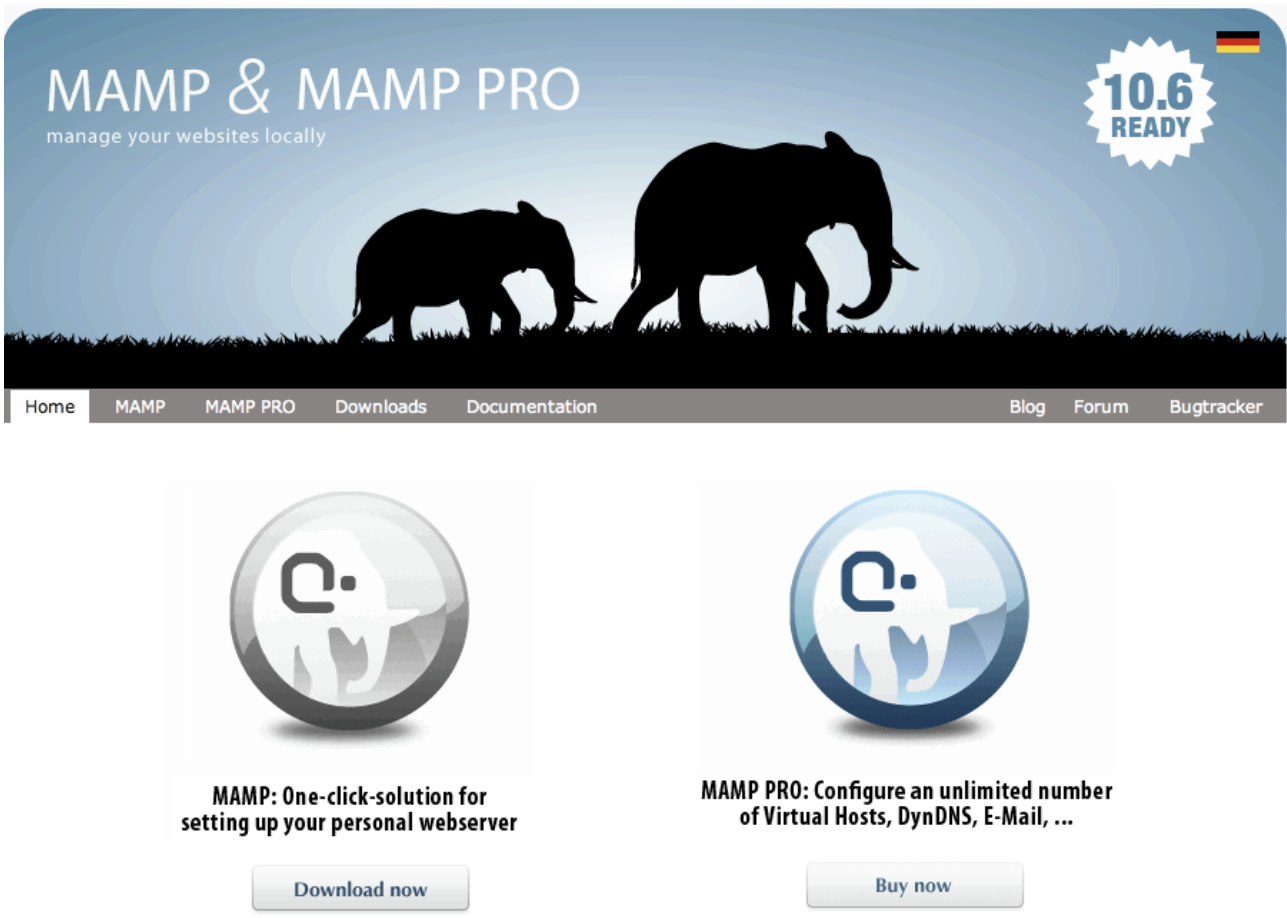
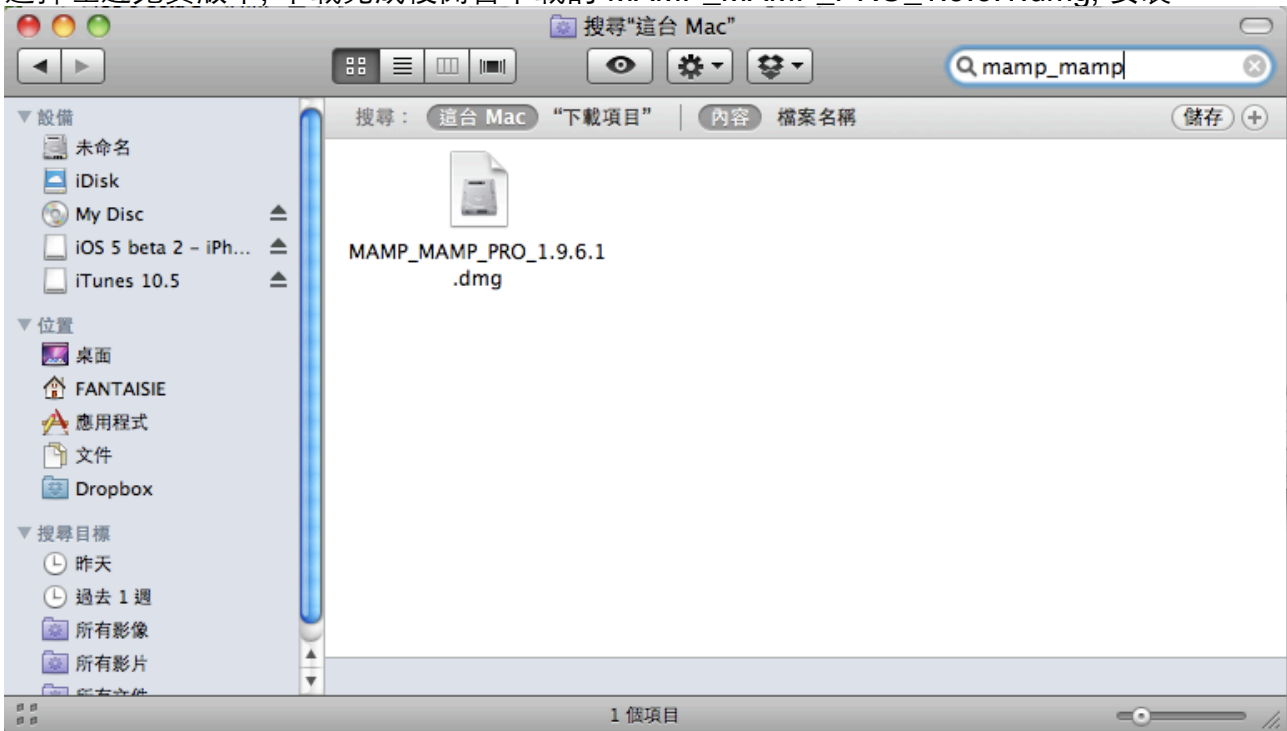


# Lab WebASIUpload

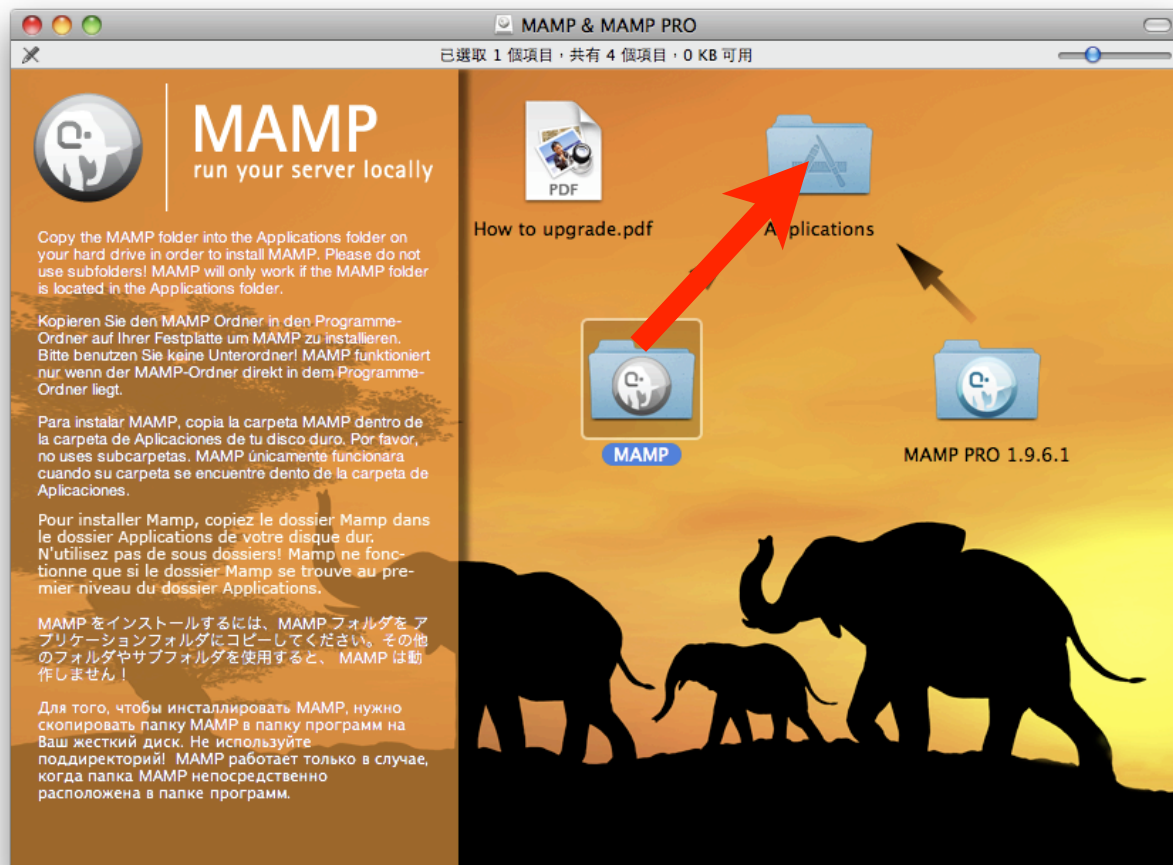
Step 1. Server端設定: 首先我們先下載跑在Mac OS上包括Apache server等的軟體MAMP  
<http://www.mamp.info/en/index.html>



選擇左邊免費版本, 下載完成後開啓下載的 MAMP\_MAMP\_PRO\_1.9.6.1.dmg, 安裝



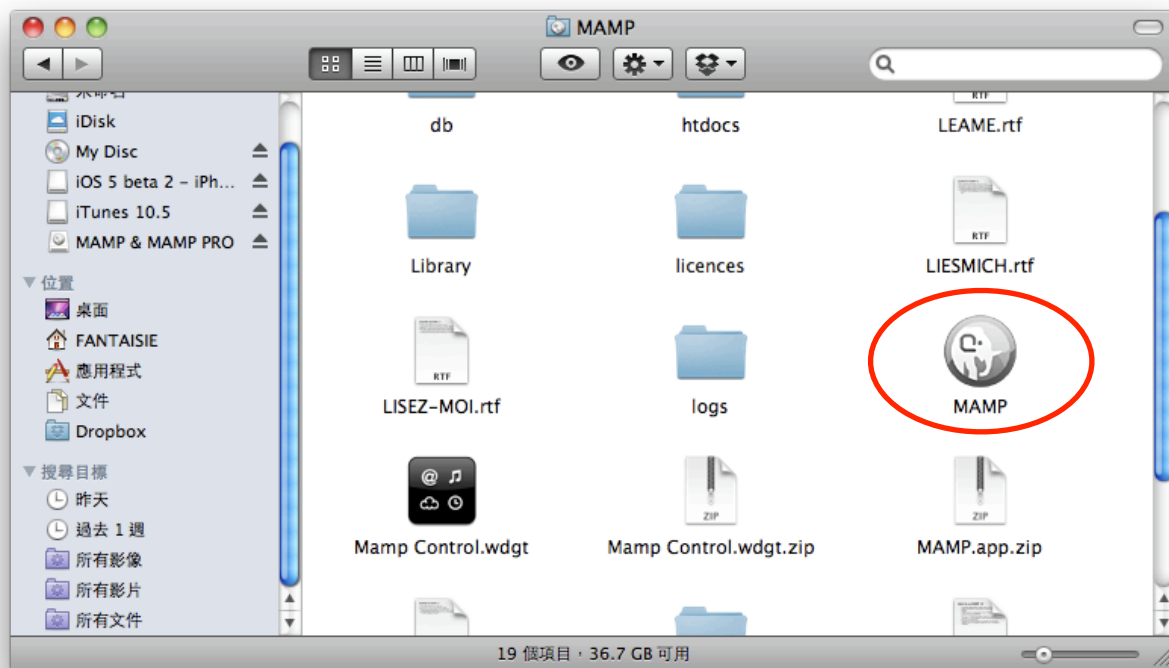
Step 2. 安裝完成後，會顯示下面視窗，將MAMP拖拉至Applications裡



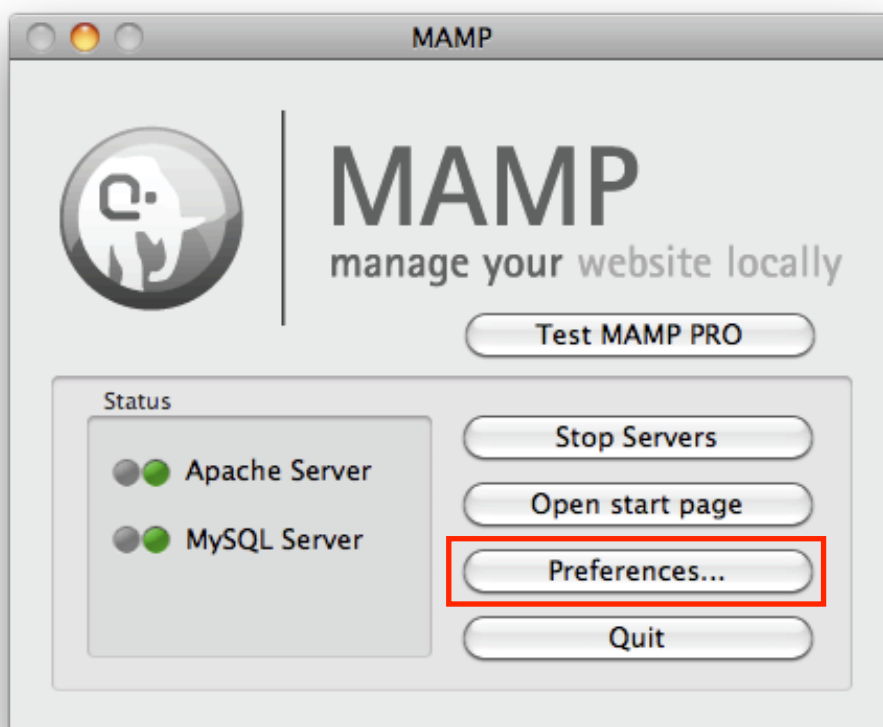
就會在Applications看到MAMP這隻程式，點選開啓



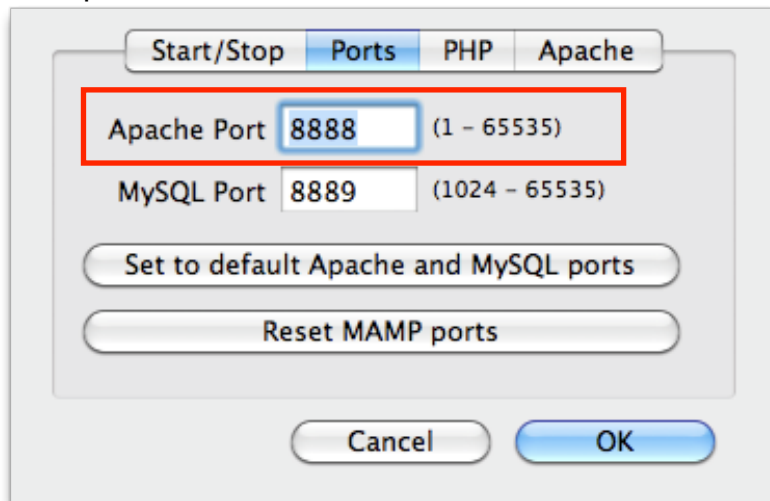
Step 3. 開啓後會看到MAMP的執行檔, 點選開啓



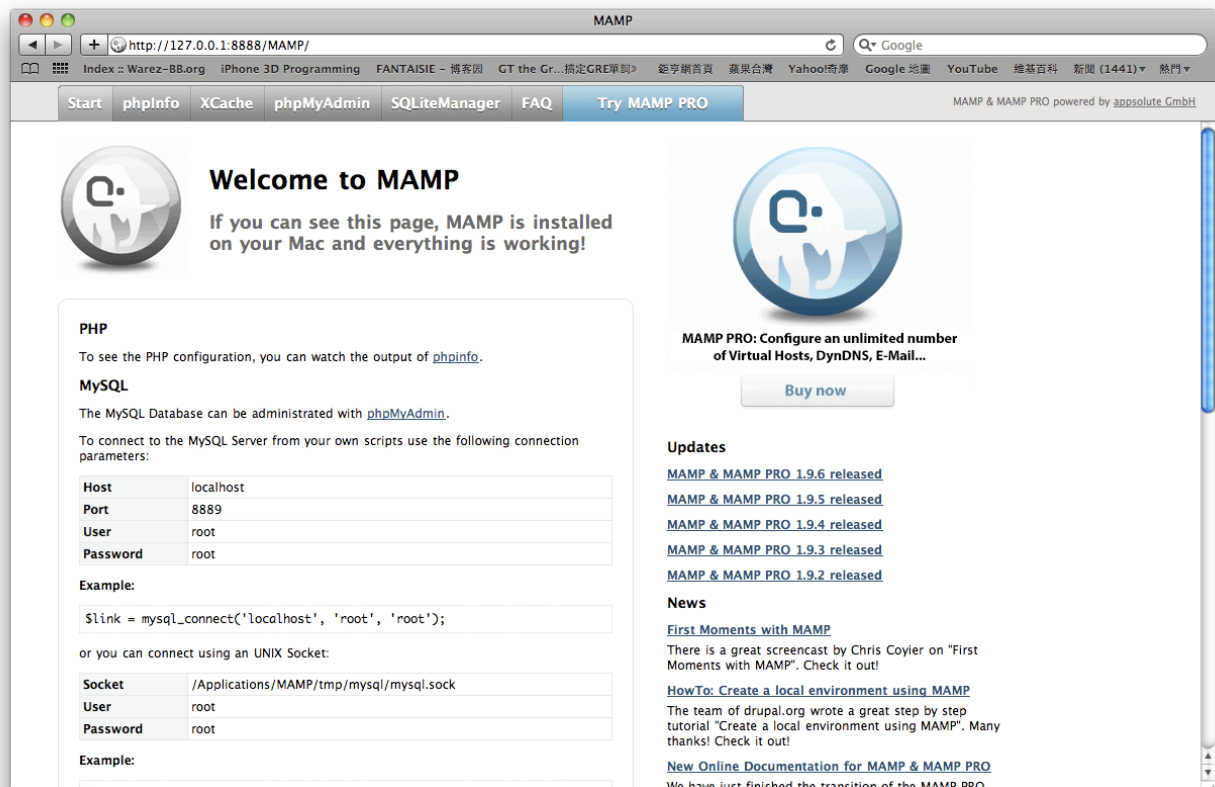
開啓後點選Preferences



確認Apache Port為 8888

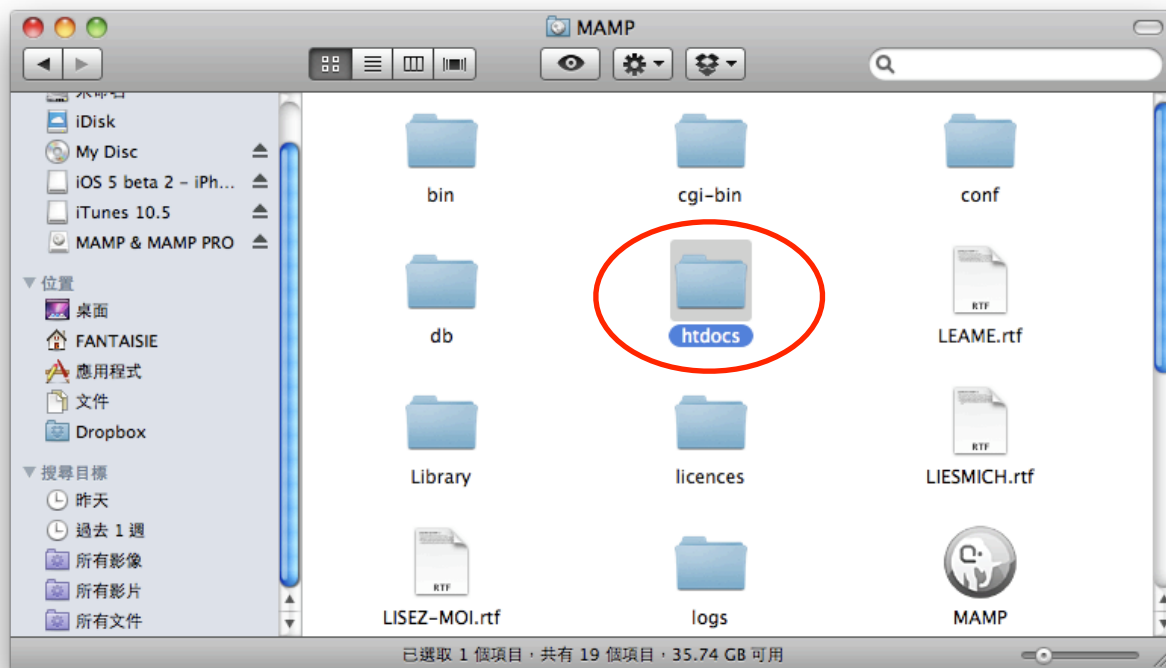


Step 4. 在瀏覽器開啓 <http://127.0.0.1:8888/MAMP/>

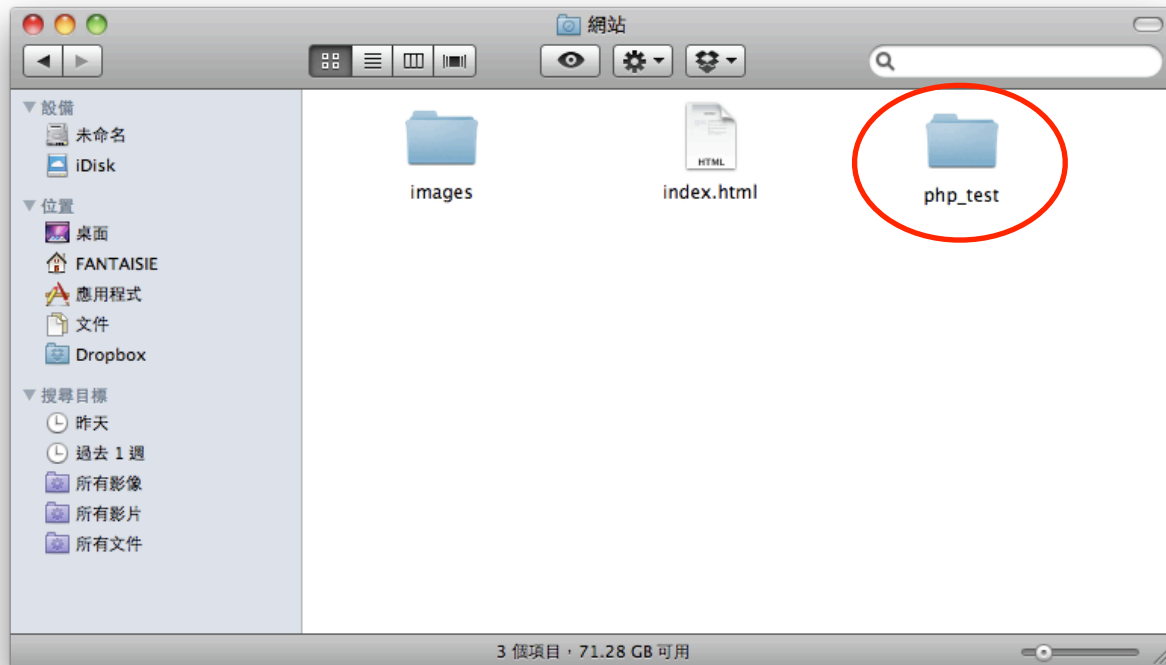


設定完成

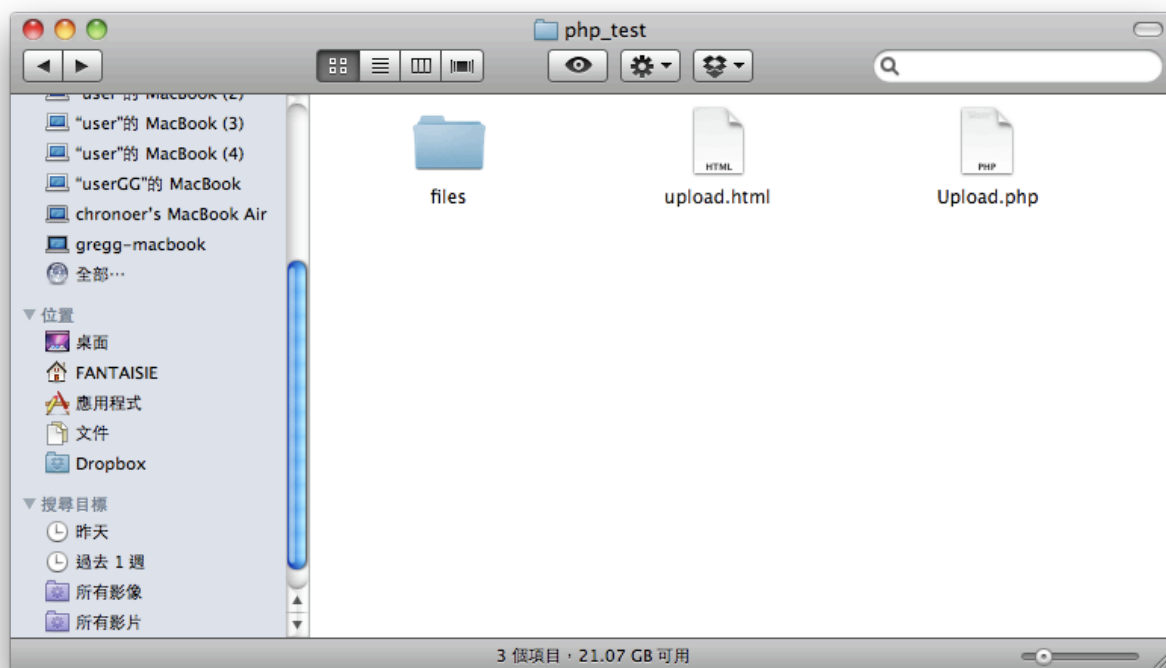
Step 5. 進入Applications裡的MAMP裡的 `htdocs` 資料夾



新增一個叫做 `php_test` 的資料夾



Step 6. 在php\_test資料夾裡新增一個命名為files的資料夾,並新增兩個檔案:  
**Upload.php** 和 **upload.html**




注意可使用 **Smultron**, **TextWrangler** 等純文字編輯器編輯,  
或是在Spotlight搜尋終端機,在終端機中使用 **cd** (change directory) 切換到 **php\_test** 資料夾  
下 (ls是顯示目錄中 的所有檔案), 使用 **vi Upload.php** 編輯一個新的php檔案

```
終端機 — bash — 79x20
fantaisiede-macbook:~ FANTASIE$ cd /
fantaisiede-macbook:/ FANTASIE$ ls
Applications      Volumes          net
Developer         bin              private
Library           cores            sbin
MAU 1.1.2 Update Log dev               tmp
Network           etc              usr
System            home             var
Users             mach_kernel

fantaisiede-macbook:/ FANTASIE$ cd Applications/MAMP/htdocs/php_test/
fantaisiede-macbook:php_test FANTASIE$ vi Upload.php
```

鍵入 **i** 進入編輯模式, 輸入下面的php程式,完成後按 **esc** 跳出編輯模式,鍵入 **:wq** 存檔跳出.



```
<?php
    $target_path = "files/";

    $target_path = $target_path . basename( $_FILES['uploadedfile']['name']
);

    if(move_uploaded_file($_FILES['uploadedfile']['tmp_name'], $target_path
)) {
        echo "The file ". basename( $_FILES['uploadedfile']['name']).
        " has been uploaded";
    } else{
        echo "There was an error uploading the file, please try again!";
    }

?>
:wq
```

程式如下, 主要是使用GET和POST兩種方式抓取輸入的值, 並echo出來

```
<?php
    $target_path = "files/";

    $target_path = $target_path . basename( $_FILES['uploadedfile']['name']);

    if(move_uploaded_file($_FILES['uploadedfile']['tmp_name'], $target_path)) {
        echo "The file ". basename( $_FILES['uploadedfile']['name']).
        " has been uploaded";
    } else{
        echo "There was an error uploading the file, please try again!";
    }

?>
```

我們還可以用同樣方法在php\_test資料夾寫一個命名為upload.html來測試這個php是否work (可不測試)

```
<form enctype="multipart/form-data" action="upload.php" method="POST">
<input type="hidden" name="MAX_FILE_SIZE" value="100000" />
Choose a file to upload: <input name="uploadedfile" type="file" /><br />
<input type="submit" value="Upload File" />

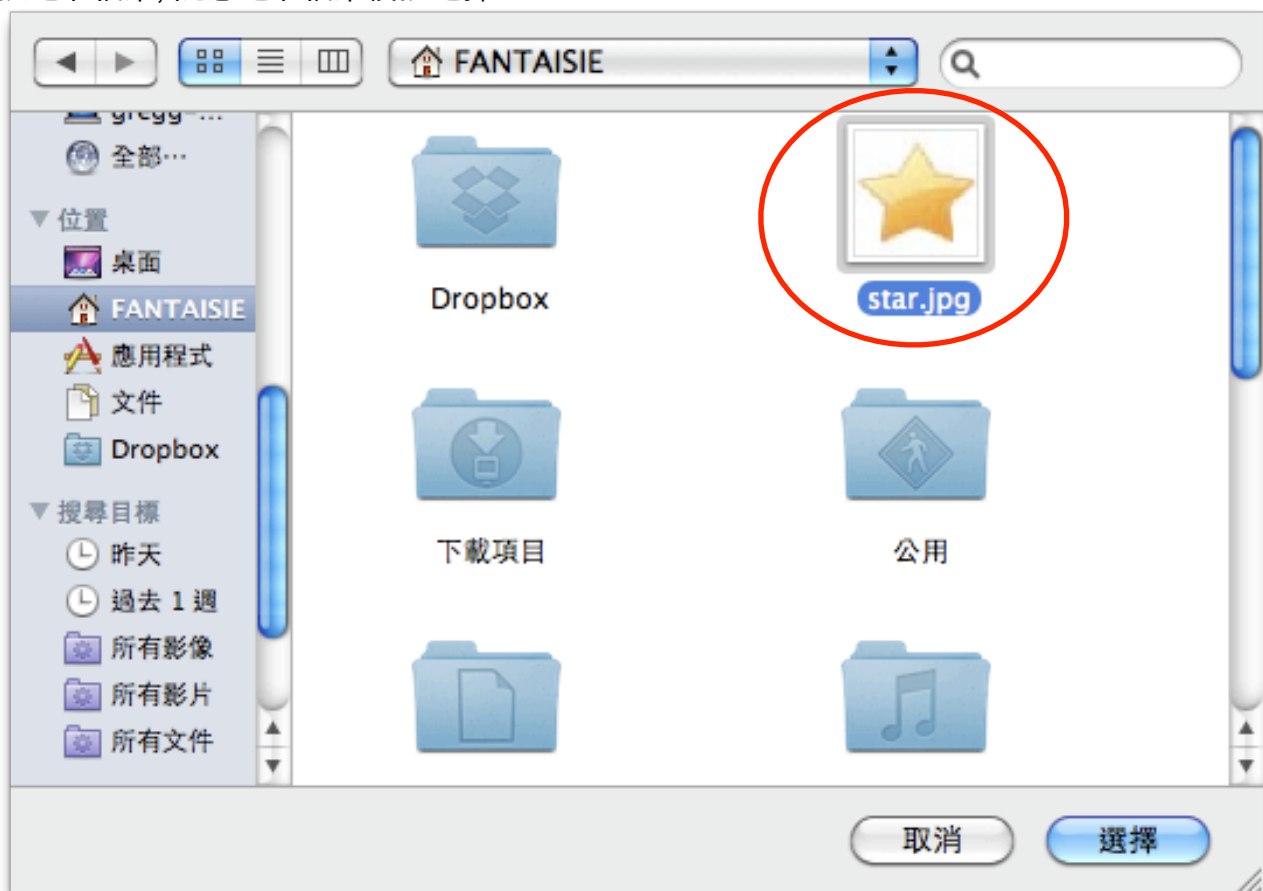
</form>
```



使用Safari瀏覽器輸入網址 [http://127.0.0.1:8888/php\\_test/upload.html](http://127.0.0.1:8888/php_test/upload.html)



按選取檔案, 隨意選取檔案後按選擇

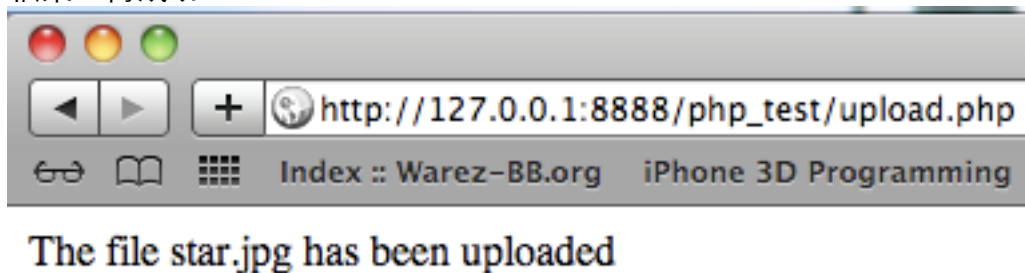




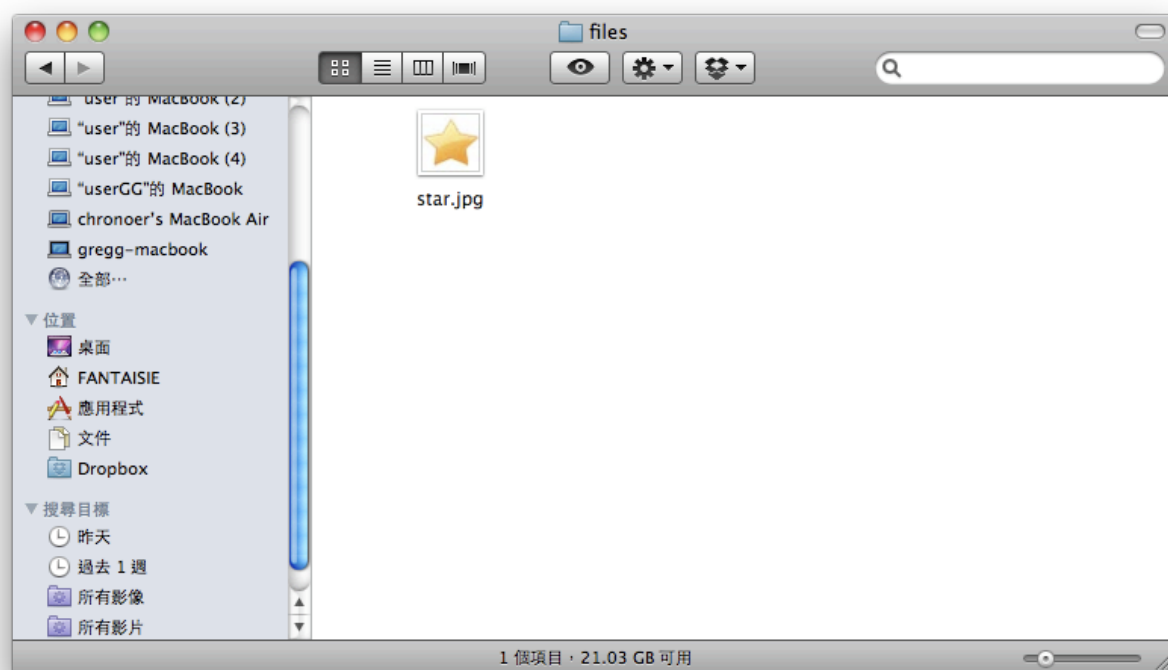
選擇好後點選Upload File



檔案上傳成功

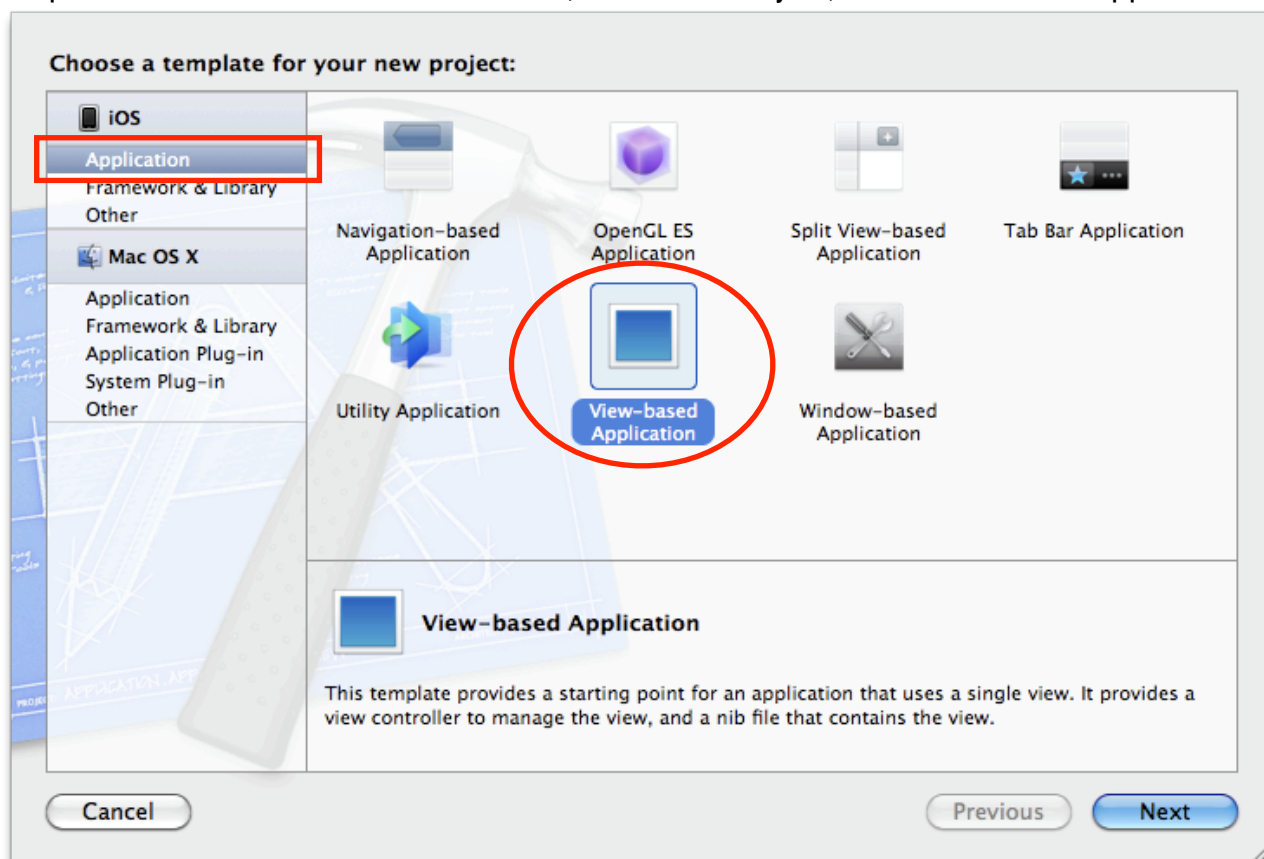


則可以看到我們php\_test資料夾裡的files資料夾裡有我們剛剛Upload的檔案

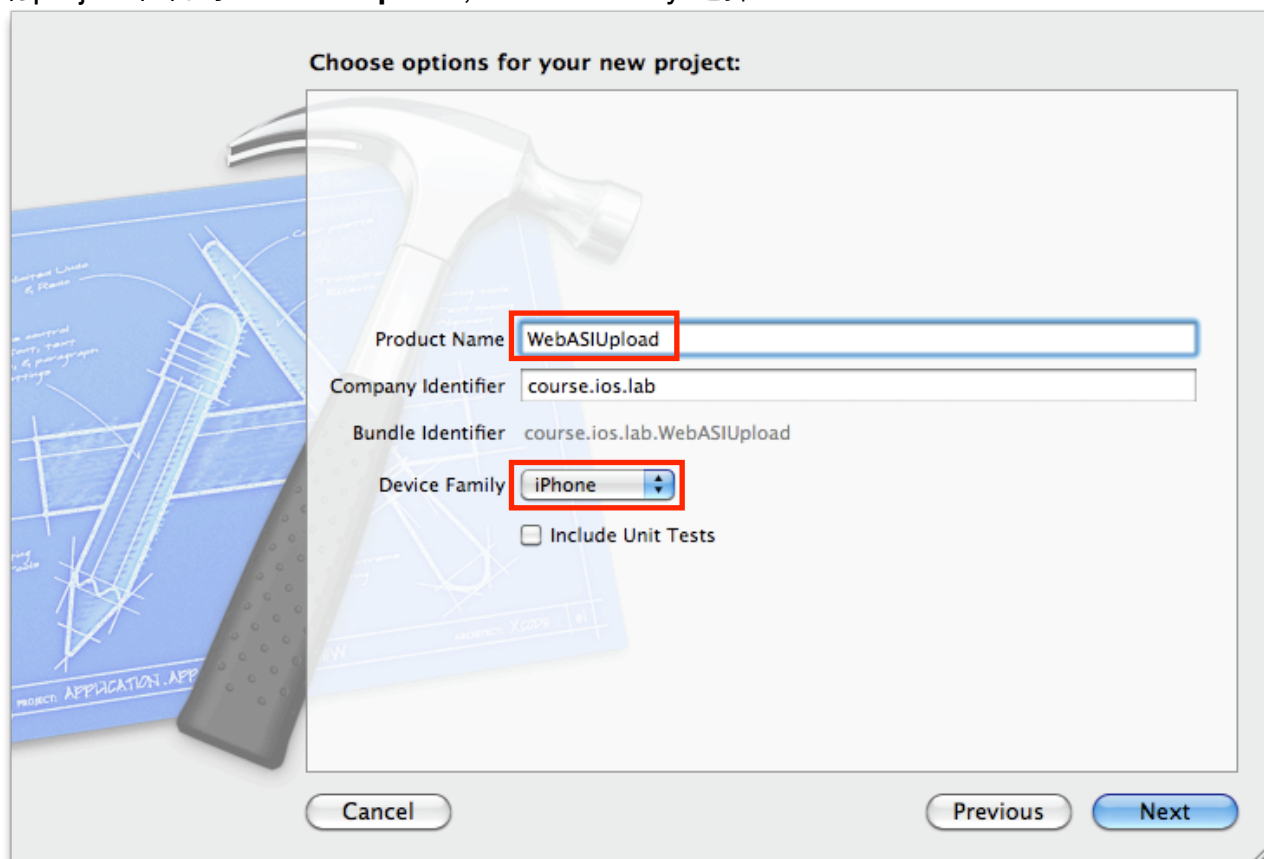


這樣Sever端的設定就完成了

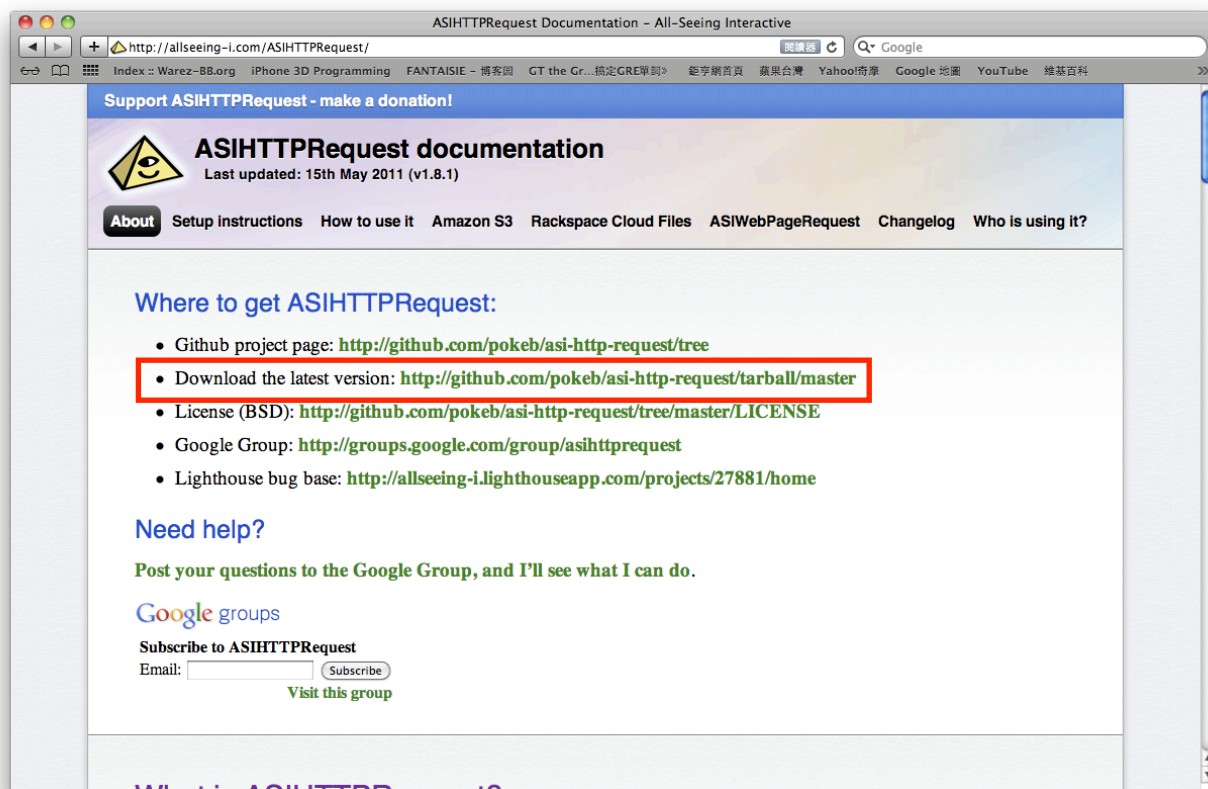
Step 7. Client端: 接下來是iPhone的程式, File>New Project, 選擇 View-based application



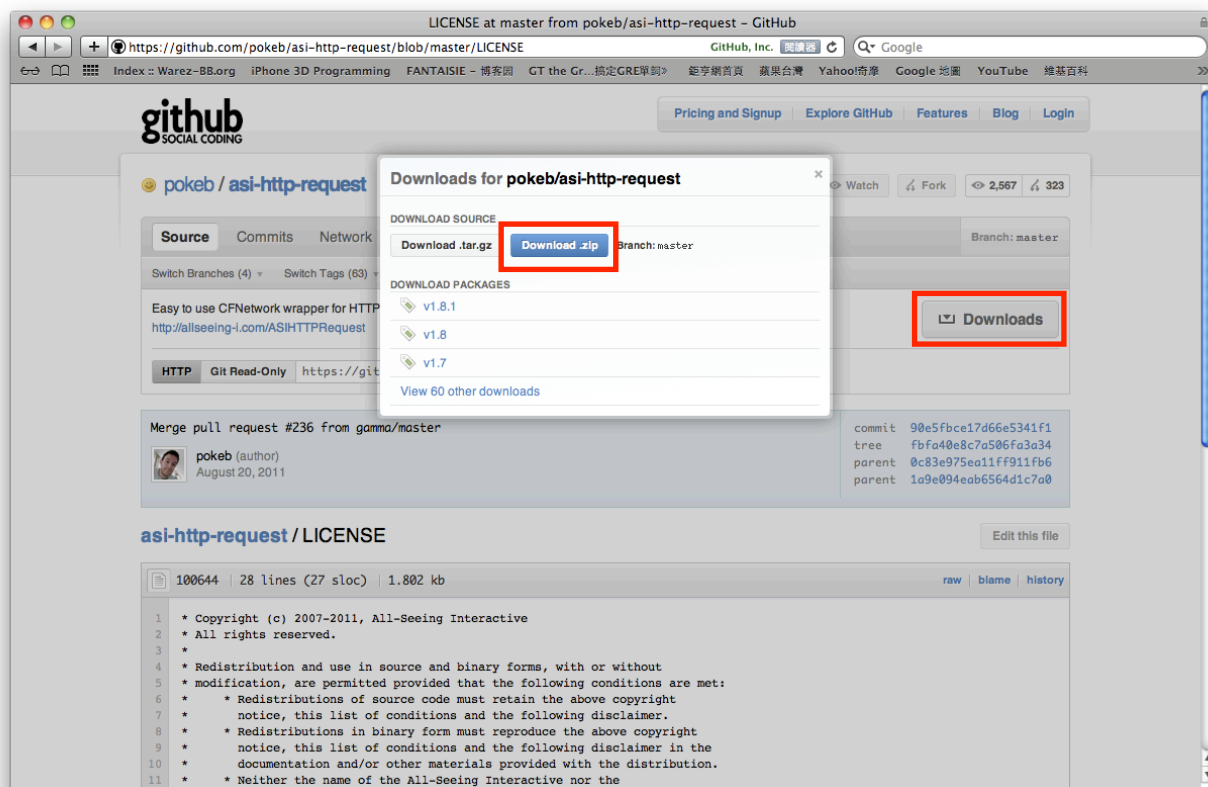
將project取名為 **WebASIUpload**, Device Family 選擇 **iPhone**



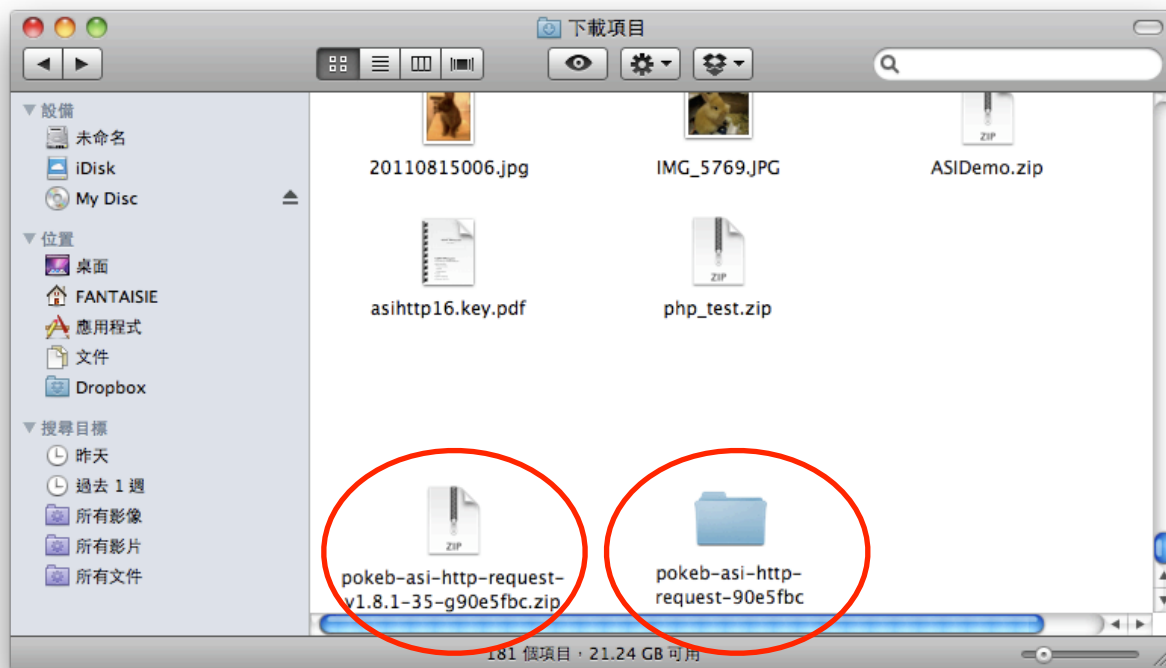
Step 8. 到ASIHTTPRequest網站下載整包的ASIHTTPRequest source files  
<http://allseeing-i.com/ASIHTTPRequest/>  
選擇任一載點下載,在此我們選擇Download the latest version來下載(建議)



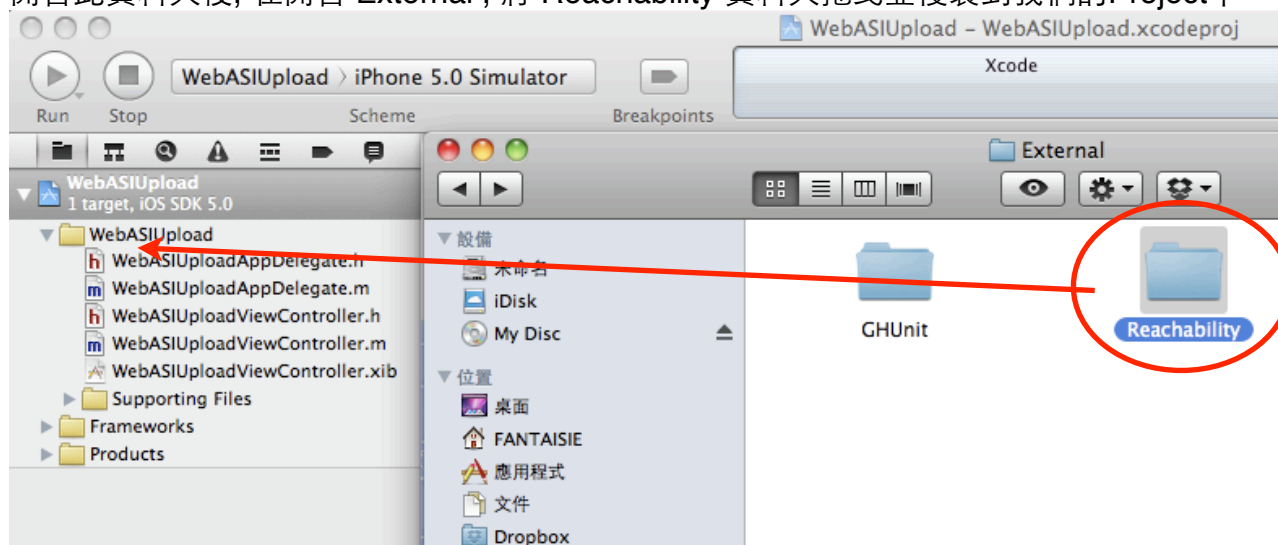
選擇Downloads後選擇Download.zip



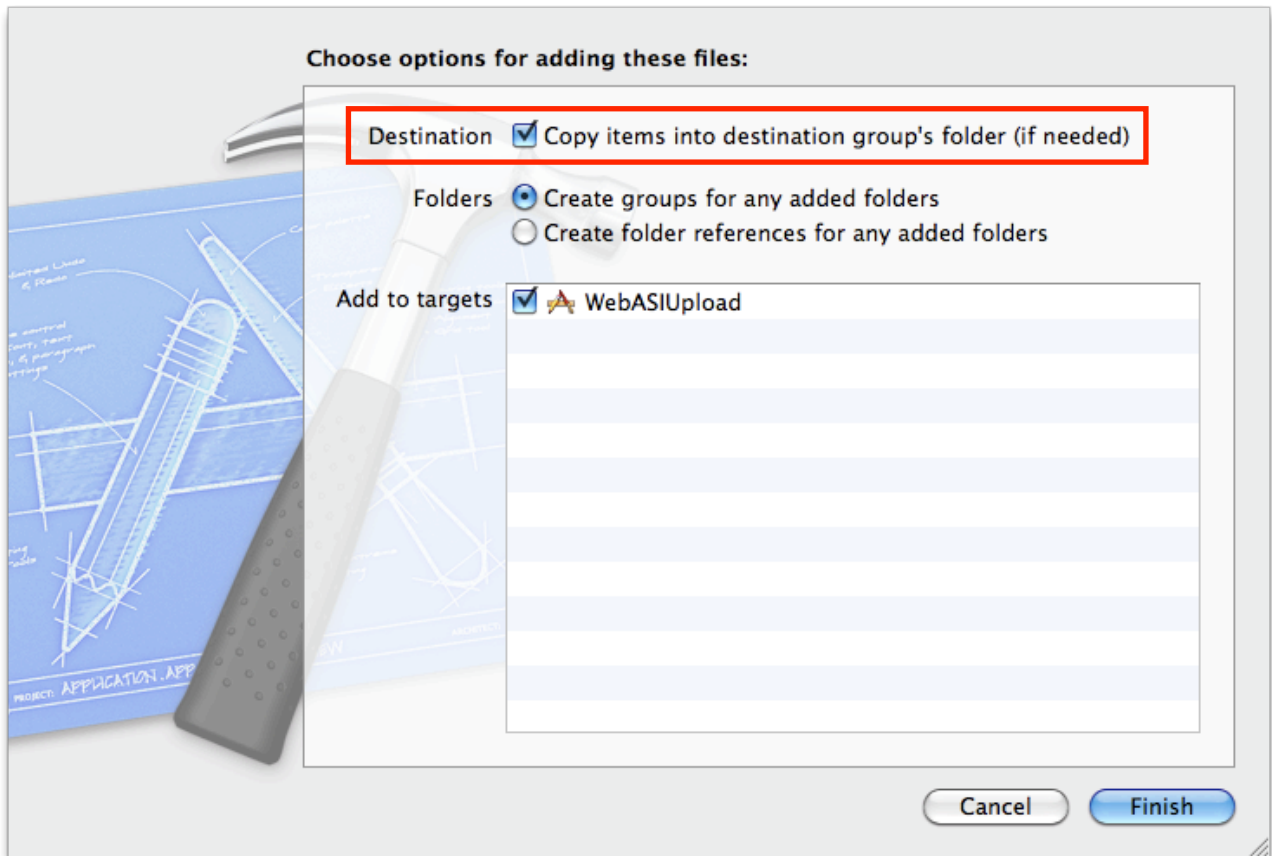
Step 9. 下載後解壓縮為一個命名為 **pokeb-asi-http-request-90e5fbc** 的資料夾



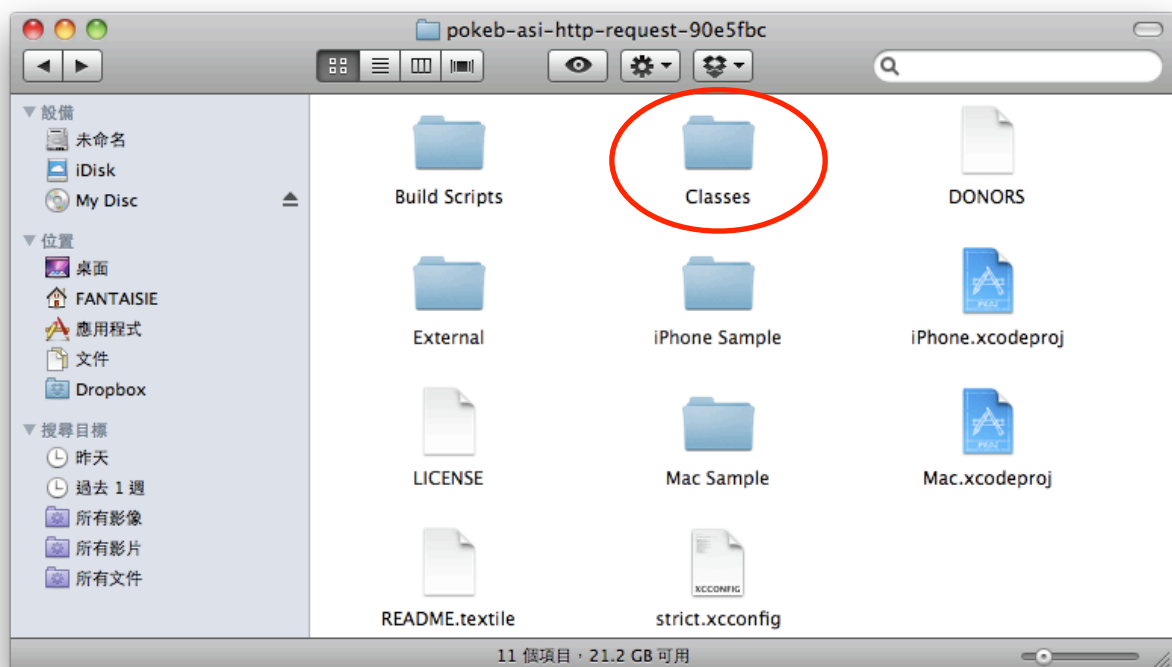
開啓此資料夾後，在開啓 External，將 Reachability 資料夾拖曳並複製到我們的Project中



記得勾選 Copy items into destination group's folder (if needed), 然後 Finish

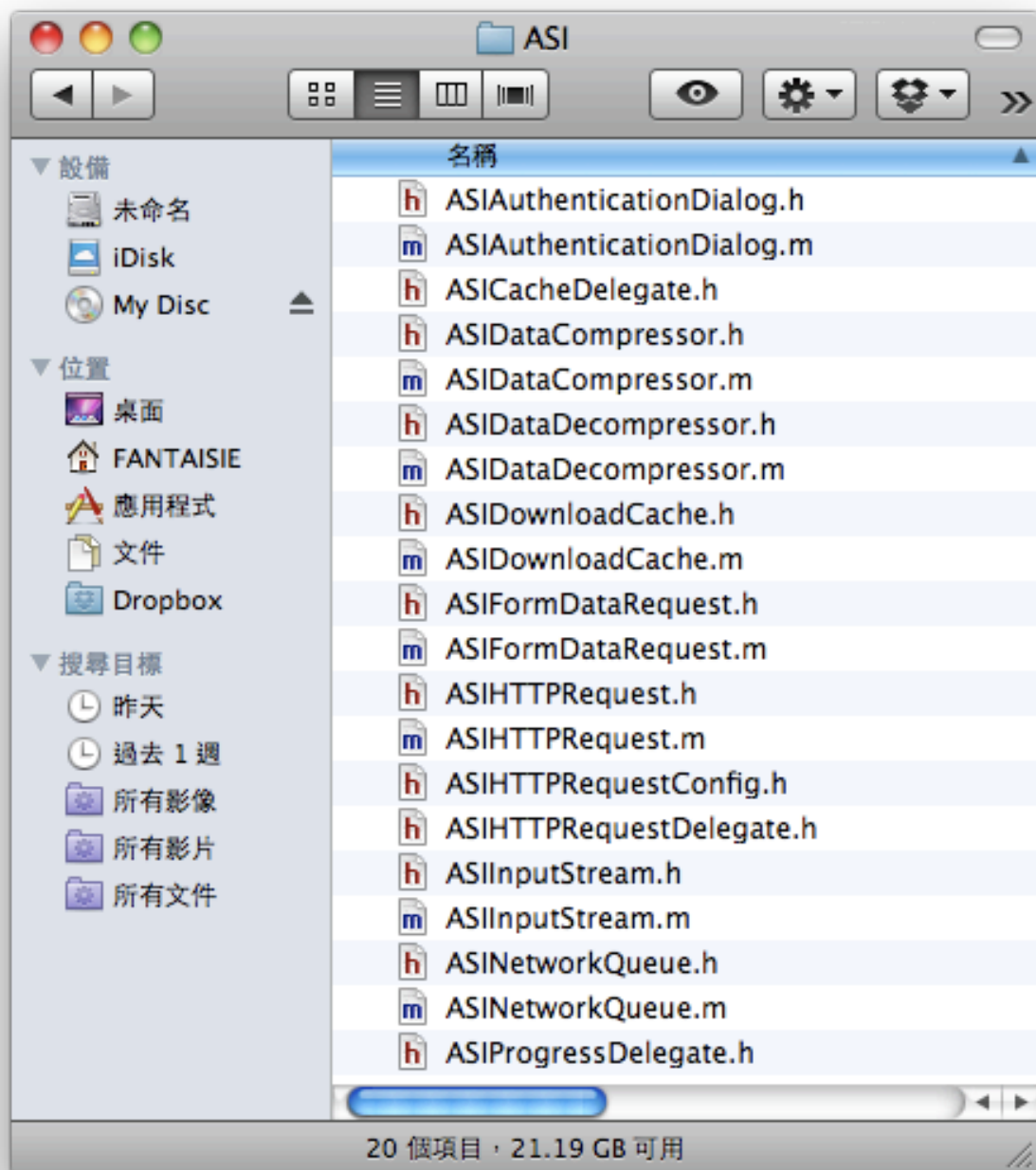


Step 10. 接著回到主目錄下, 開啓 Classes



新增一個資料夾叫做ASI, 將除了  
ASIWebPageRequest  
CloudFiles  
S3  
Tests

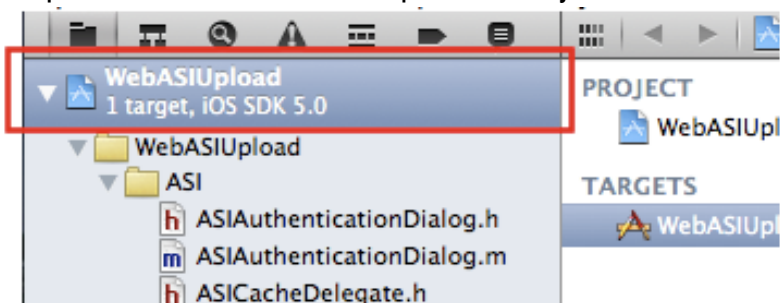
四個資料夾外的其他共**20個source files**都複製到ASI資料夾裡(如下圖所示)



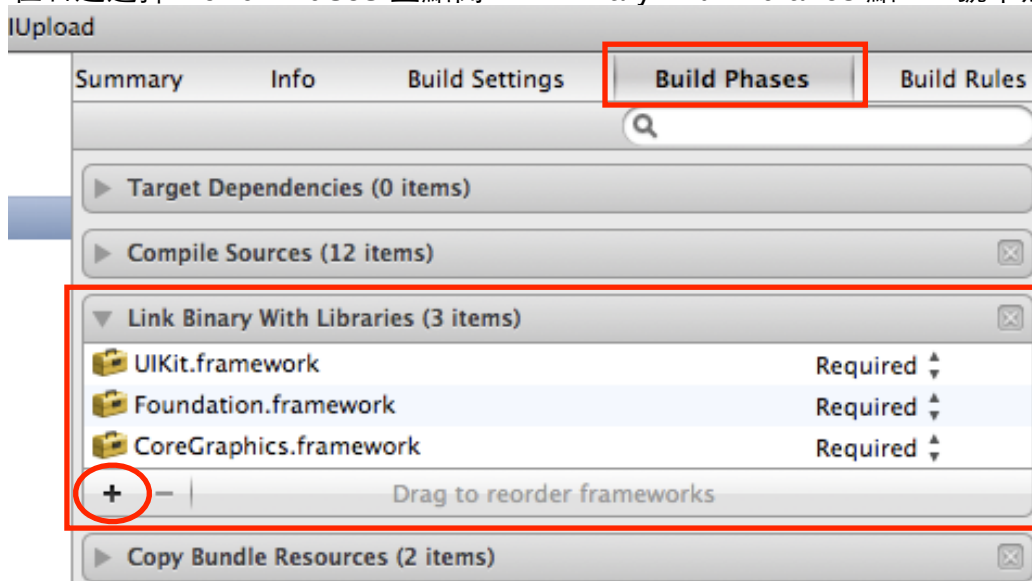
在依照剛剛拖曳並複製 Reachability 這個資料夾的方式加入我們的project中



Step 11. 點選我們 WebASIUpload的Project檔



在右邊選擇 **Build Phases** 並點開 Link Binary With Libraries 點 "+" 號來加入需要的libraries



在此我們新增4個額外需要的Libraries

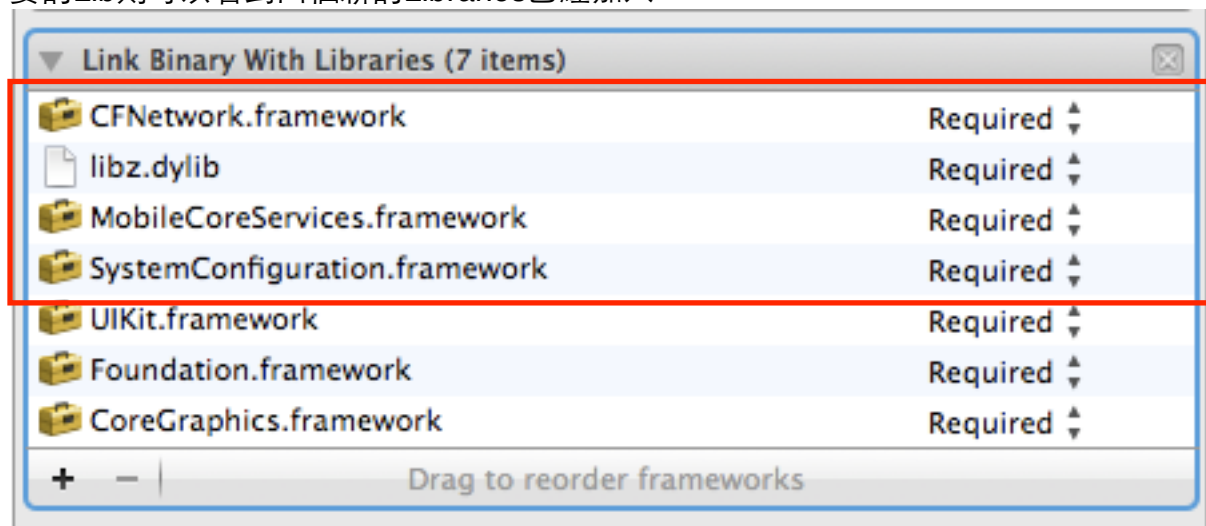
CFNetwork.framework

SystemConfiguration.framework

MobileCoreServices.framework

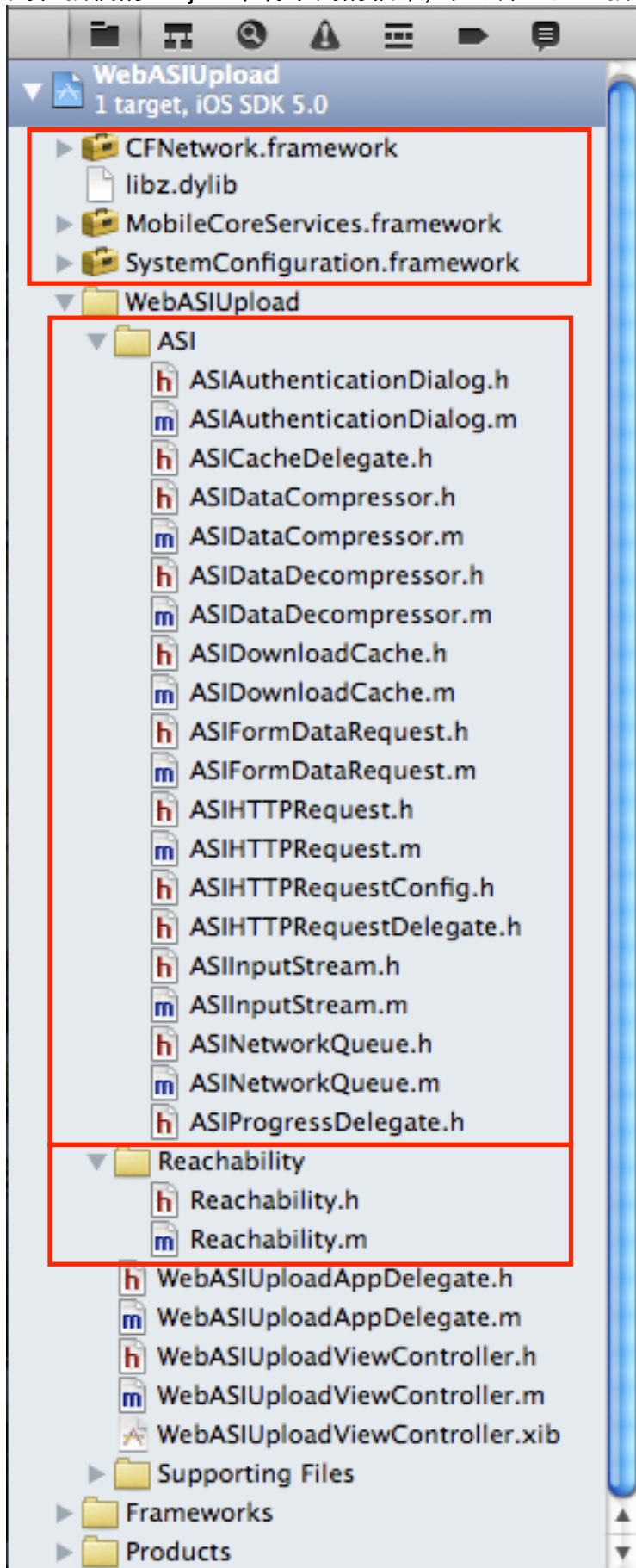
libz.dylib

要的Lib則可以看到四個新的Libraries已經加入





則在我們的Project中有下列的檔案, 確認都已加入我們的Project中



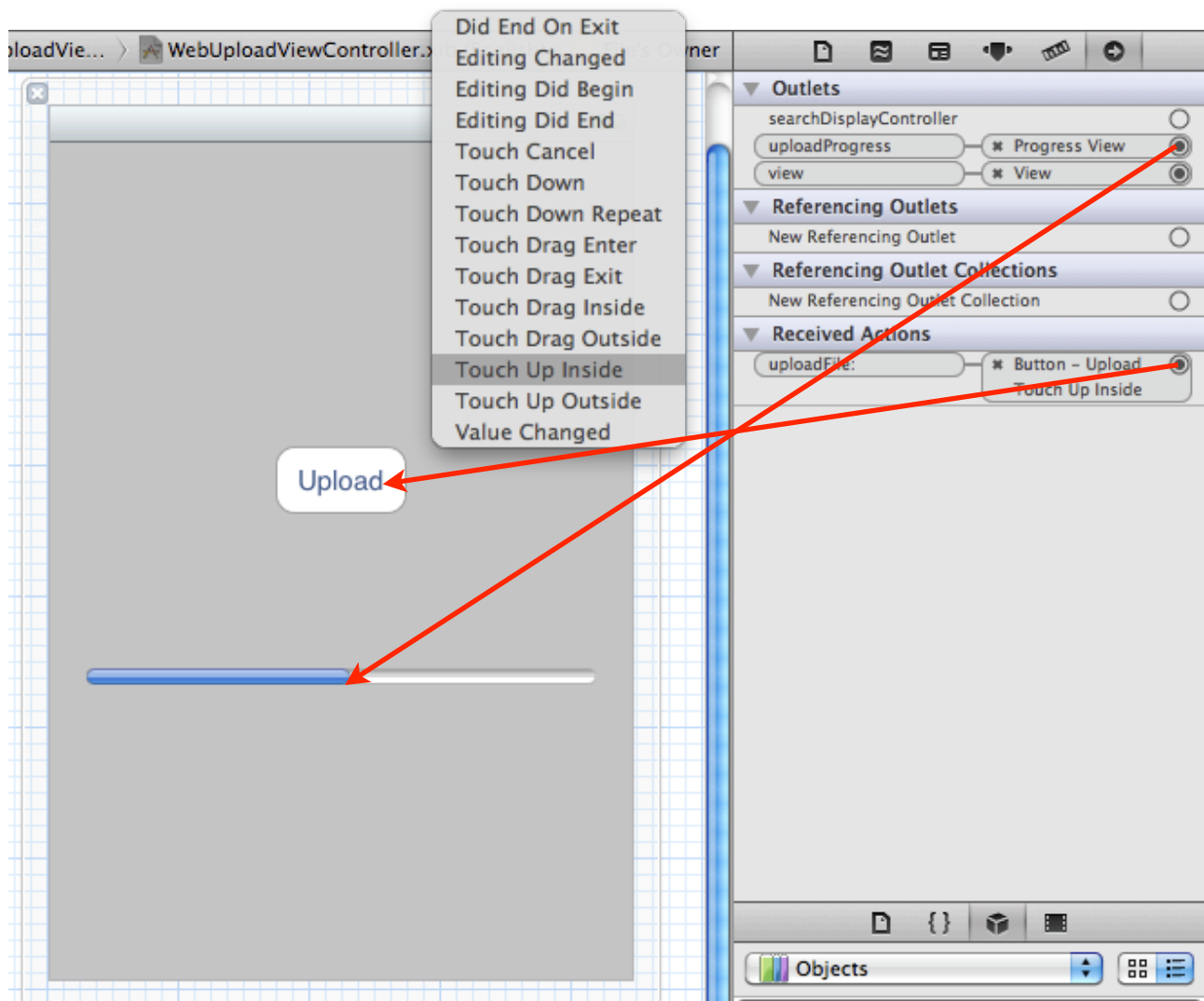
Step 12. 在 WebASIUploadViewController.h 裡面先 `import "ASIFormDataRequest.h"` 再加入一個upload顯示用的UIProgressView, 一個 ASIFormDataRequest 和一個執行upload file的IBAction

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

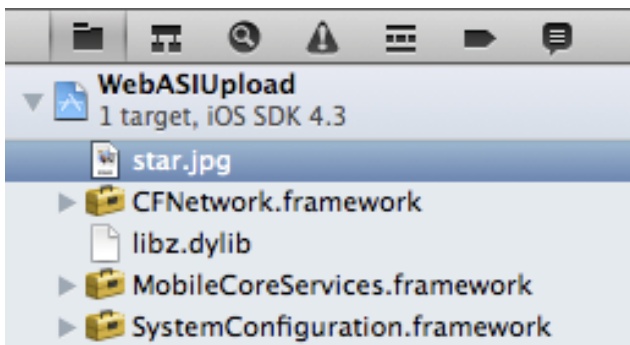
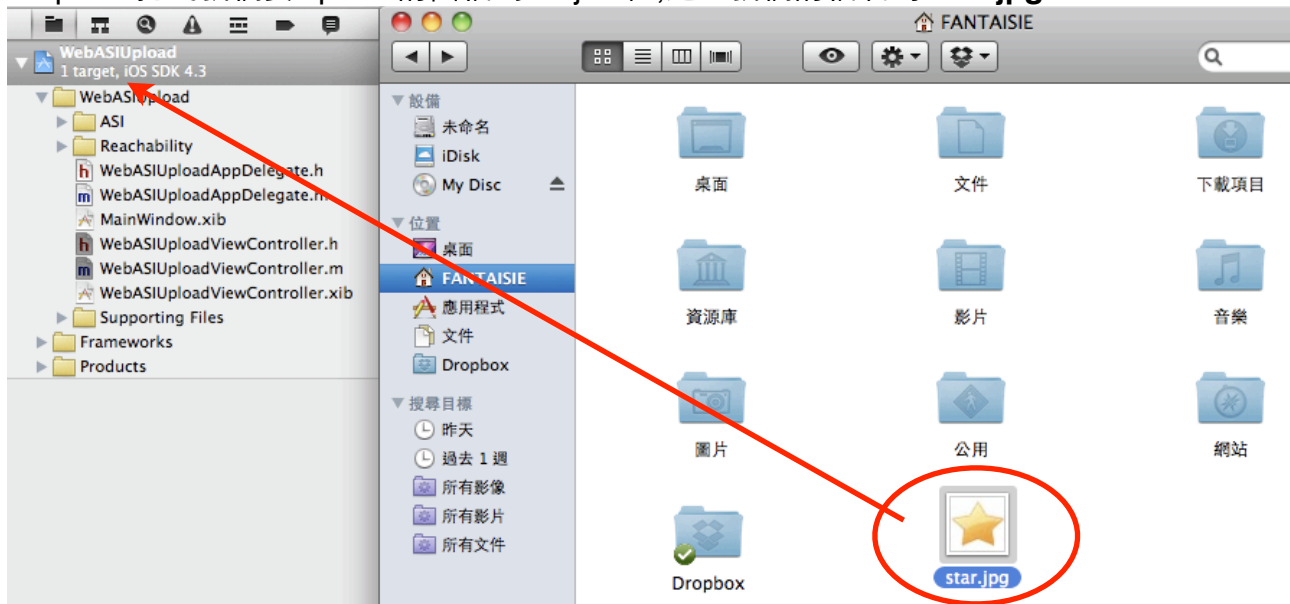
@interface WebASIUploadViewController : UIViewController {
    IBOutlet UIProgressView *uploadProgress;
    ASIFormDataRequest *request;
}
- (IBAction)uploadFile:(id)sender;
@end
```

Step 13. 開啓WebASIUploadViewController.xib的View裡  
加入一個UIButton, 並將Title命名為Upload,  
並再加入一個UIProgressView, 並自行放到縮小到合意的寬度

點選File's Owner,在Connections Inspector裡面  
將uploadProgress連結到我們View中新增的UIProgressView  
並將uploadFile:這個IBAction連結到我們View中新增的Button,選取Touch Up Inside



Step 14. 拖曳我們要Upload的圖檔到Project裡,這邊我們的檔名為 **star.jpg**



Step 15. 在 WebASIUploadViewController.m 裡找到 viewDidLoad 這個method將Mark去掉, 然後將uploadProgress這個 UIProgressView的初始值設為 0.0

```
// Implement viewDidLoad to do additional setup after loading the view,
// typically from a nib.
- (void)viewDidLoad
{
    [super viewDidLoad];
    [uploadProgress setProgress:0.0];
}
```

Step 16. 同樣在 WebASIUploadViewController.m 實作 **uploadFile:** 這個IBAction去建立 ASIFormDataRequest和設定URL, 以及UploadProgressDelegate, Delegate等, 注意紅框內的檔名和副檔名是你要上傳的檔案的檔名和副檔名(在此為剛剛加入我們project裡的star.jpg) 並且再加上兩個DidFail和DidFinish條件會呼叫的method, **uploadFailed:** 以及 **uploadFinished:**

```
#import "test9ViewController.h"
```

```
@implementation test9ViewController
```

```
- (IBAction)uploadFile:(id)sender {
    request = [ASIFormDataRequest requestWithURL:[NSURL
URLWithString:@"http://127.0.0.1:8888/php_test/Upload.php"]];
    [request setTimeoutSeconds:20];

    #if __IPHONE_OS_VERSION_MAX_ALLOWED >= __IPHONE_4_0
        [request setShouldContinueWhenAppEntersBackground:YES];
    #endif
    [request setUploadProgressDelegate:uploadProgress];
    [request setDelegate:self];
    [request setDidFailSelector:@selector(uploadFailed:)];
    [request setDidFinishSelector:@selector(uploadFinished:)];

    [request setData:UIImagePNGRepresentation([UIImage
imageName:@"star.jpg"]) withFileName:@"star.jpg"
andContentType:@"image/jpeg" forKey:@"uploadedfile"];

    [request startAsynchronous];
}
```

```
#pragma mark -
#pragma data request delegate
```

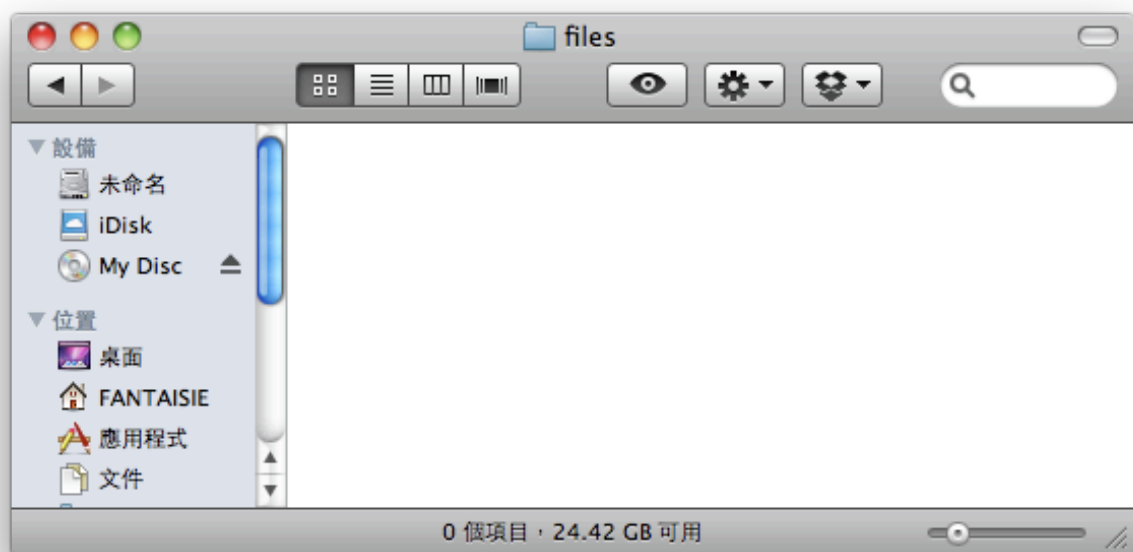
```
- (void)uploadFailed:(ASIHTTPRequest *)theRequest
{
    NSLog(@"upload file failed");
}
```

```
- (void)uploadFinished:(ASIHTTPRequest *)theRequest
{
    NSLog(@"upload file finished %@", theRequest);
}
```

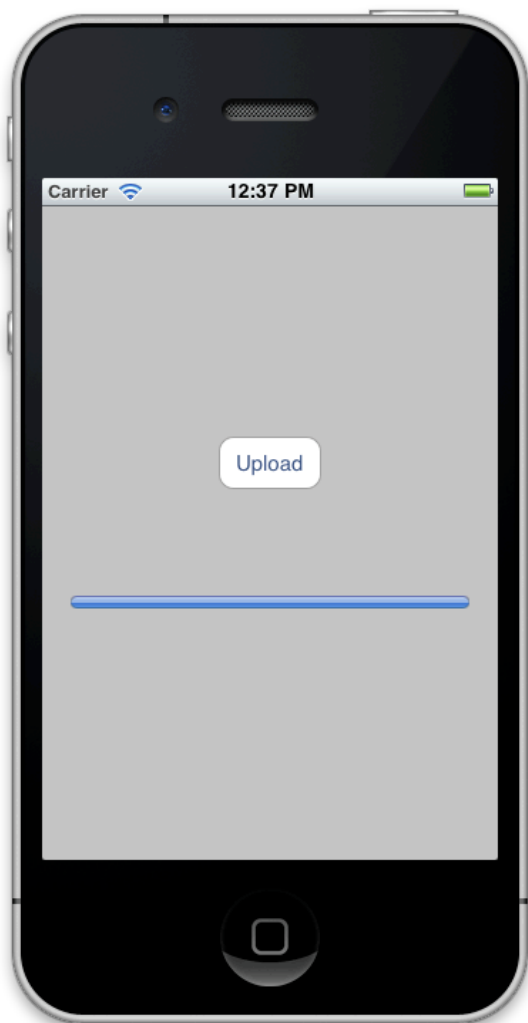
### Step17. Build and Run 初始畫面



先確認 MAMP Server 開啓, 並且在 MAMP -> htdocs -> php\_test -> files 裡是空無一物的



點下Upload這個Button後



star.jpg 已上傳到files這個資料夾中

