViewDataSource Methods
- (NSInteger)tableView:(UITableView *)tableView numberOfRowsInSection:(NSInteger)section {
    return arrData.count;
}

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

    NSString *CellIdentifier = @"UITableViewCell";
    UITableViewCell *cell =[tableView dequeueReusableCellWithIdentifier:CellIdentifier];
    if (cell == nil) {
        cell = [[UITableViewCell alloc] initWithStyle:UITableViewCellStyleDefault reuseIdentifier:CellIdentifier];
    }

    NSMutableDictionary *dict = [arrData objectAtIndex:indexPath.row];
    cell.textLabel.text = [NSString stringWithFormat:@"%@", [dict objectForKey:@"m_title"]];
    return cell;
}

#pragma mark - tableViewDelegate Methods

- (void)tableView:(UITableView *)tableView didSelectRowAtIndexPath:(NSIndexPath *)indexPath {
    [tableView deselectRowAtIndexPath:indexPath animated:YES];

}
```

實作(.m)

```
- (void)viewDidLoad
{
    [super viewDidLoad];
    // Do any additional setup after loading the view from its nib.
    dbObject = [[DBObject alloc] initWithTables:TABLES andFields:FIELDS isNewDB:PHNEWDNDATA];
    NSArray *arrTmp = [dbObject selectDB:TABLE1 :SELECTALLFIELDS :nil];

    arrData = [[NSMutableArray alloc] initWithCapacity:0];
    [arrData addObjectsFromArray:arrTmp];
    [arrTmp release];
    [m_table reloadData];
}

- (void)viewDidUnload
{
    [super viewDidUnload];
    // Release any retained subviews of the main view.
    // e.g. self.myOutlet = nil;
    [dbObject release];
    [arrData release];
}
```

NSUserDefaults操作練習

- 學習目的
  - 透過NSUserDefaults存入App專屬資料
  - 取得NSUserDefaults資料
- 重點整理
  - 可以儲存各種資料類型
  - 儲存
    - [[NSUserDefaults standardUserDefaults] setXXX:資料 forKey:鍵值];
  - 讀取
    - [[NSUserDefaults standardUserDefaults] XXXForKey: 鍵值];

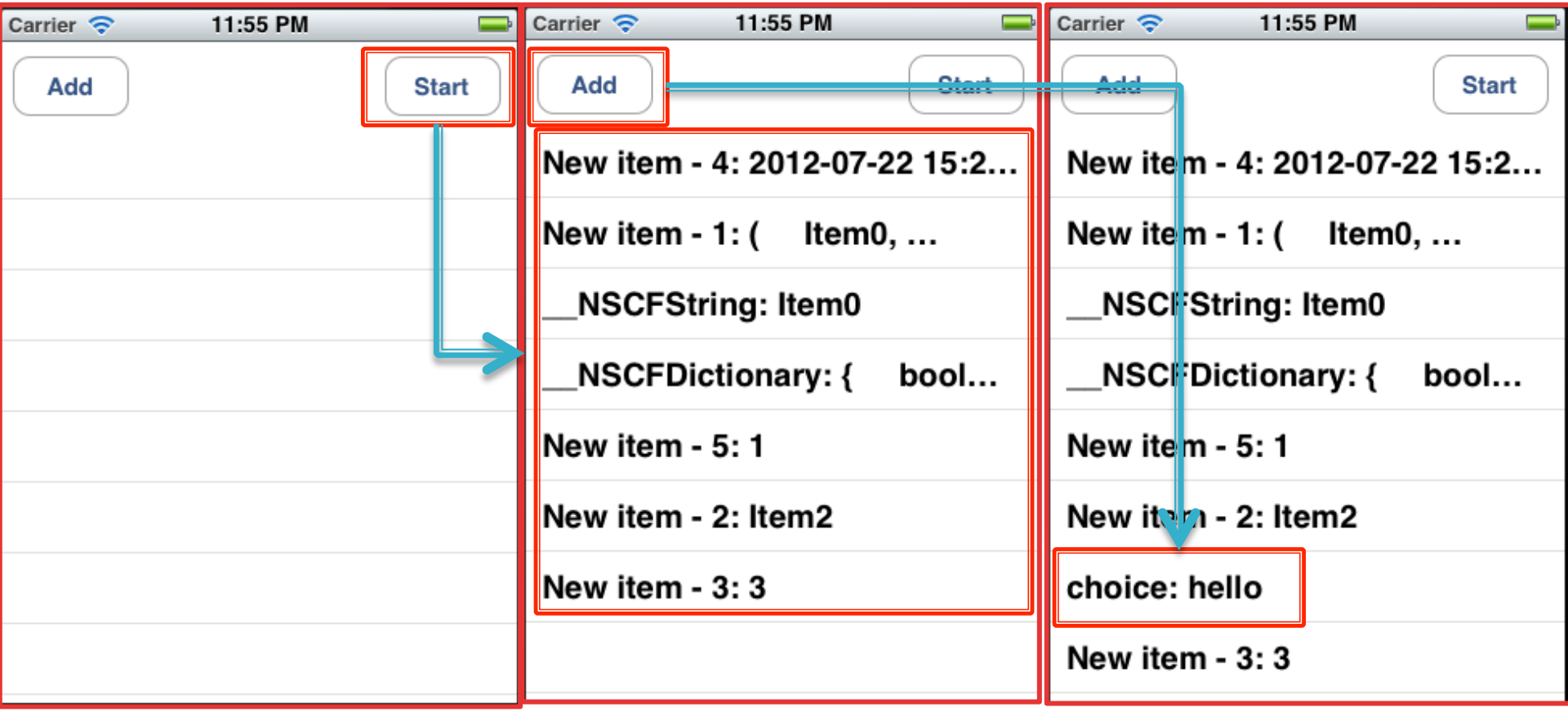
實作(.m)

```
[[NSUserDefaults standardUserDefaults] setObject:@"My NSUserDefaults data" forKey:@"TEST"];
NSString *str = [[NSUserDefaults standardUserDefaults] stringForKey:@"TEST"];
NSLog(@"GET: %@", str);
```

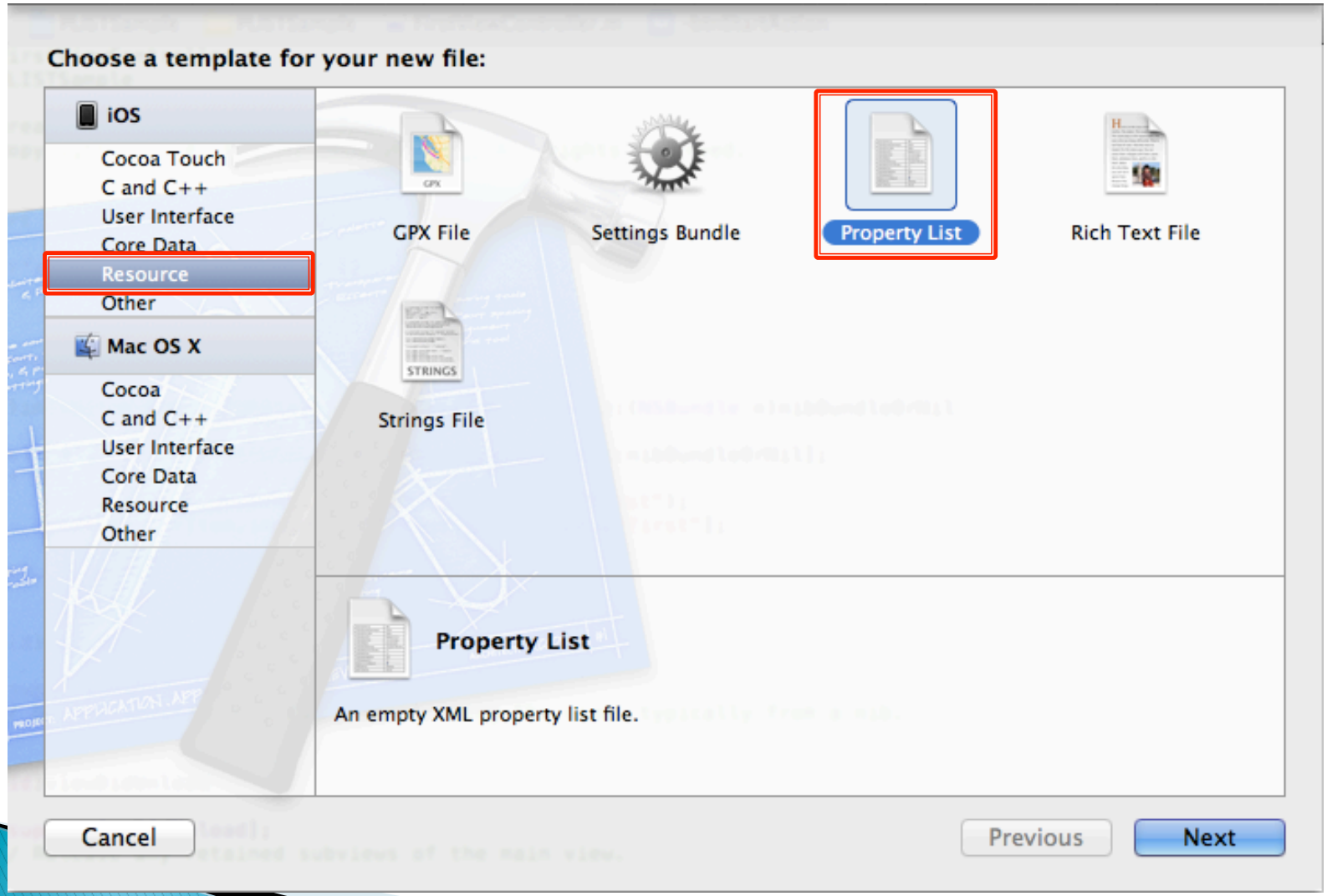
PLIST操作練習

- 學習目的
  - 讀取.plist資料
  - 儲存資料至.plist
- 重點整理
  - 儲存資料類型:
  - 讀取後資料由NSDictionary及NSArray組成
  - 重新安裝後，會覆寫修改後的PList檔案

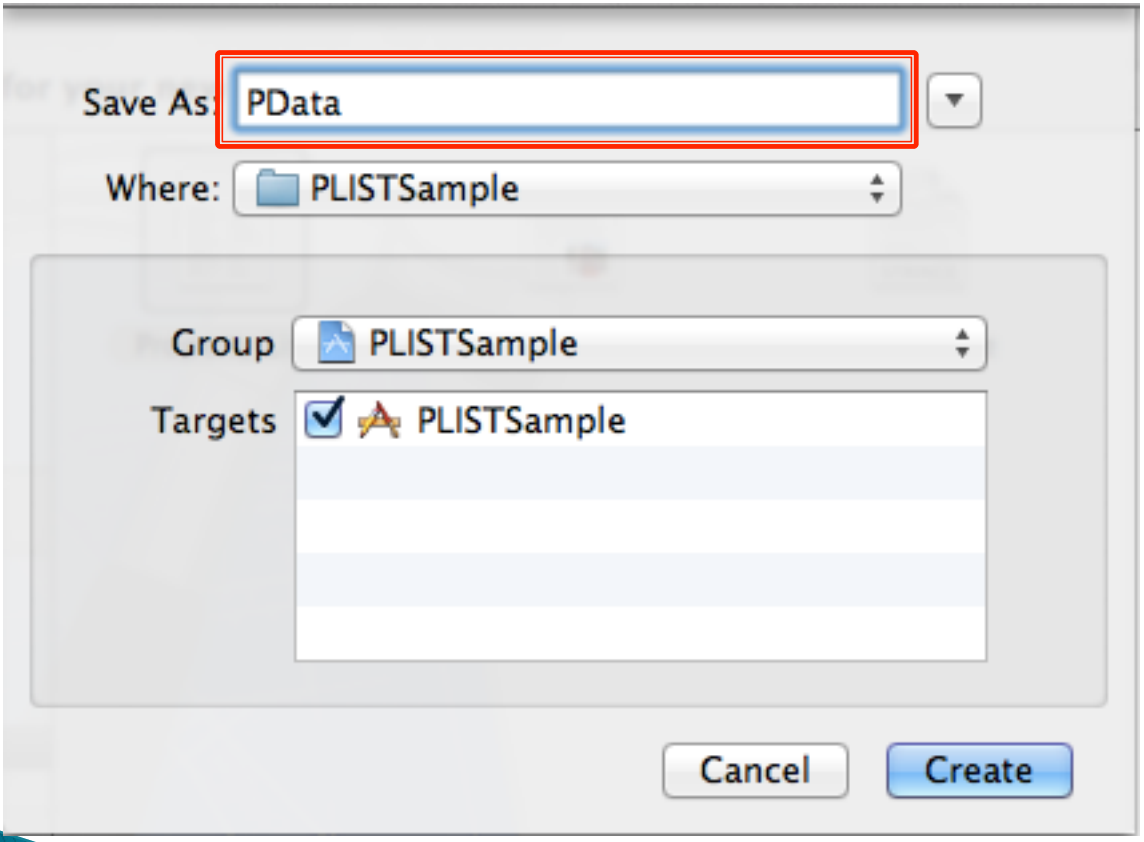
執行結果

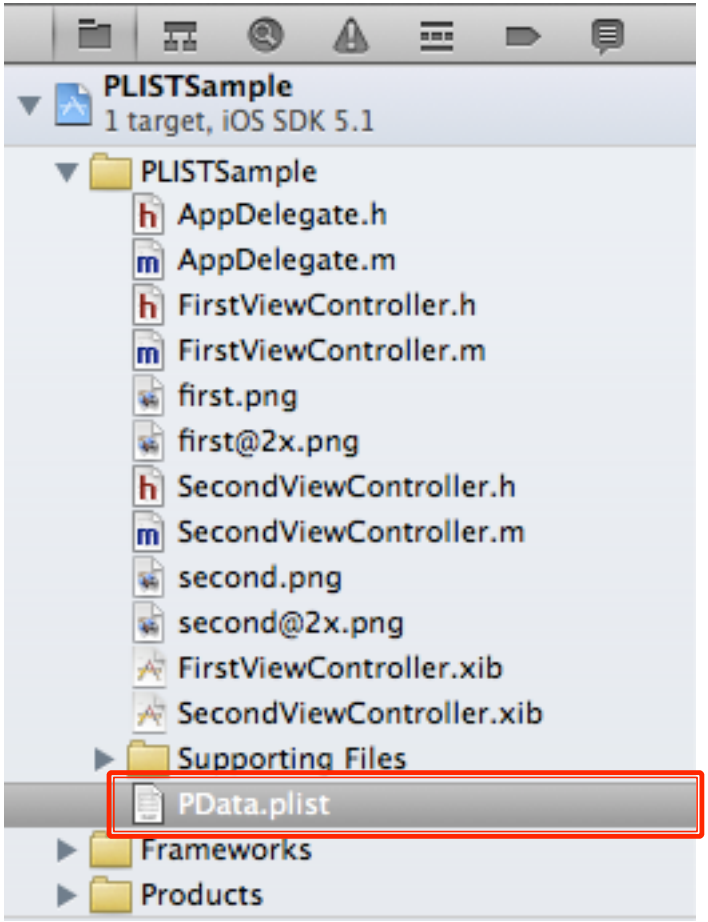

Carrier
11:55 PM
Add
Start
New item - 4: 2012-07-22 15:2...
New item - 1: (Item0, ...
__NSCFString: Item0
__NSCFDictionary: { bool...
New item - 5: 1
New item - 2: Item2
New item - 3: 3
choice: hello

加入.plist檔案

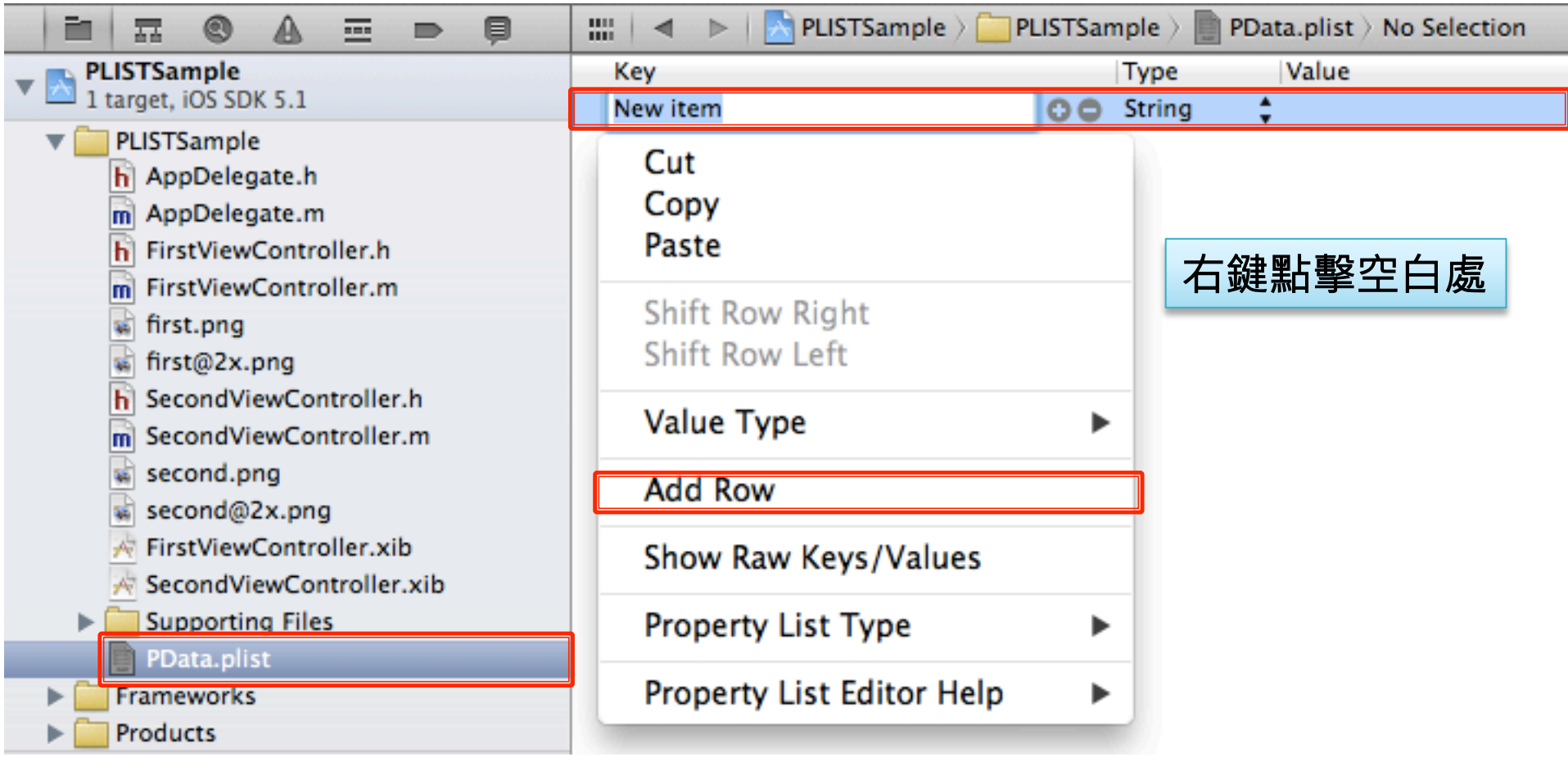

Choose a template for your new file:
iOS
Cocoa Touch
C and C++
User Interface
Core Data
Resource
Other
Mac OS X
Cocoa
C and C++
User Interface
Core Data
Resource
Other
GPX File
Settings Bundle
Property List
Rich Text File
Strings File
Property List
An empty XML property list file.
Cancel
Previous
Next

加入.plist檔案


Save As: PData
Where: PLISTSample
Group PLISTSample
Targets PLISTSample
Cancel
Create

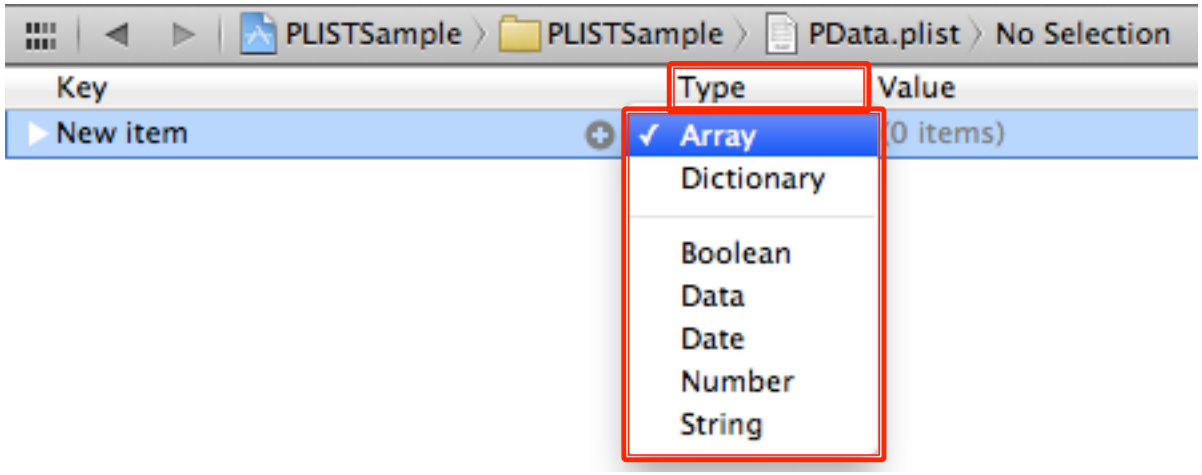

PLISTSample
1 target, iOS SDK 5.1
PLISTSample
AppDelegate.h
AppDelegate.m
FirstViewController.h
FirstViewController.m
first.png
first@2x.png
SecondViewController.h
SecondViewController.m
second.png
second@2x.png
FirstViewController.xib
SecondViewController.xib
Supporting Files
PData.plist
Frameworks
Products

加入資料


PLISTSample
PLISTSample
PData.plist
No Selection
PLISTSample
1 target, iOS SDK 5.1
PLISTSample
AppDelegate.h
AppDelegate.m
FirstViewController.h
FirstViewController.m
first.png
first@2x.png
SecondViewController.h
SecondViewController.m
second.png
second@2x.png
FirstViewController.xib
SecondViewController.xib
Supporting Files
PData.plist
Frameworks
Products
Key
Type
Value
New item
String
Cut
Copy
Paste
Shift Row Right
Shift Row Left
Value Type
Add Row
Show Raw Keys/Values
Property List Type
Property List Editor Help
右鍵點擊空白處

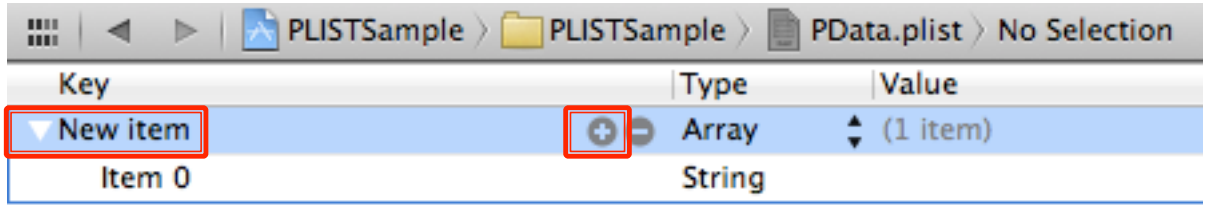
加入資料

- 設定資料類型


PLISTSample
PLISTSample
PData.plist
No Selection
Key
Type
Value
New item
(0 items)
Array
Dictionary
Boolean
Data
Date
Number
String

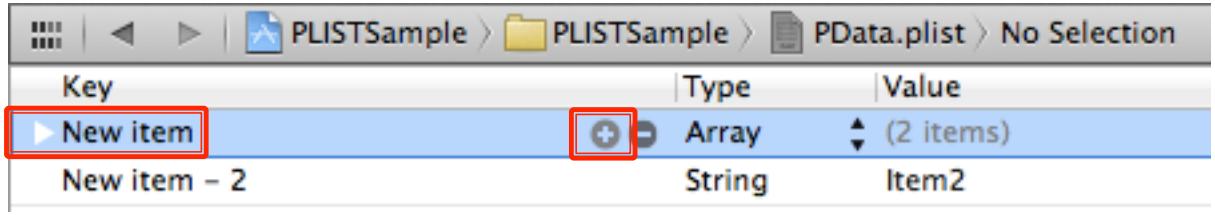
加入資料

- 新增子項
  - 點擊欲新增項目，箭頭變成向下
  - 點擊[+]



加入資料

- 新增項目
  - 點擊欲插入項目，縮回子項，箭頭變成向右
  - 點擊[+]



定義介面參數(.h)

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

@interface FirstViewController : UIViewController <UITableViewDelegate, UITableViewDataSource>
{
    IBOutlet UITableView *m_tableView;
    NSMutableDictionary *m_DictPList;
}

@end
```

實作(.m)

- btnStartAction

```
- (IBAction)btnStartAction:(id)sender {
    NSString *path = [[NSBundle mainBundle] bundlePath];
    //指定資料檔位置
    NSString *finalPath = [path stringByAppendingPathComponent:@"PData.plist"];
    NSLog(@"%@", finalPath);

    //將資料檔資料讀入Dictionary
    NSMutableDictionary *plistData = [[NSMutableDictionary dictionaryWithContentsOfFile:finalPath] mutableCopy];

    if(m_DictPList) [m_DictPList release];
    m_DictPList = [[NSMutableDictionary alloc] initWithDictionary:plistData];
    NSLog(@"%@", m_DictPList);

    [m_tableView reloadData];
}
```

實作(.m)

- btnAddAction

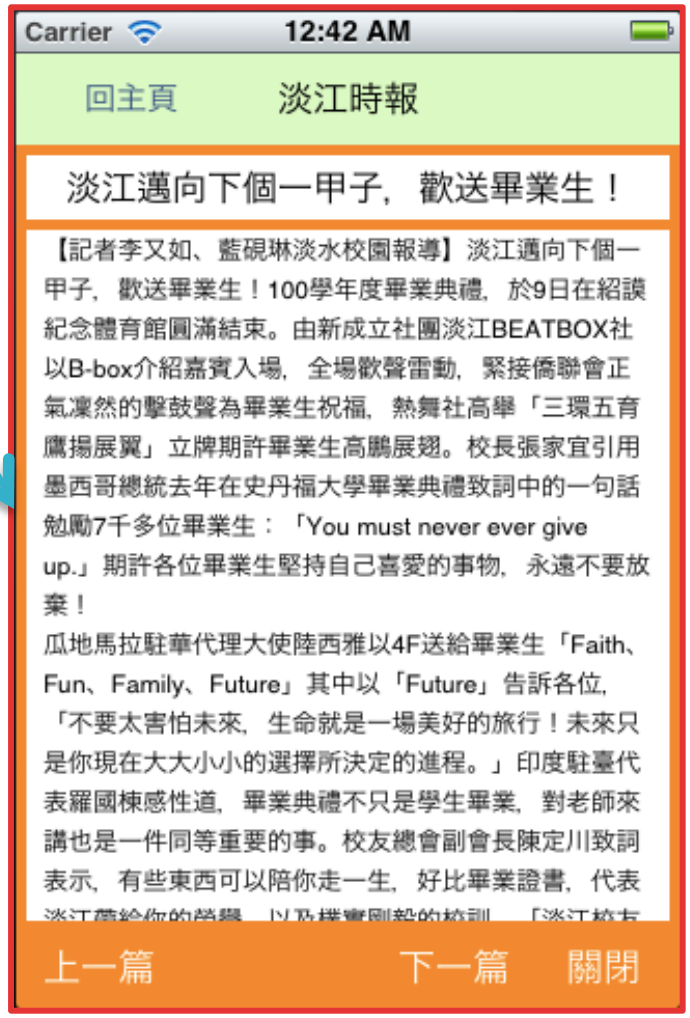
```
- (IBAction)btnAddAction:(id)sender {
    if(m_DictPList == nil) return;
    NSString *path = [[NSBundle mainBundle] bundlePath];
    //指定資料檔位置
    NSString *finalPath = [path stringByAppendingPathComponent:@"PData.plist"];

    //寫入一筆資料
    [m_DictPList setValue:@"hello" forKey:@"choice"];
    [m_DictPList writeToFile:finalPath atomically:YES];

    [m_tableView reloadData];
}
```

實作練習

- 讀取TKU Times的RSS
  - http://tkutimes.tku.edu.tw/ashx/ChRss.ashx
  - 點選其中一個欄位，顯示其文字內容

實作練習


Carrier
6:06 PM
TKU Times
淡江邁向下個一甲子，歡送畢...
奮鬥之路不孤獨 137校友會歡迎你
蘭陽畢典 歡送170位畢業生
境外生Tamscar嘉年華 2百生齊聚
張校長訪中美洲 與姊妹校明春...
外語戰略日文３研討會登場
社團評鑑１９９社全員出動...
55陸生在臺故事成書 紀錄兩岸...
7千餘位畢業生鷹揚展翼(瓜地馬...


Carrier
12:42 AM
回主頁
淡江時報
淡江邁向下個一甲子，歡送畢業生！
【記者李又如、藍硯琳淡水校園報導】淡江邁向下個一甲子，歡送畢業生！100學年度畢業典禮，於9日在紹謨紀念體育館圓滿結束。由新成立社團淡江BEATBOX社以B-box介紹嘉賓入場，全場歡聲雷動，緊接僑聯會正氣凜然的擊鼓聲為畢業生祝福，熱舞社高舉「三環五育鷹揚展翼」立牌期許畢業生高鵬展翅。校長張家宜引用墨西哥總統去年在史丹福大學畢業典禮致詞中的一句話勉勵7千多位畢業生：「You must never ever give up.」期許各位畢業生堅持自己喜愛的事物，永遠不要放棄！
瓜地馬拉駐華代理大使陸西雅以4F送給畢業生「Faith、Fun、Family、Future」其中以「Future」告訴各位，「不要太害怕未來，生命就是一場美好的旅行！未來只是你現在大大小小的選擇所決定的進程。」印度駐臺代表羅國棟感性道，畢業典禮不只是學生畢業，對老師來講也是一件同等重要的事。校友總會副會長陳定川致詞表示，有些東西可以陪你走一生，好比畢業證書，代表
上一篇
下一篇
關閉