

เอกสารประกอบการอบรม
Core iOS Application Development with Swift

เริ่มต้นด้วย เรียนรู้ iOS Swift Language Syntax

1. การประกาศตัวแปรแบบไม่กำหนด Data Type หรือเรียกอีกแบบว่า Implicit ตัวอย่าง

```

4
5 //Implicit
6 var str = "Hello, playground"
7 var str1 = "Code Mobile"
8 var tmp1 = 1
9 var tmp2 = true
10 var tmp = 1.1
11

```

"Hello, playground"
 "Code Mobile"
 1
 true
 1.1

สังเกตุว่า Swift จะ auto เลือก Data Type ให้

2. ถ้าเราต้องการจะเลือก Data Type เองนั้นจะเรียกว่า Explicit โดย Syntax คือการใช้เครื่องหมาย : คั่นระหว่าง Variable และ DataType

```

11
12 //Explicit De..
13 var tmp4:String = "555"
14 var tmp5:Bool = false
15 var tmp6:Int = 1
16

```

"555"
 false
 1

3. การประกาศตัวแปรแบบ Constant (ค่าคงที่) ตัวอย่าง

```

19
20 let tmp7 = 1235
21

```

1235

4. การประกาศ Method ในแต่ละแบบ

```

22 func method_normal(){
23     print("CodeMobile")
24 }
25 func method_return() -> String{
26     return "555"
27 }
28
29 func method_singleArg(arg1:String){
30     print(arg1)
31 }
32
33 func method_multiArgs(arg1:String, arg2:Int, arg3:Bool){
34     print("a1 = \(arg1), a2 = \(arg2) , a3= \(arg3)")
35 }
36
37 func method_multiArgsWithEx(var1 arg1:String, arg2:Int,arg3:Bool){
38     print("a1 = \(arg1), a2 = \(arg2) , a3= \(arg3)")
39 }
40
41 func method_multiArgsWithoutEX(_ arg1:String, arg2:Int, arg3:Bool){
42     print("a1 = \(arg1), a2 = \(arg2), a3 = \(arg3)")
43 }
44
45
46 method_normal()
47
48 let result10 = method_return()
49
50 method_singleArg(arg1: "1234")
51
52 method_multiArgs(arg1: "cm", arg2: 1, arg3: false)
53
54 method_multiArgsWithEx(var1: "s", arg2: 2, arg3: false)
55
56 method_multiArgsWithoutEX("ss", arg2: 9, arg3: true)
57

```

"CodeMobile\n"
 "555"
 "1234\n"
 "a1 = cm, a2 = 1 , a3= false\n"
 "a1 = s, a2 = 2 , a3= false\n"
 "a1 = ss, a2 = 9, a3 = true\n"
 "555"

5. Optionals หมายถึง จะมีค่าอยู่ หรือไม่มีค่าอยู่ ก็ได้

```
58 var op:String? = "aot"
59 //op = nil
60 print(op)
61
```

"aot"
nil
"nil\n"

6. Forced unwrapping จะใช้เมื่อตัวแปรนั้นมีค่าเก็บอยู่ 100% ถ้าเป็น nil จะ Error วิธีการใช้ Force Unwrapping ก็เพียงแค่เติมเครื่องหมายตกใจ “ ! ” ต่อท้ายชื่อตัวแปร

```
57
58 var op:String? = "aot"
59 //op = nil
60 print(op!)
61
```

"aot"
"aot\n"

ตัวอย่างเมื่อมีค่าเป็น nil จะ Error ทันที

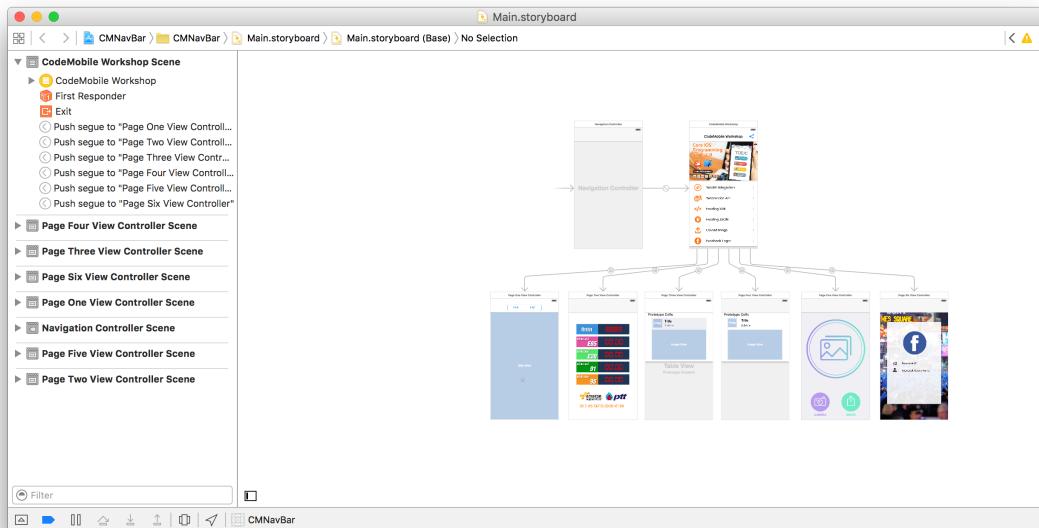
```
57
58 var op:String? = "aot"
59 op = nil
60 print(op!)
61
```

error

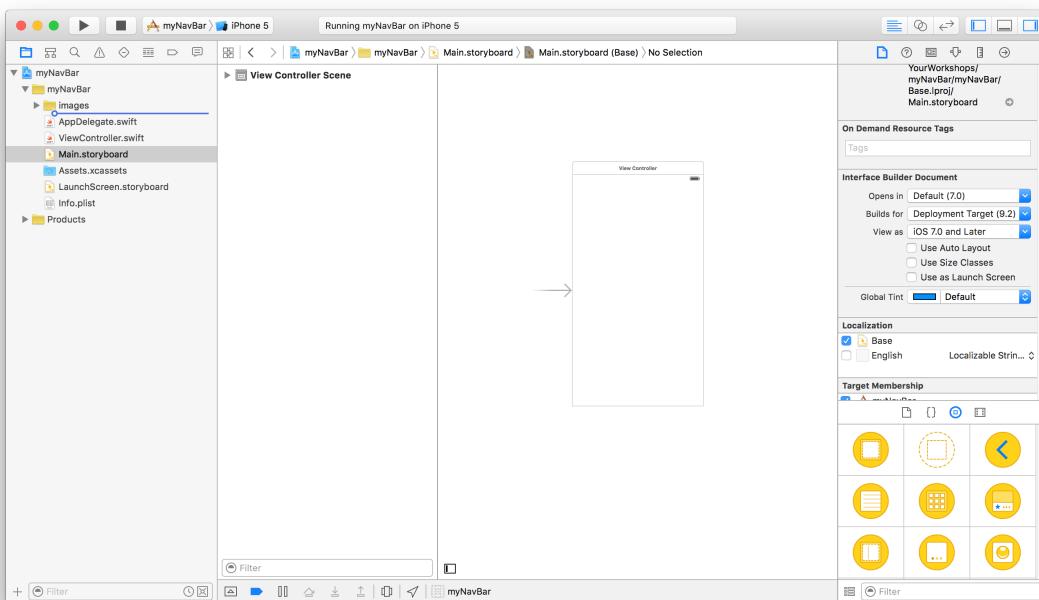
error: Execution was interrupted, reason: EXC_BAD_INSTRUCTION (code=EXC_I386_INVOP, subcode=0x0).

Day one:

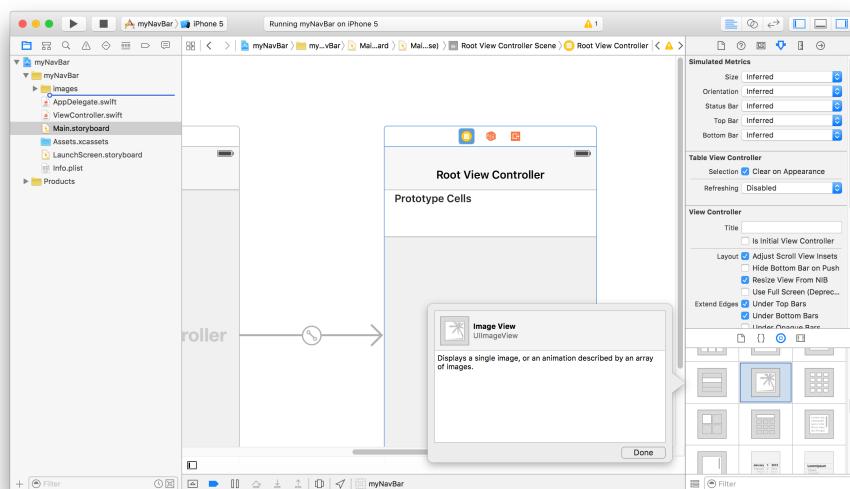
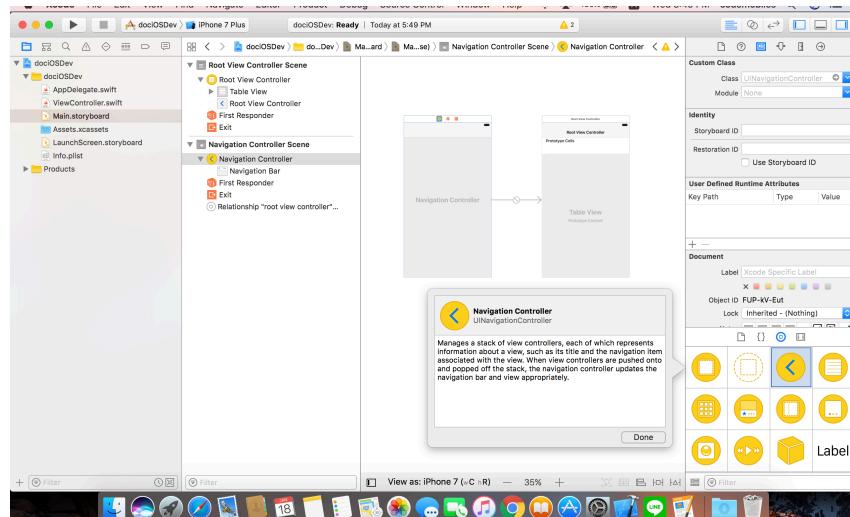
เริ่มต้น workshop CMNavBar
การสร้าง storyboard



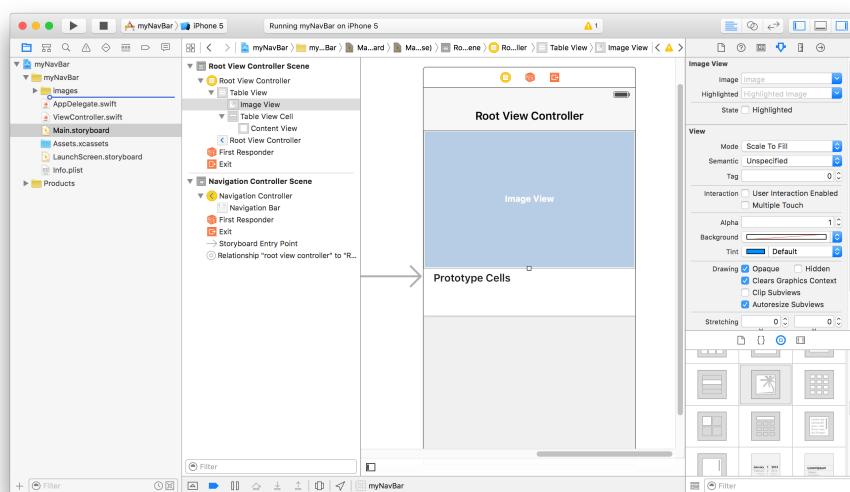
ทำการลบ View Controller Scene ออก



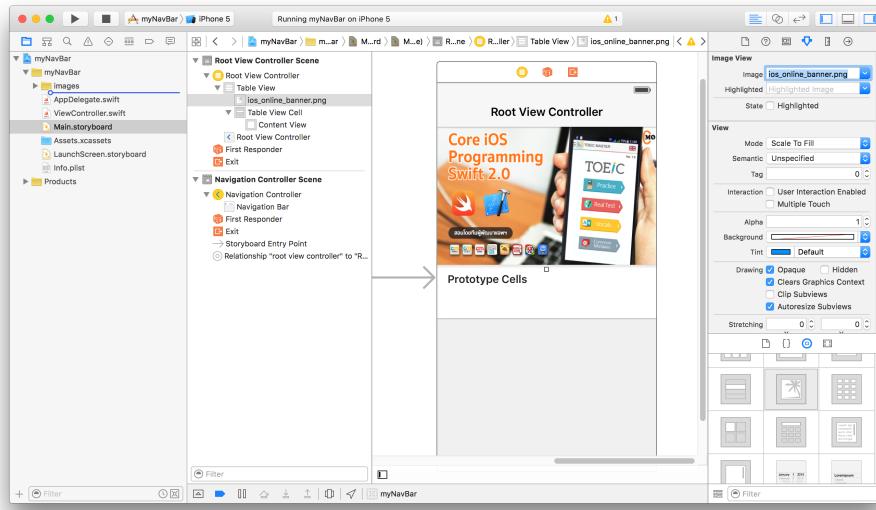
วิธี Navigation Controller แทนตำแหน่งเดิม



วิธี ImageView ในตำแหน่ง Header ของ Table View

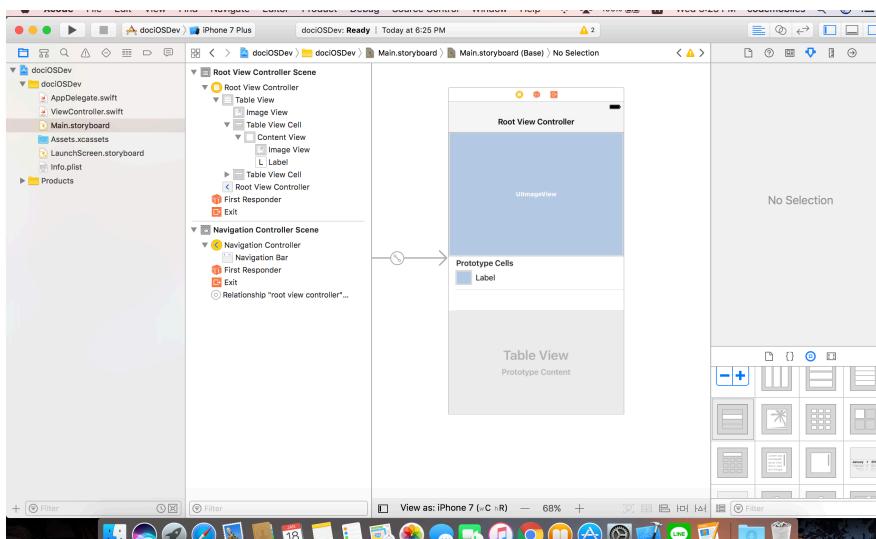


เปลี่ยนรูปภาพ Image View ในแอนดรอยด์ Attributes Inspector -> Image

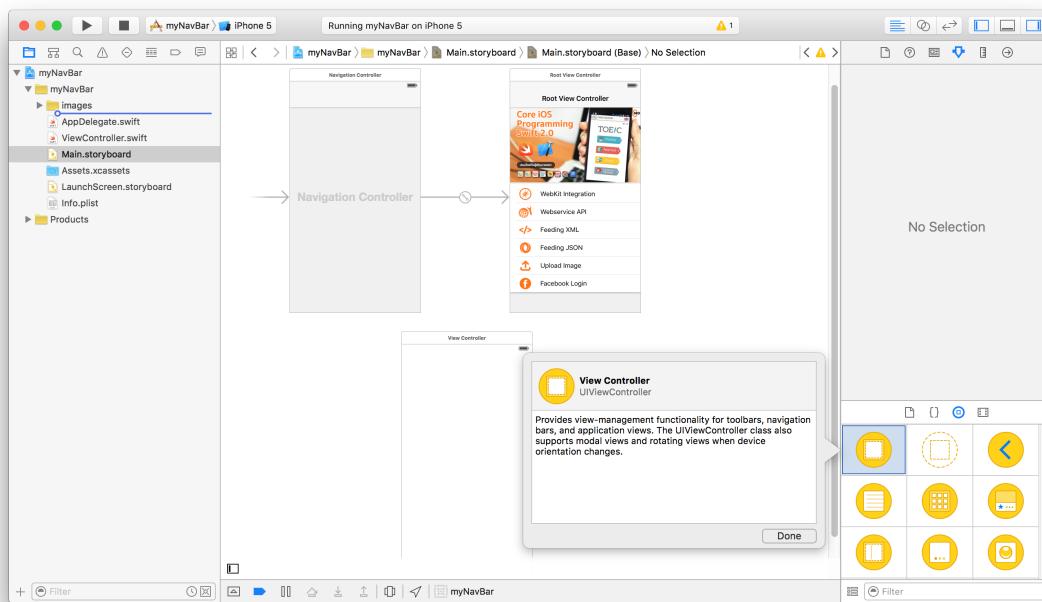


วาง Table View Cell ในตำแหน่ง Content ของ Table View

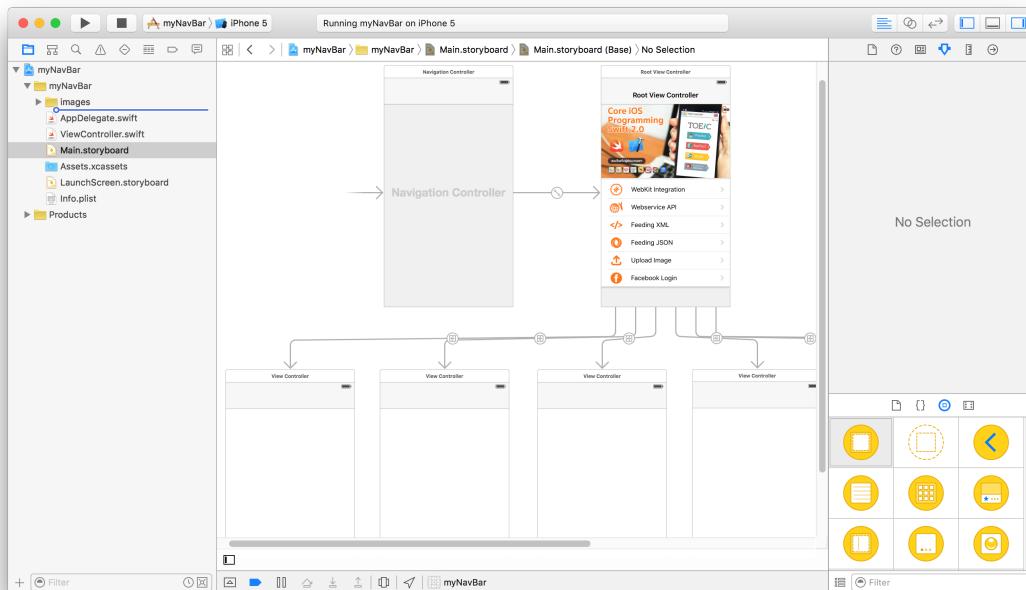
วาง Image View กับ Label ภายใต้ Layer ของ Table View Cell



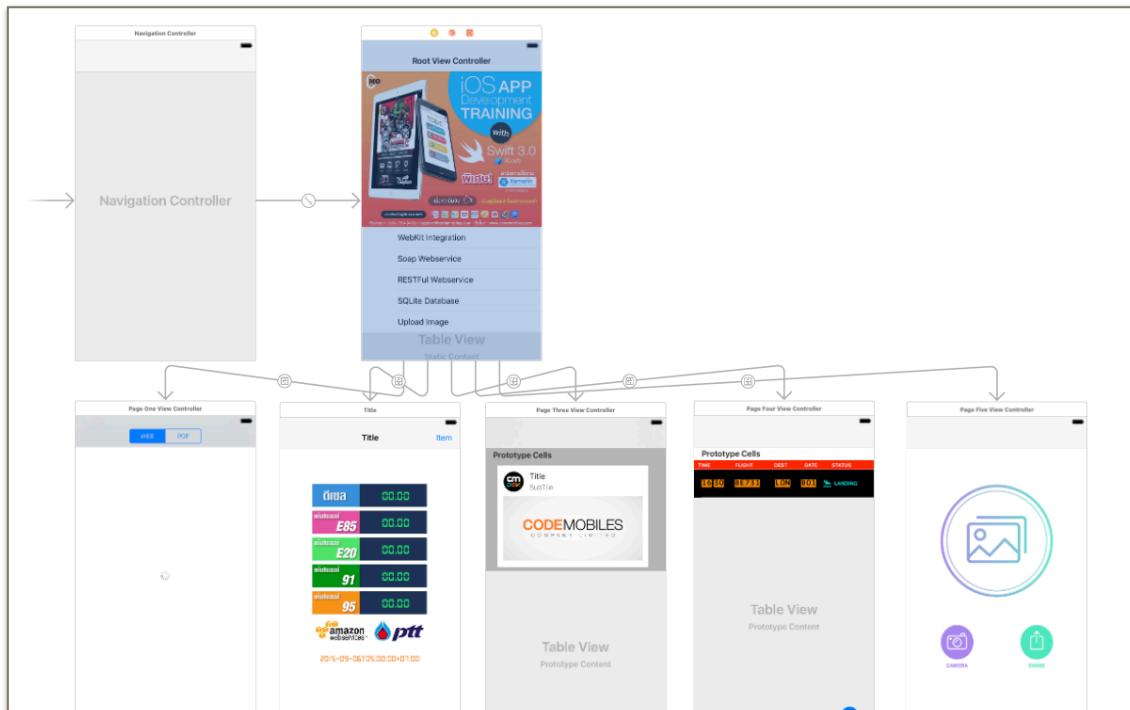
วิธี View Controller ตามจำนวนหน้าที่ต้องการ



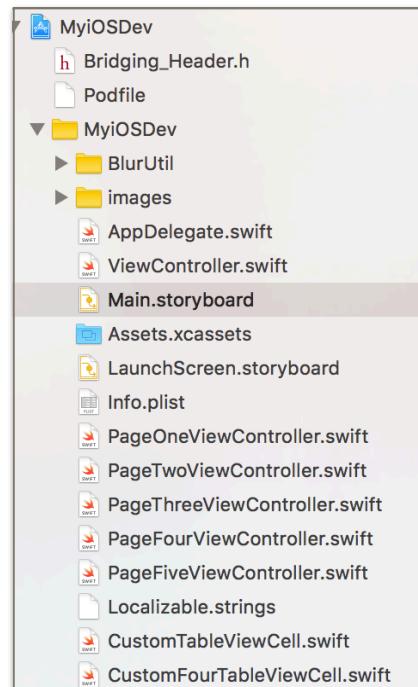
ทำการโยงแต่ละ Table View Cell ไปยัง View Controller ที่ต้องการ โดยคลิกขวาที่ Table View Cell เลือก selection เชื่อมกับ View Controller และเลือก show



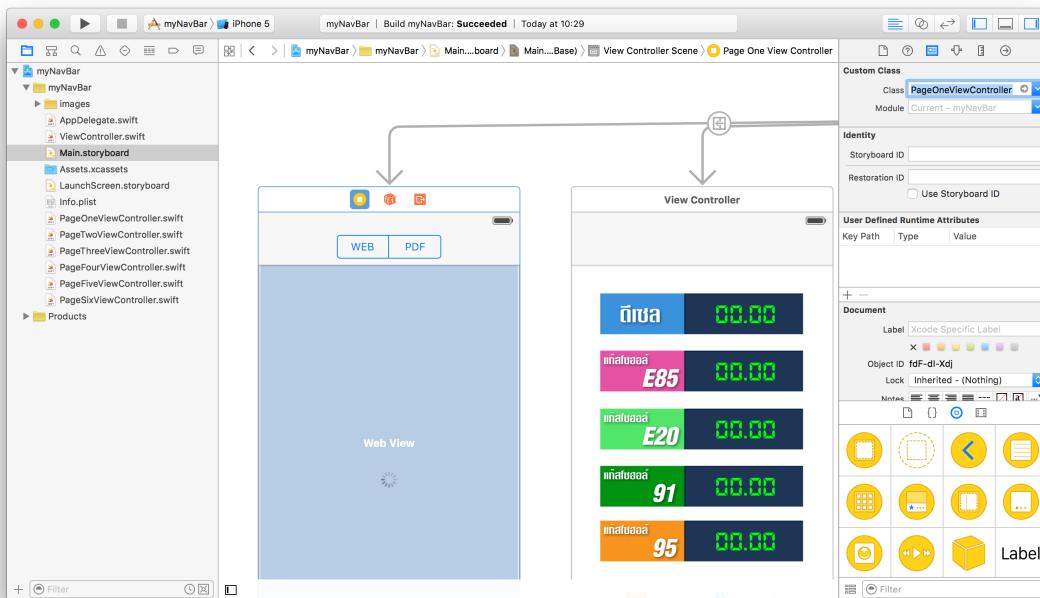
การเขียนเชื่อมโยงคลาสกับหน้า UI และการเขียนคำสั่งเพื่อจัดการข้อมูล ในแต่ละ Page



ทำการสร้างไฟล์ประเภท UIViewController ตามจำนวนหน้าที่สร้าง และเปลี่ยนชื่อไฟล์



คลิกที่ icon self แต่ละ View Controller และเชื่อมโยง Class กับ View Controller ในແຄນເມນູ Identity Inspector -> Class



ทดลองเปลี่ยนชื่อ Title Bar โดยการเพิ่มคำสั่งลงใน Class View Controller แต่ละหน้า

```
// Created by Codemobiles2 on 1/16/2559 BE.
// Copyright © 2559 CodeMobiles. All rights reserved.

import UIKit

class ViewController: UITableViewController {

    override func viewDidLoad() {
        super.viewDidLoad()
        // Do any additional setup after loading the view, typically
    }

    override func didReceiveMemoryWarning() {
        super.didReceiveMemoryWarning()
        // Dispose of any resources that can be recreated.
    }

    override func prepareForSegue(segue: UIStoryboardSegue, sender: A
        let targetVC = segue.destinationViewController
        targetVC.title = "CodeMobiles"
    }
}
```

คำสั่งในการดึงชื่อ Row ที่คลิกมาแสดงใน Title Bar

```

1 // ViewController.swift
2 // myNavBar
3 //
4 //
5 // Created by Codemobiles2 on 1/16/2559 BE.
6 // Copyright © 2559 CodeMobiles. All rights reserved.
7 //
8
9 import UIKit
10
11 class ViewController: UITableViewController {
12
13     override func viewDidLoad() {
14         super.viewDidLoad()
15         // Do any additional setup after loading the view, typically from a nib.
16     }
17
18     override func didReceiveMemoryWarning() {
19         super.didReceiveMemoryWarning()
20         // Dispose of any resources that can be recreated.
21     }
22
23     override func prepareForSegue(segue: UIStoryboardSegue, sender: AnyObject?) {
24         let targetVC = segue.destinationViewController
25         //targetVC.title = "CodeMobiles"
26
27         let indexPath = self.tableView.indexPathForSelectedRow
28         let cell = self.tableView.cellForRow(atIndexPath(indexPath))
29         targetVC.title = cell?.textLabel?.text
30     }
31
32 }

```

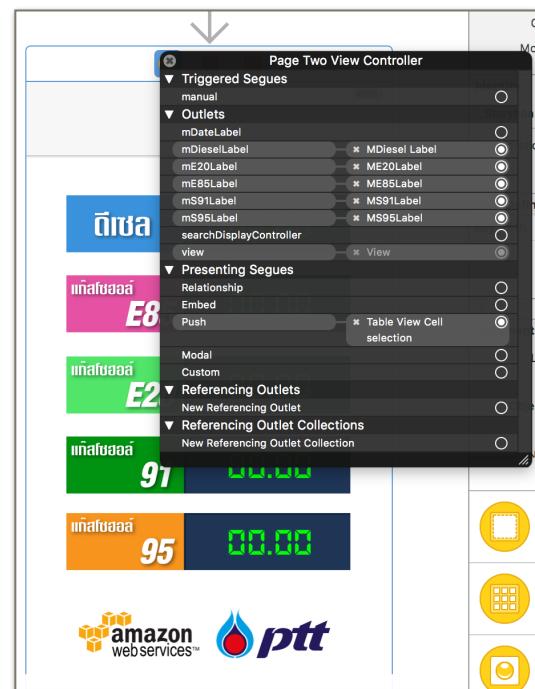
การใช้ IBOutlet ในการควบคุม UI และ อีเวนต์

ทำการเชื่อมโยง IBOutlet กับ View โดยคลิกขวาที่ icon self และเชื่อมโยงกันตามชื่อที่ระบุไว้

```

1 // PageTwoViewController.swift
2 // myNavBar
3 //
4 //
5 // Created by Codemobiles2 on 1/16/2559 BE.
6 // Copyright © 2559 CodeMobiles. All rights reserved.
7 //
8
9 import UIKit
10
11 class PageTwoViewController: UIViewController {
12
13     // BindWidget
14     @IBOutlet weak var mDieselLabel:UILabel!
15     @IBOutlet weak var mE85Label:UILabel!
16     @IBOutlet weak var mE20Label:UILabel!
17     @IBOutlet weak var mS91Label:UILabel!
18     @IBOutlet weak var mS95Label:UILabel!
19     @IBOutlet weak var mDateLabel:UILabel!
20
21     override func viewDidLoad() {
22         super.viewDidLoad()
23         self.mDieselLabel.text = "23.22"
24
25         // Do any additional setup after loading the view.
26     }
27
28     override func didReceiveMemoryWarning() {
29         super.didReceiveMemoryWarning()
30         // Dispose of any resources that can be recreated.
31     }
32
33     @IBAction func onClickedRefreshBtn(){
34         print("onClickedRefreshBtn")
35     }
36
37
38 /**
39 * MARK: - Navigation

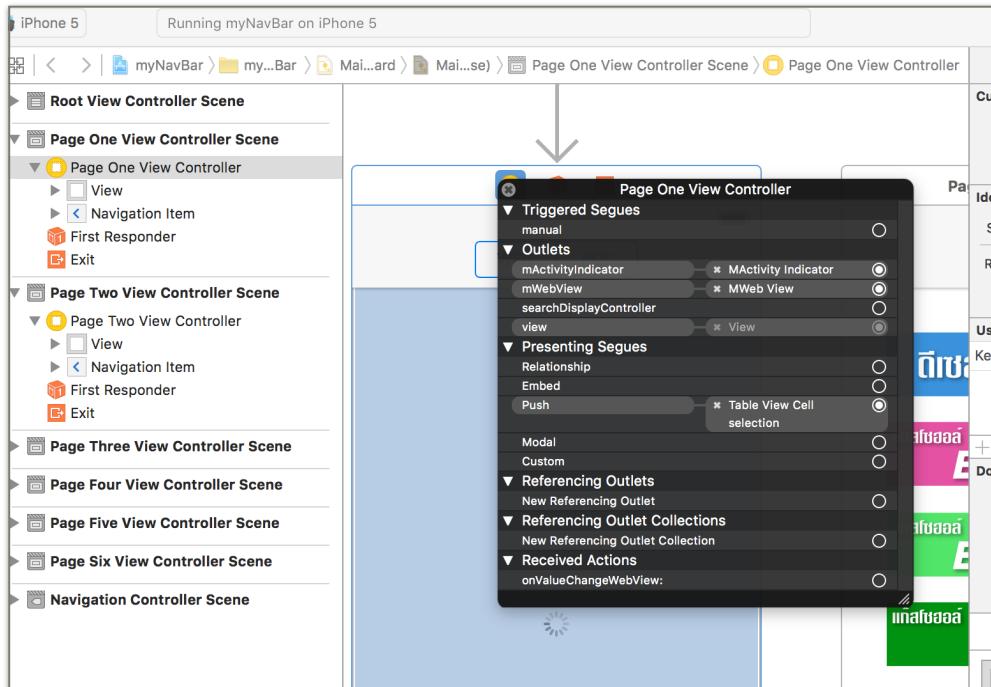
```

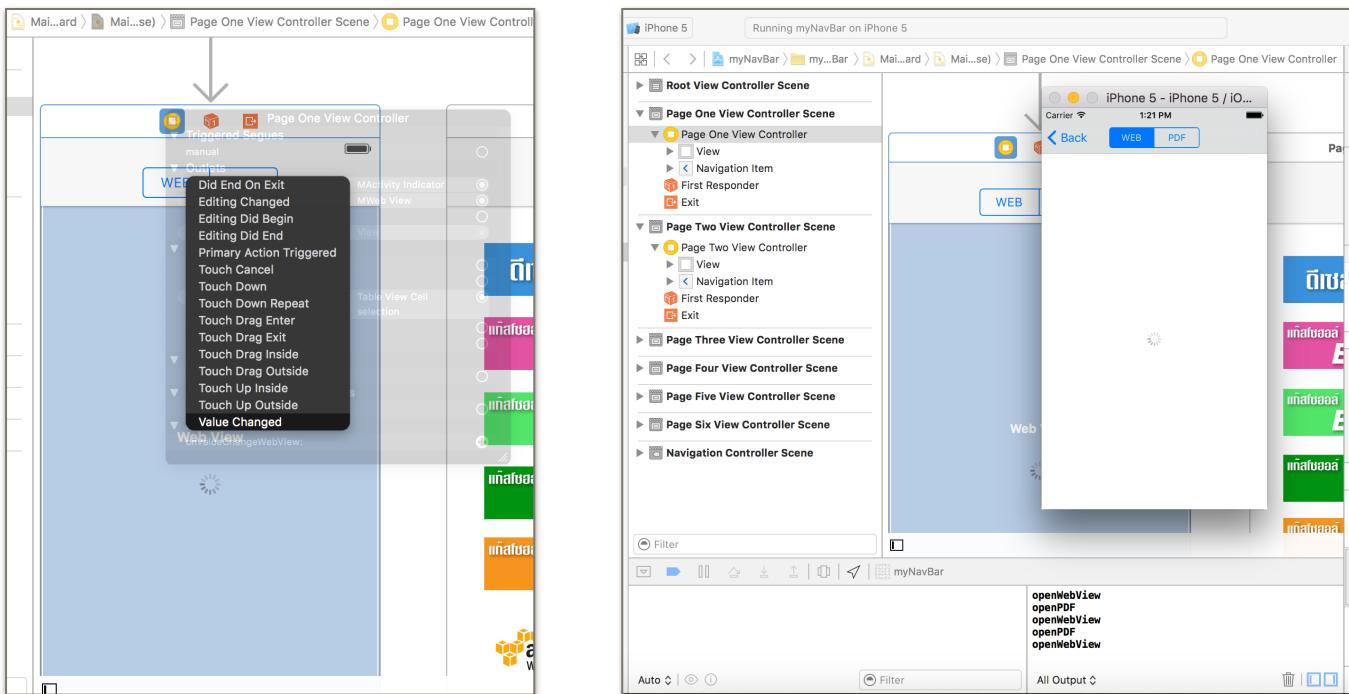


การนำเว็บมาแสดงในหน้า UI และการแสดงไฟล์ PDF ของ page 1

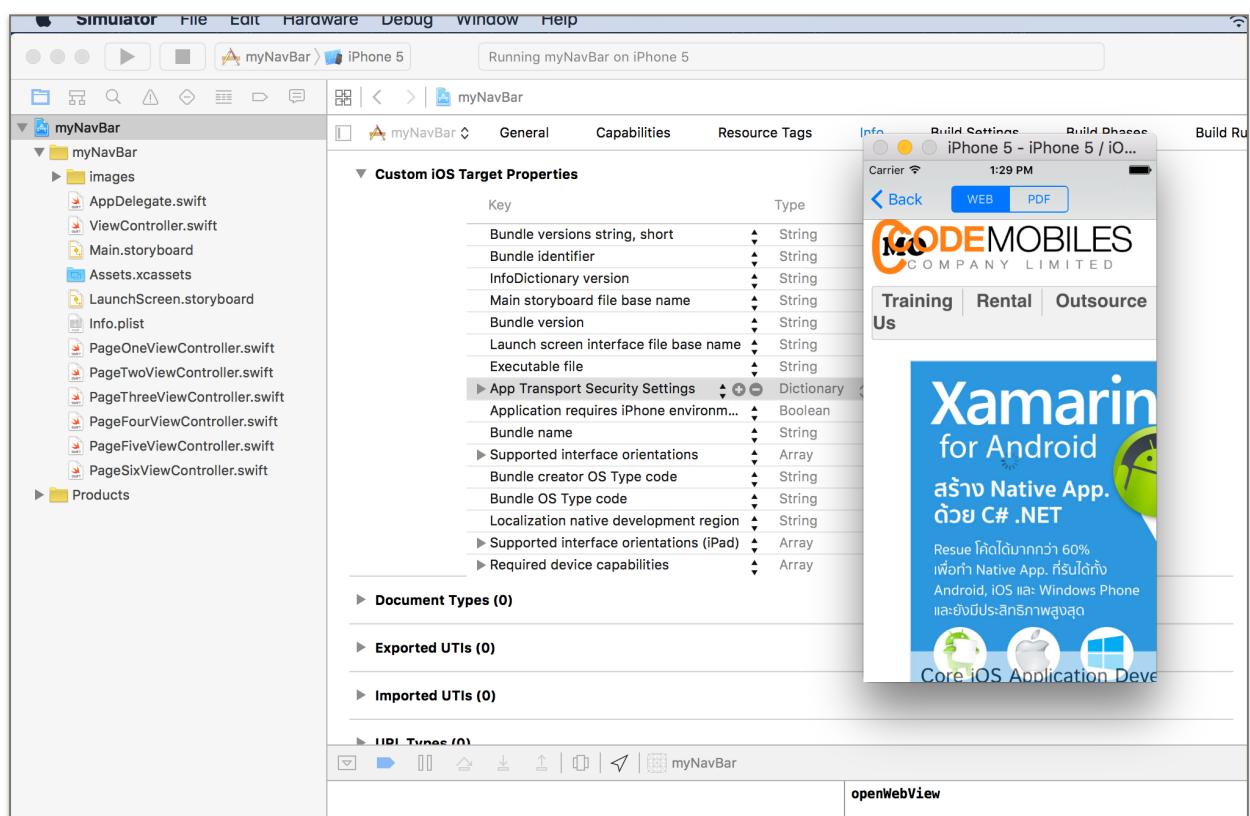
```
7 // Copied from https://www.bignerdranch.com/resources/
8
9 import UIKit
10
11 class PageOneViewController: UIViewController {
12
13     @IBOutlet weak var mWebView: UIWebView!
14     @IBOutlet weak var mActivityIndicator: UIActivityIndicatorView!
15
16     @IBAction func onValueChangeWebView(sender: AnyObject) {
17         switch sender.selectedSegmentIndex {
18             case 0:
19                 self.openWebView()
20                 break
21             default:
22                 self.openPDF()
23                 break
24         }
25     }
26
27     func openWebView() {
28         print("openWebView")
29     }
30
31     func openPDF() {
32         print("openPDF")
33     }
34
35     override func viewDidLoad() {
36         super.viewDidLoad()
37         self.openWebView()
38
39         // Do any additional setup after loading the view.
40     }
41
42     override func didReceiveMemoryWarning() {
43         super.didReceiveMemoryWarning()
44         // Dispose of any resources that can be recreated.
45     }
46
47
48 /**
49 // MARK: - Navigation
50
51 // In a storyboard-based application, you will often want to do a little preparation before navigation
52 override func prepareForSegue(segue: UIStoryboardSegue, sender: AnyObject?) {
```

ทำการเชื่อมโยง IBOulet และ IBAction ในส่วนของ IBAction ให้เลือก Value Changed





ทำการเพิ่ม Key ในส่วนของ Info.plist



เพิ่ม Key “App Transport Security Settings” ลงไป และ เพิ่ม Sub Key “Allow Arbitrary Loads” มีค่าเท่ากับ “Yes”

▼ App Transport Security Settin...			Dictionary	(1 item)
Allow Arbitrary Loads			Boolean	YES

คำสั่งในการเปิด WebView และ Pdf

```
func openWeb(){
    print("web")
    //print("444",terminator: "")
    let targetUrl = URL(string: "http://www.apple.com/th")
    let req = URLRequest(url: targetUrl!)
    self.mWebview.loadRequest(req)
}

func openPdf(){
    print("pdf")
    let pdfPath = Bundle.main.path(forResource: "product", ofType: "pdf")
    let pdfData = NSData(contentsOfFile: pdfPath!)
    self.mWebview.loadData(pdfData! as Data, mimeType: "application/pdf", textEncodingName: "utf-8",
        baseURL: NSURL() as URL)

    print(pdfPath) ⚠ Expression implicitly coerced from 'String?' to Any
}
```

เพิ่ม Protocol “UIWebViewDelegate” และเพิ่ม Method Callback ในการเช็คอีเวนต์

```
func webViewDidStartLoad(_ webView: UIWebView) {
    self.mActivityIndicatorView.startAnimating()
}

func webViewDidFinishLoad(_ webView: UIWebView) {
    self.mActivityIndicatorView.stopAnimating()
}

func webView(_ webView: UIWebView, shouldStartLoadWith request: URLRequest, navigationType: UIWebViewNavigationType) -> Bool {

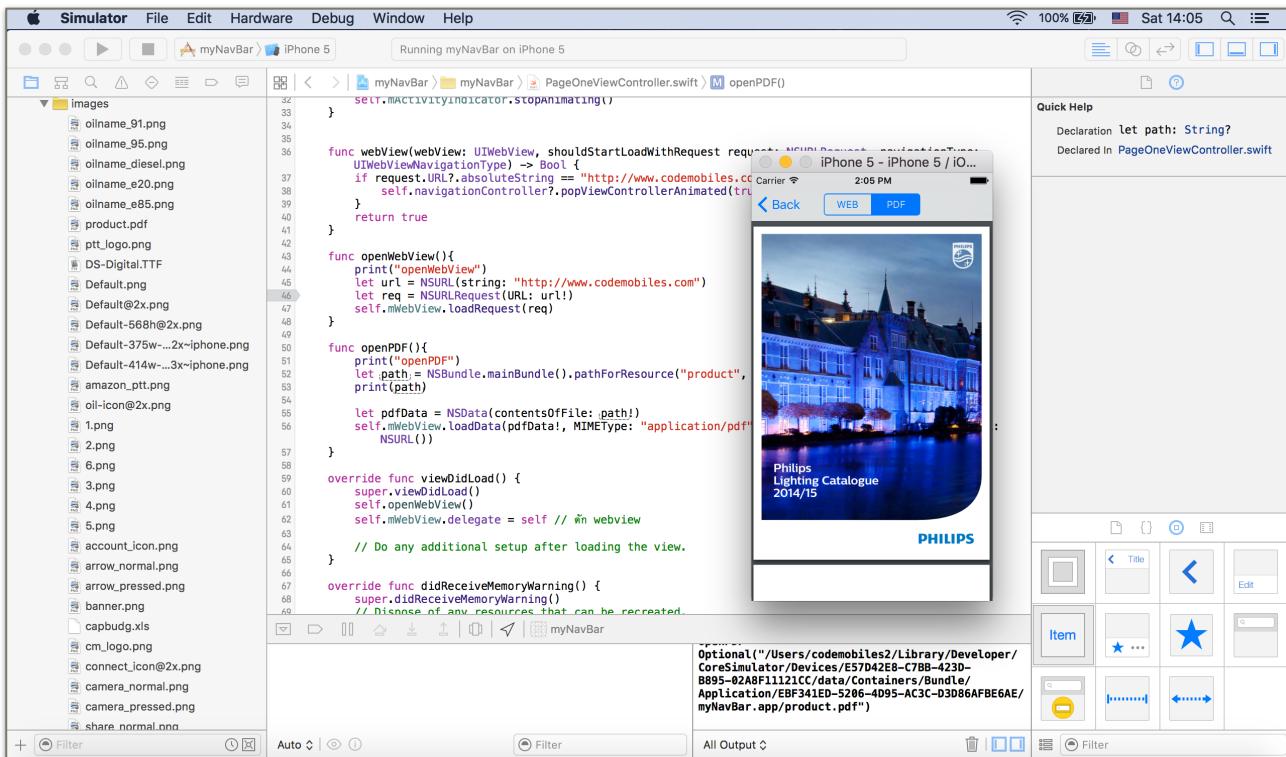
    if request.url?.absoluteString == "http://www.apple.com/th/mac/" { // check link
        _ = self.navigationController?.popViewController(animated: true)//link to app
    }

    return true
}
```

เรียกใช้งาน Method “openWeb()” ครั้งแรกเมื่อเปิด Page1

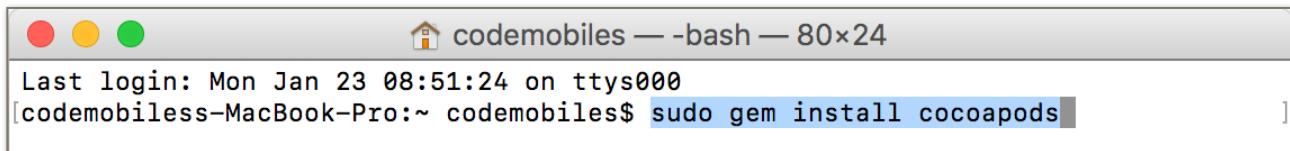
```
//start func
override func viewDidLoad() {
    super.viewDidLoad()
    self.openWeb()
    //self.mWebview.delegate=self //ต้อง listener webView

    // Do any additional setup after loading the view.
}
```



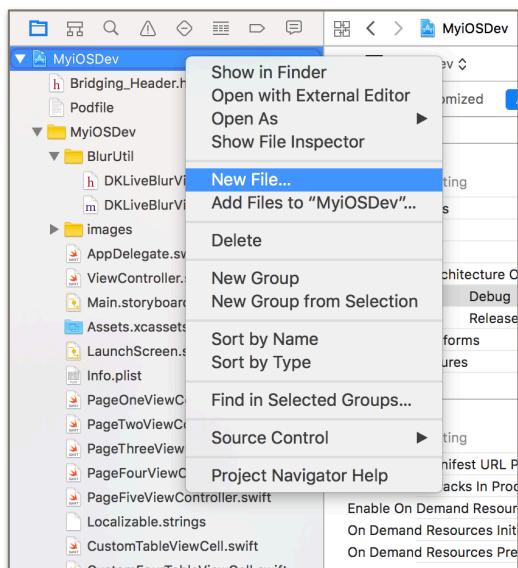
การติดตั้ง CocoaPods

Cocoapods สร้างด้วยภาษา Ruby ดังนั้นคุณจำเป็นต้องติดตั้งระบบ Ruby ในเครื่องให้เรียบร้อยจากนั้นเปิดโปรแกรม Terminal และรันคำสั่งดังต่อไปนี้

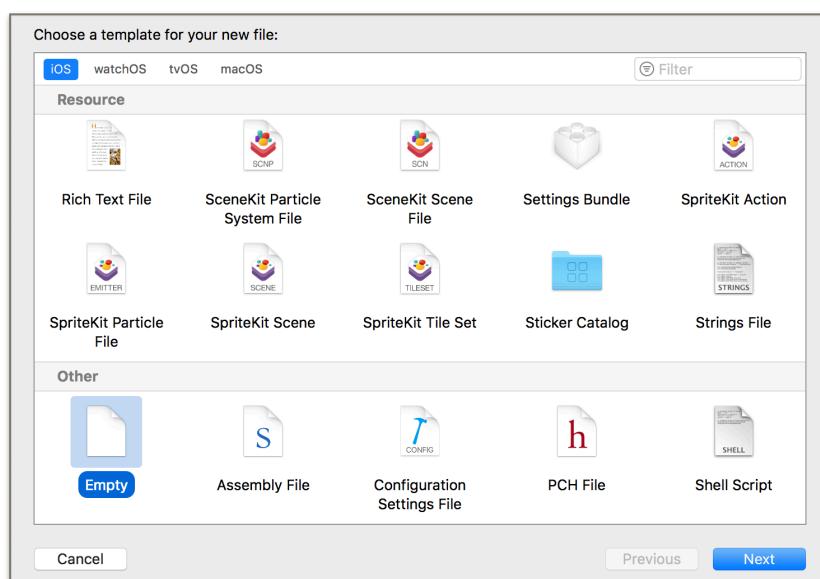


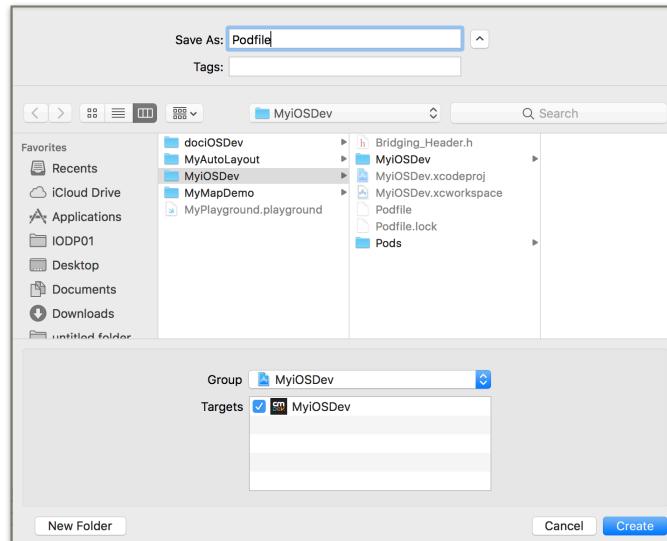
```
Last login: Mon Jan 23 08:51:24 on ttys000
[codemobiles-MacBook-Pro:~ codemobiles$ sudo gem install cocoapods]
```

วิธีสร้าง Pods File ในโปรเจกแอป iOS



เลือก Empty





เพิ่มรายชื่อ Library ที่ต้องการ

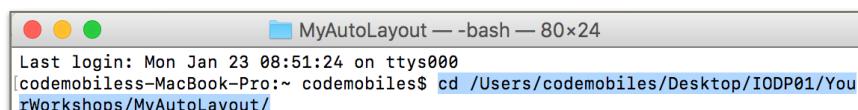
```

1 platform :ios, '10.0'
2 use_frameworks!
3 target 'MyAutoLayout'
4
5 do
6   pod 'Alamofire', '~> 4.0'
7 end
8

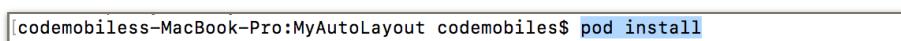
```

บันทึกไฟล์

หลังจากนั้น เปิด Terminal ขึ้นมา พิมคำสั่ง cd + ลากไฟล์ podfile ใส่ Terminal และลบคำว่า podfile ทิ้ง



รันคำสั่ง “pod install” ใน terminal



หลังจากนั้น ปิดโปรเจค และ ใช้คำสั่ง open ใน terminal

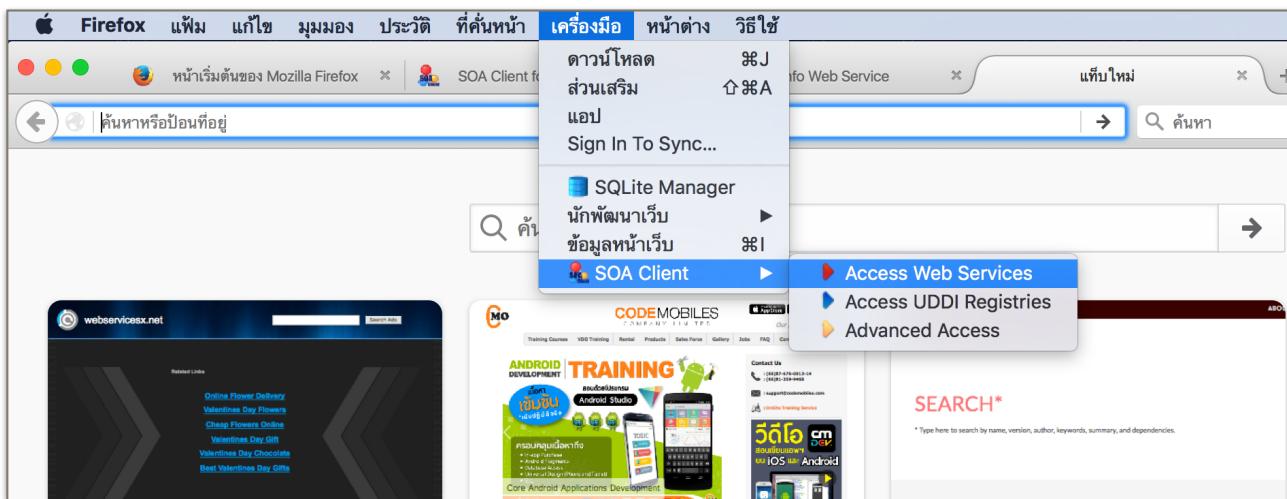
```

[!] Please close any current Xcode sessions and use `MyAutoLayout.xcworkspace` for this project from now on.
Sending stats
Pod installation complete! There is 1 dependency from the Podfile and 1 total pod installed.
codemobiles-MacBook-Pro:MyAutoLayout codemobiles$ open MyAutoLayout.xcworkspace

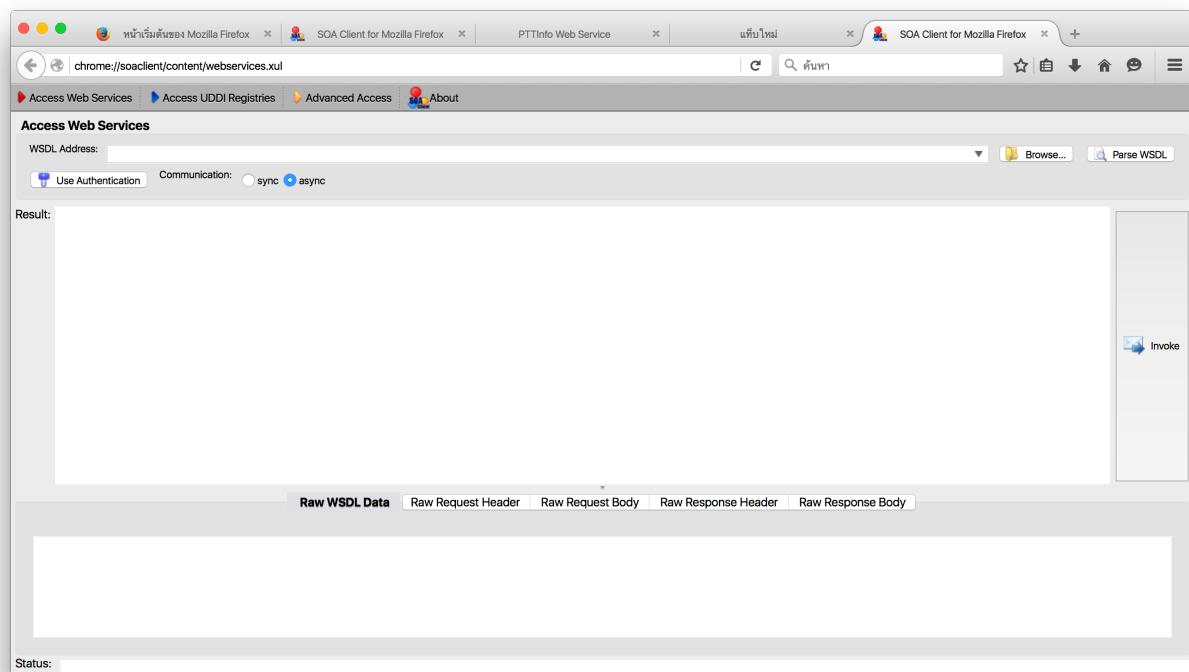
```

เสร็จสิ้น

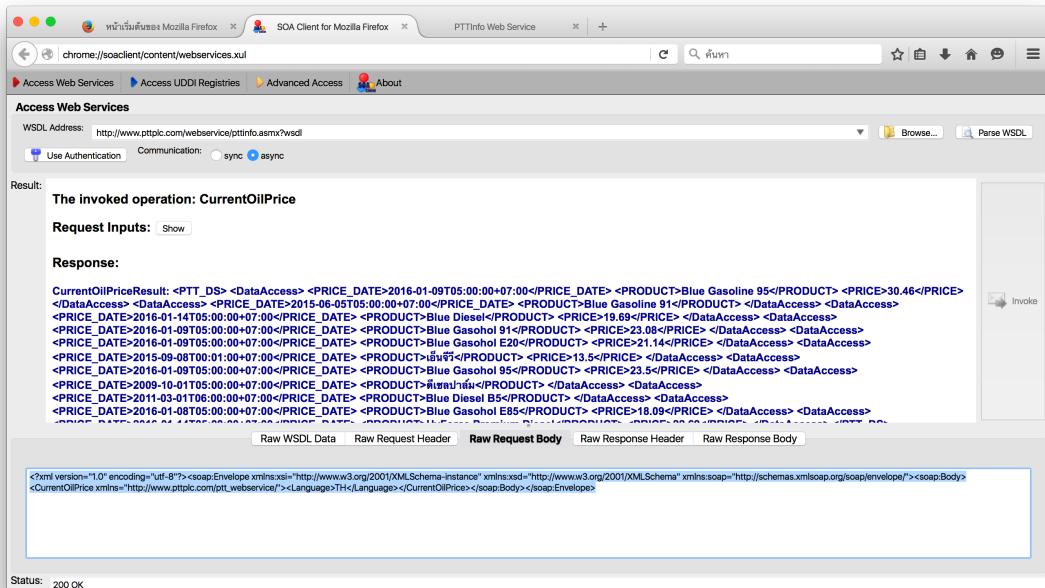
การเชื่อมต่อ webservice เพื่อนำข้อมูลมาแสดง ใน page 2



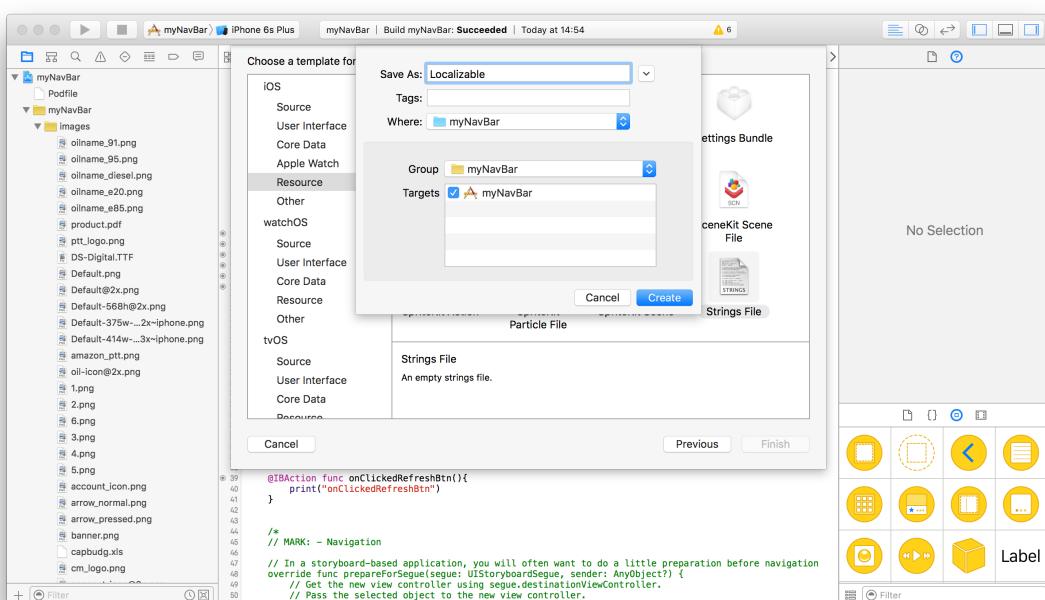
ทำการป้อน URL WebService

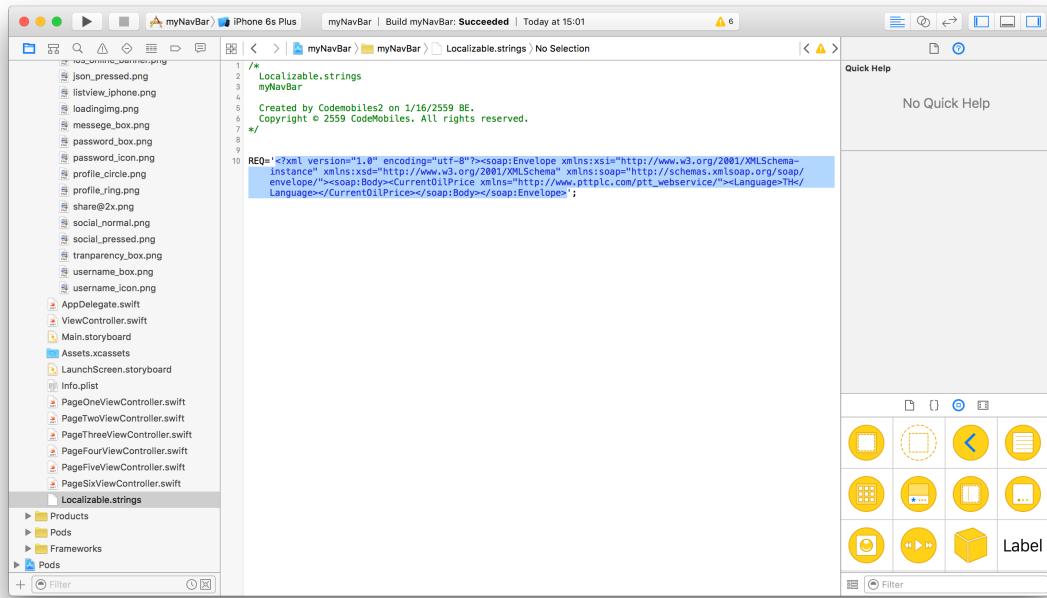


คัดลอกในส่วนของ Raw Request Body

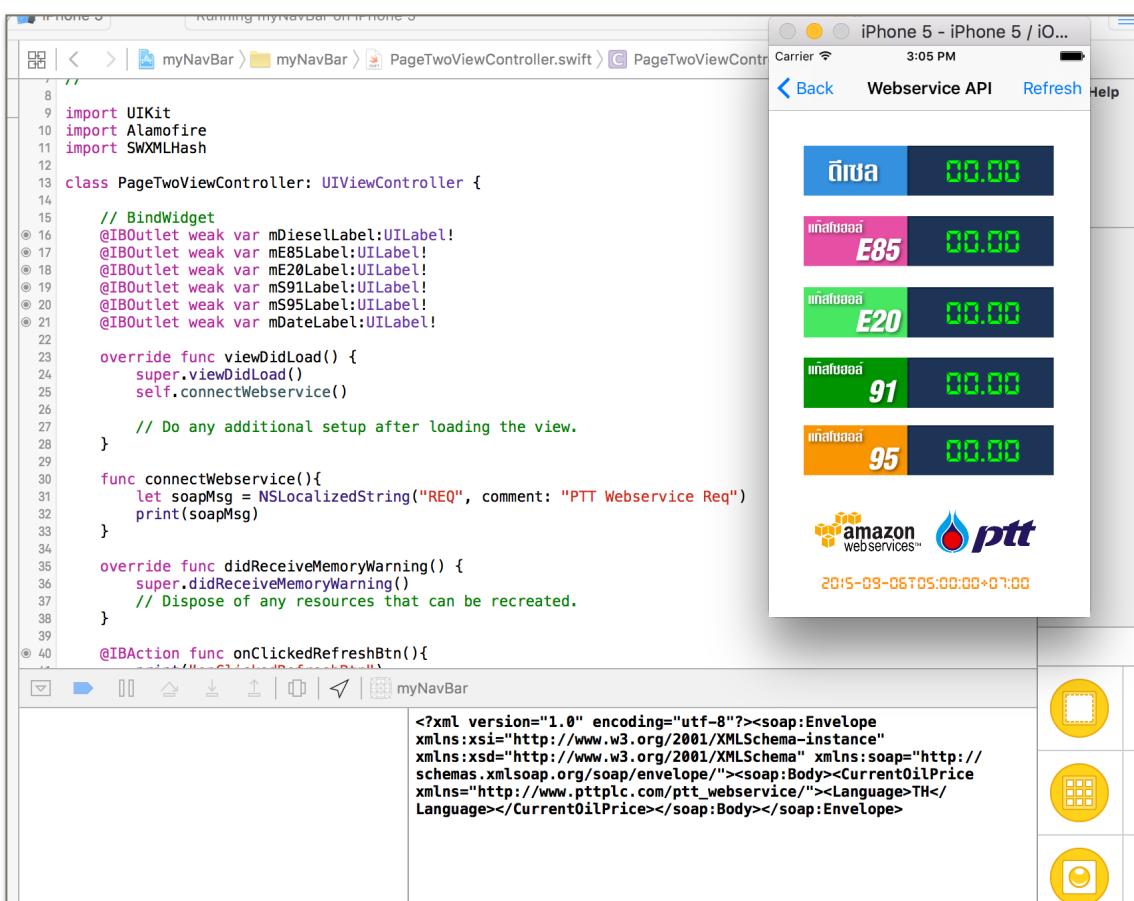


สร้างไฟล์ String สำหรับเก็บ Raw Request Body





ดึงค่า String จาก Resource มาใช้งาน



เชื่อมต่อไปยัง WebService PTT

```

22
23     override func viewDidLoad() {
24         super.viewDidLoad()
25         self.connectWebservice()
26
27         // Do any additional setup after loading the view.
28     }
29
30     func connectWebservice(){
31         let soapMsg = NSLocalizedString("REQ", comment: "PTT Webservice Req")
32         print(soapMsg)
33
34         let url: NSURL = NSURL(string: "http://www.pttplc.com/webservice/pttinfo.asmx")!
35         let wsSoapAction = "http://www.pttplc.com/ptt_webservice/CurrentOilPrice"
36
37         // create NSURLRequest
38         let request:NSMutableURLRequest = NSMutableURLRequest(URL: url)
39         let msgLength = String(format: "%tu", soapMsg.lengthOfBytesUsingEncoding(NSUTF8StringEncoding))
40         request.addValue("text/xml; charset=utf-8", forHTTPHeaderField: "Content-Type")
41         request.addValue(wsSoapAction, forHTTPHeaderField: "SOAPAction")
42         request.addValue(msgLength, forHTTPHeaderField: "Content-Length")
43         request.HTTPMethod = "POST"
44         request.HTTPBody = soapMsg.dataUsingEncoding(NSUTF8StringEncoding, allowLossyConversion: false)
45
46     }

```

ทดสอบการเชื่อมต่อ ด้วยคำสั่ง Alamofire

```

myNavBar < > myNavBar < > PageTwoViewController.swift < M connectWebservice()
| < ▲ >
37         // Create NSMutableURLRequest
38         let request:NSMutableURLRequest = NSMutableURLRequest(URL: url)
39         let msgLength = String(format: "%tu", soapMsg.lengthOfBytesUsingEncoding(NSUTF8StringEncoding))
40         request.addValue("text/xml; charset=utf-8", forHTTPHeaderField: "Content-Type")
41         request.addValue(wsSoapAction, forHTTPHeaderField: "SOAPAction")
42         request.addValue(msgLength, forHTTPHeaderField: "Content-Length")
43         request.HTTPMethod = "POST"
44         request.HTTPBody = soapMsg.dataUsingEncoding(NSUTF8StringEncoding, allowLossyConversion: false)
45
46
47         Alamofire.request(request).responseString { (request, response, result) -> Void in
48             print(result.value!)
49         }
50
51     }
52
53     override func didReceiveMemoryWarning() {
54         super.didReceiveMemoryWarning()
55     }

```

The output pane shows the XML response from the server:

```

<?PRODUCT>Blue Gasohol E20</PRODUCT>
<?PRICE>21.14</PRICE>
<?DataAccess>
<?DataAccess>
    <?PRICE_DATE>2015-09-08T00:01:00+07:00</PRICE_DATE>
    <?PRODUCT>เบนซิน</PRODUCT>
    <?PRICE>13.56</PRICE>
<?DataAccess>
<?DataAccess>
    <?PRICE_DATE>2016-01-09T05:00:00+07:00</PRICE_DATE>
    <?PRODUCT>Blue Gasohol 95</PRODUCT>
    <?PRICE>23.5</PRICE>
<?DataAccess>
<?DataAccess>
    <?PRICE_DATE>2009-10-01T05:00:00+07:00</PRICE_DATE>
    <?PRODUCT>พี.ซี.เอ.ส์</PRODUCT>
<?DataAccess>
<?DataAccess>
    <?PRICE_DATE>2011-03-01T06:00:00+07:00</PRICE_DATE>
    <?PRODUCT>Blue Diesel B5</PRODUCT>
<?DataAccess>
<?DataAccess>
    <?PRICE_DATE>2016-01-08T05:00:00+07:00</PRICE_DATE>
    <?PRODUCT>Blue Gasohol E85</PRODUCT>
    <?PRICE>18.09</PRICE>
<?DataAccess>
    <?PRICE_DATE>2016-01-14T05:00:00+07:00</PRICE_DATE>
    <?PRODUCT>Huayra Premium Diesel</PRODUCT>

```

แปลงอักขระ “<” เป็น “<” และ “>” เป็น “>” โดย Method wellXMLFormat()

iPhone 5 - iPhone 5 / iOS... 3:22 PM

Back Webservice API Refresh

didReceiveMemoryWarning()

```
request.addValue("text/xml; charset=utf-8", forHTTPHeaderField: "Content-Type")
request.addValue(wsSoapAction, forHTTPHeaderField: "SOAPAction")
request.addValue(msgLength, forHTTPHeaderField: "Content-Length")
request.HTTPMethod = "POST"
request.HTTPBody = soapMsg.dataUsingEncoding(NSUTF8StringEncoding, allowLossyConversion: f
```

Alamofire.request(request).responseString { (request, response, result) -> Void in
 let wellXML = self.wellXMLFormat(result.value!)
 print(wellXML)
}

func wellXMLFormat(result:String)->String{
 return result.stringByReplacingOccurrencesOfString("<!", withString: "<")
 .stringByReplacingOccurrencesOfString(">", withString: ">")
}

override func didReceiveMemoryWarning() {

<PRICE_DATE>2016-01-09T05:00:00+07:00</PRICE_DATE>
<PRODUCT>Blue Gasohol 95</PRODUCT>
<PRICE>23.5</PRICE>
</DataAccess>
<DataAccess>
<PRICE_DATE>2009-10-01T05:00:00+07:00</PRICE_DATE>
<PRODUCT>ที.พี.ที.บี.เอ</PRODUCT>
</DataAccess>
<DataAccess>
<PRICE_DATE>2011-03-01T06:00:00+07:00</PRICE_DATE>
<PRODUCT>Blue Diesel B5</PRODUCT>
</DataAccess>
<DataAccess>
<PRICE_DATE>2016-01-08T05:00:00+07:00</PRICE_DATE>
<PRODUCT>Blue Gasohol E85</PRODUCT>
<PRICE>18.09</PRICE>
</DataAccess>
<DataAccess>
<PRICE_DATE>2016-01-14T05:00:00+07:00</PRICE_DATE>
<PRODUCT>HyForce Premium Diesel</PRODUCT>
<PRICE>22.69</PRICE>
</DataAccess>
</PTT_DS></CurrentOilPriceResult></CurrentOilPriceResponse></soap:Body></soap:Envelope>

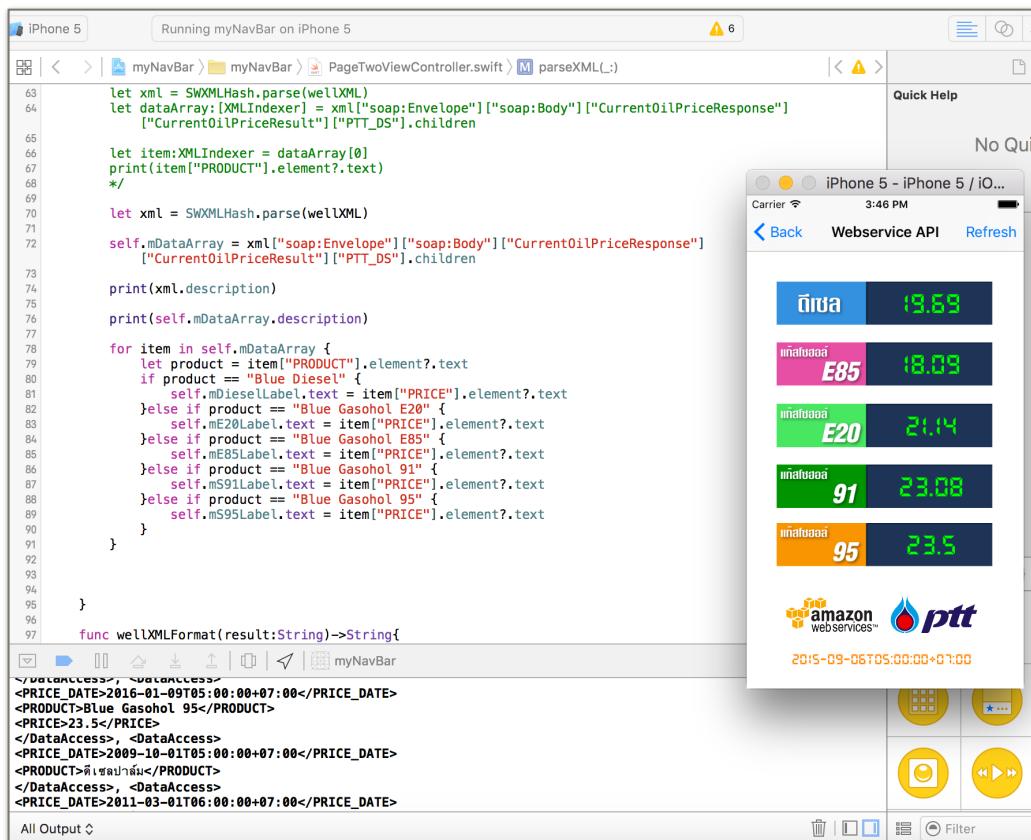
Auto Filter All Output Filter

ดึงข้อมูลราคาน้ำมัน โดย Method parseXML()

```
54
55 func parseXML(wellXML:String){
56
57     /*
58     self.mdataArray = xml["soap:Envelope"]["soap:Body"]["CurrentOilPriceResponse"]
59     ["CurrentOilPriceResult"]["PTT_DS"].children
60     */
61
62     let xml = SwXMLHash.parse(wellXML)
63     let tmp = xml["soap:Envelope"]["soap:Body"]["CurrentOilPriceResponse"]["CurrentOilPriceResult"]
64     ["PTT_DS"].description
65     print(tmp)
66 }
67
68 func wellXMLFormat(result:String) -> String{
69     return result.stringByReplacingOccurrencesOfString("&lt;", withString: "<")
70         .stringByReplacingOccurrencesOfString("&gt;", withString: ">")
71 }
72
73 override func didReceiveMemoryWarning() {
74     super.didReceiveMemoryWarning()
75     // Dispose of any resources that can be recreated.
76 }
```

<PTT_DS>
<DataAccess>
<PRICE_DATE>2016-01-09T05:00:00+07:00</PRICE_DATE>
<PRODUCT>Blue Gasoline 95</PRODUCT>
<PRICE>30.46</PRICE>
</DataAccess>
<DataAccess>
<PRICE_DATE>2015-06-05T05:00:00+07:00</PRICE_DATE>
<PRODUCT>Blue Gasoline 91</PRODUCT>
</DataAccess>
<DataAccess>
<PRICE_DATE>2016-01-14T05:00:00+07:00</PRICE_DATE>
<PRODUCT>Blue Diesel</PRODUCT>
<PRICE>19.69</PRICE>
</DataAccess>
<DataAccess>
<PRICE_DATE>2016-01-09T05:00:00+07:00</PRICE_DATE>
<PRODUCT>Blue Gasohol 91</PRODUCT>
<PRICE>23.08</PRICE>
</DataAccess>

เพิ่มคำสั่งกำหนดค่าให้ UILabel ใน Method parseXML()



```

iPhone 5 | Running myNavBar on iPhone 5
myNavBar > myNavBar > PageTwoViewController.swift | parseXML(_:) | 6
Quick Help | No Quick Help
No Quick Help

63 let xml = SWXMLHash.parse(wellXML)
64 let dataArray:[XMLIndexer] = xml["soap:Envelope"]["soap:Body"]["CurrentOilPriceResponse"]
65 ["CurrentOilPriceResult"]["PTT_DS"].children
66
67 let item:XMLIndexer = dataArray[0]
68 print(item["PRODUCT"].element?.text)
69 */
70
71 let xml = SWXMLHash.parse(wellXML)
72
73 self.mdataArray = xml["soap:Envelope"]["soap:Body"]["CurrentOilPriceResponse"]
74 ["CurrentOilPriceResult"]["PTT_DS"].children
75
76 print(xml.description)
77 print(self.mdataArray.description)
78
79 for item in self.mdataArray {
80     let product = item["PRODUCT"].element?.text
81     if product == "Blue Diesel" {
82         self.mDieselLabel.text = item["PRICE"].element?.text
83     }else if product == "Blue Gasohol E20" {
84         self.mE20Label.text = item["PRICE"].element?.text
85     }else if product == "Blue Gasohol E85" {
86         self.mE85Label.text = item["PRICE"].element?.text
87     }else if product == "Blue Gasohol 91" {
88         self.mS91Label.text = item["PRICE"].element?.text
89     }else if product == "Blue Gasohol 95" {
90         self.mS95Label.text = item["PRICE"].element?.text
91     }
92 }
93
94 }
95
96
97 func wellXMLFormat(result:String) -> String{
    </wellXML></wellXML>
<PRICE_DATE>2016-01-09T05:00:00+07:00</PRICE_DATE>
<PRODUCT>Blue Gasohol 95</PRODUCT>
<PRICE>23.5</PRICE>
</DataAccess>, <DataAccess>
<PRICE_DATE>2009-10-01T05:00:00+07:00</PRICE_DATE>
<PRODUCT>ตี๋ เชลล์</PRODUCT>
<DataAccess>, <DataAccess>
<PRICE_DATE>2011-03-01T06:00:00+07:00</PRICE_DATE>

```

iPhone 5 - iPhone 5 / iOS
Carrier 3:46 PM Back Webservice API Refresh

เบนซิน	19.69
E85	18.09
E20	21.14
91	23.08
95	23.5

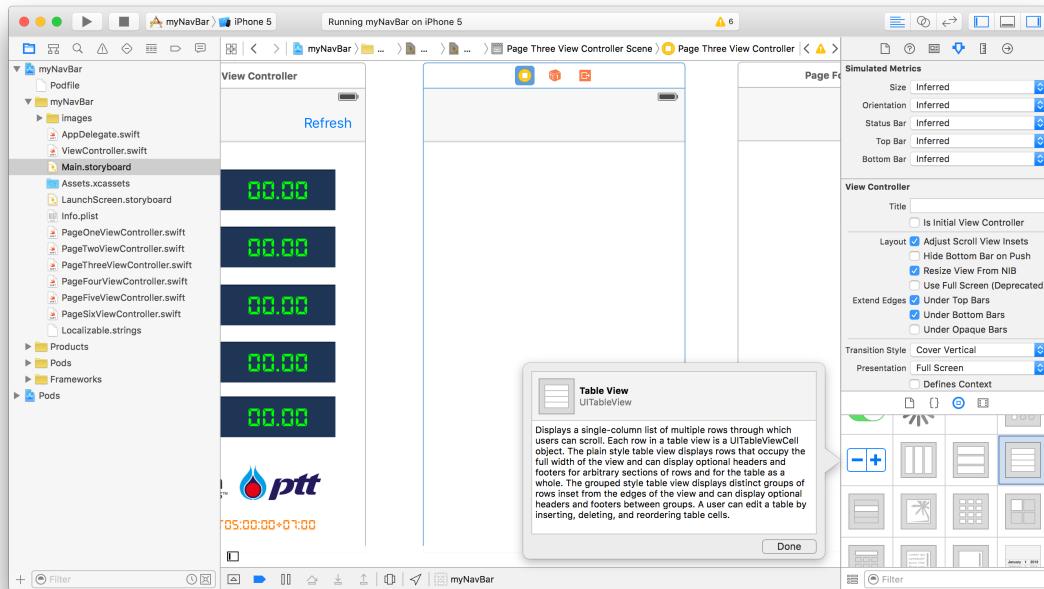
amazon webservices™ ptt
2015-09-06T05:00:00+07:00

All Output ◊

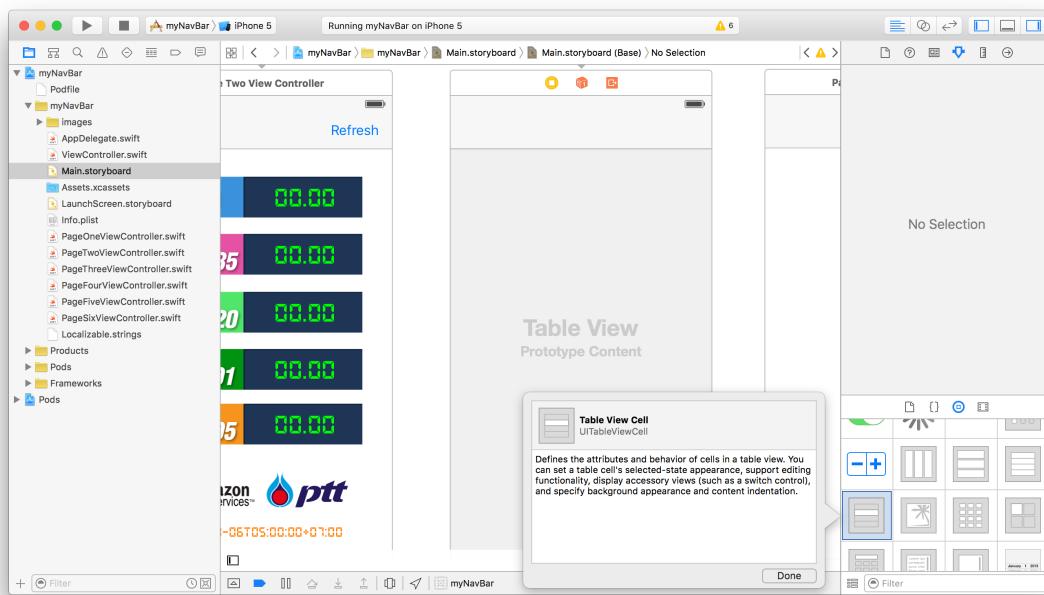
Day two:

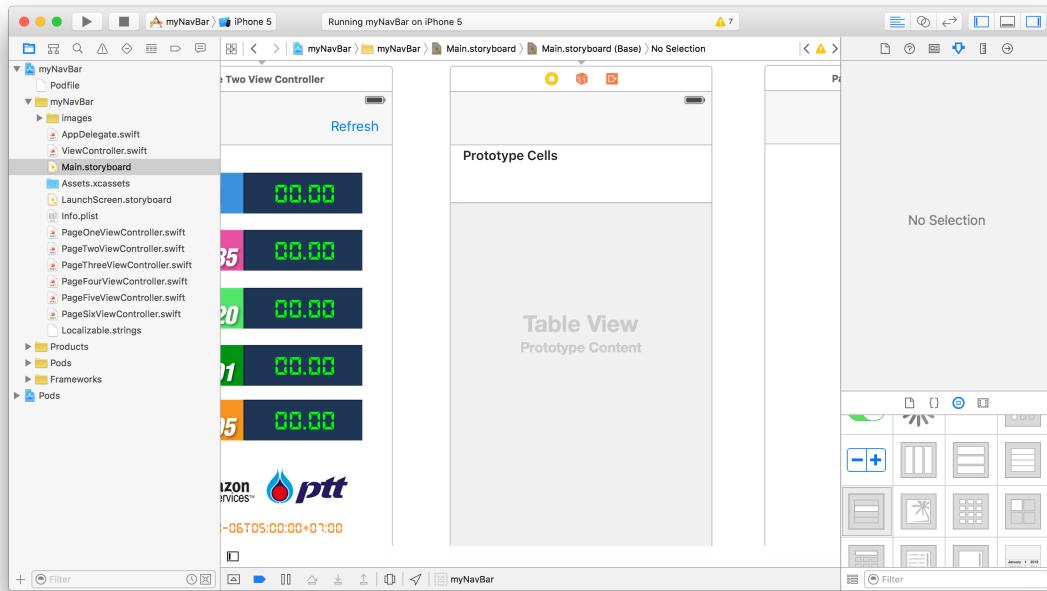
สร้าง UI ของ page 3 - 4

เพิ่ม Table View ใน Page 3

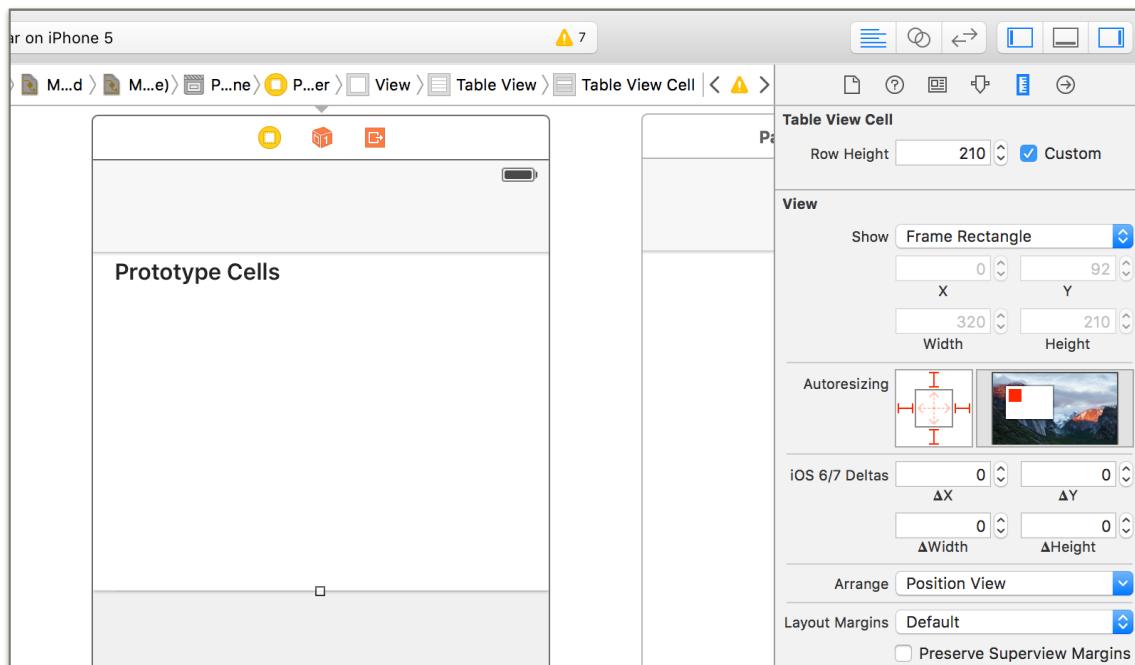


เพิ่ม Table View Cell ภายใต้ Table View

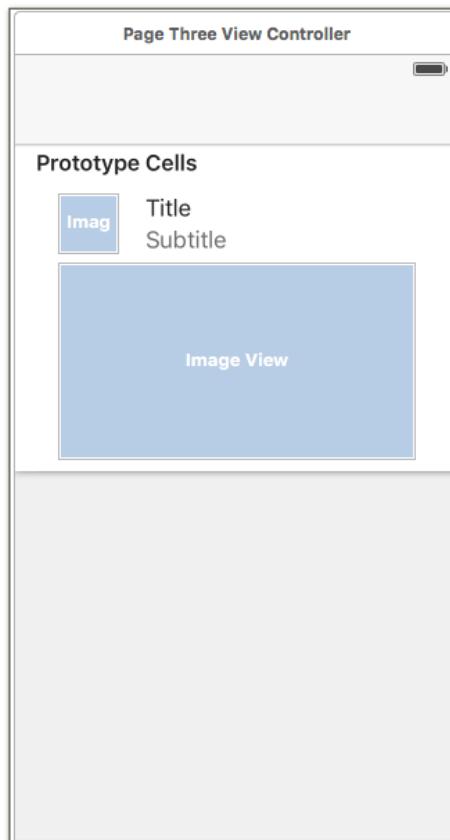
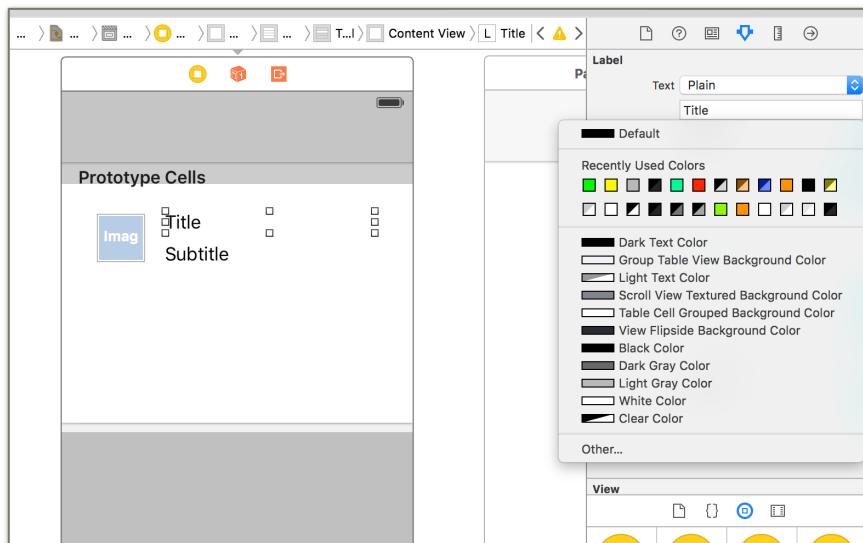




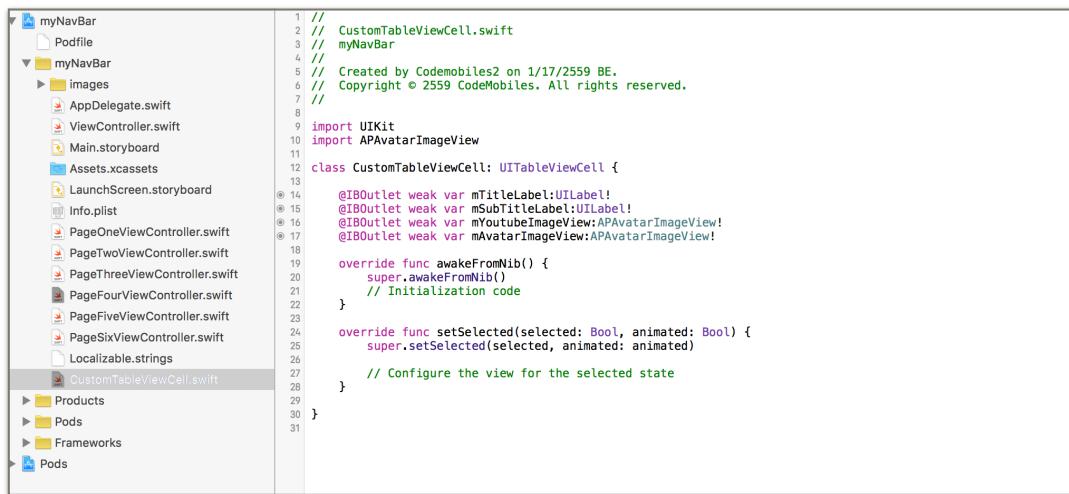
กำหนดขนาด Table View Cell



จัดวาง View ตามตัวอย่าง



การสร้าง CustomLayoutTableViewCell เพื่อรับการแสดงข้อมูล JSON ของ page 3

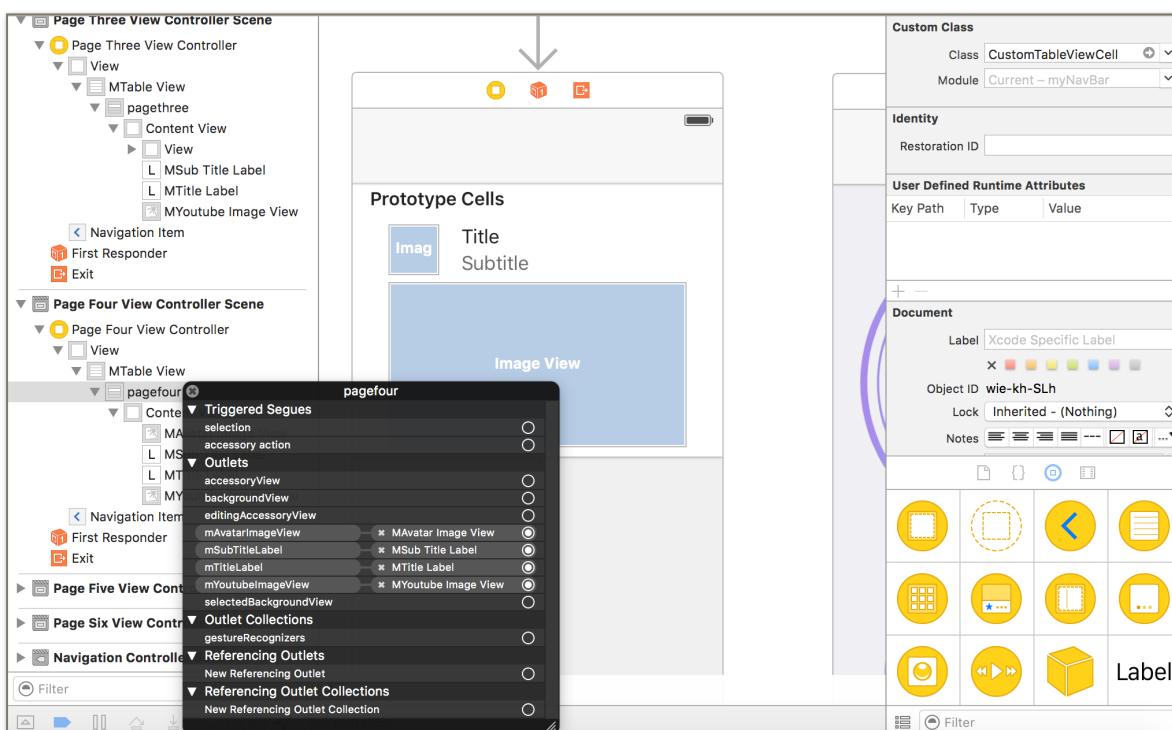


```

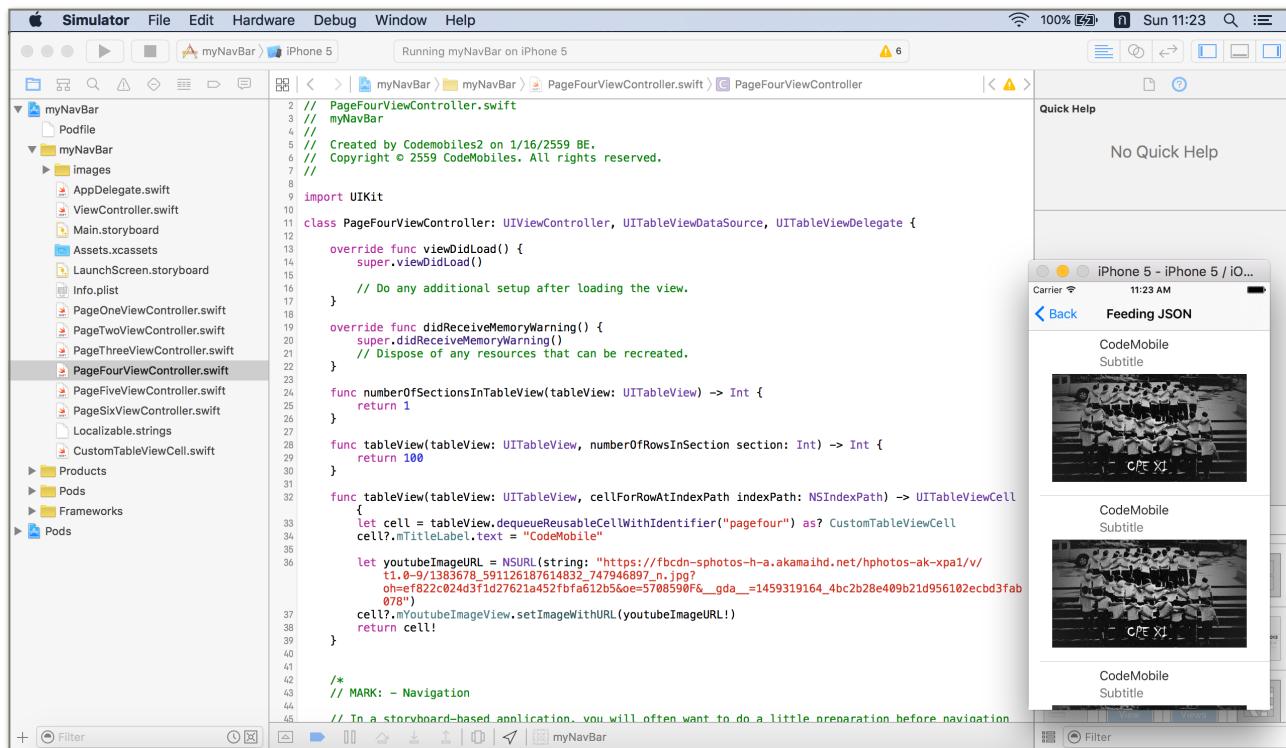
1 // CustomTableViewCell.swift
2 // myNavBar
3 // Created by Codemobiles2 on 1/17/2559 BE.
4 // Copyright © 2559 CodeMobiles. All rights reserved.
5 //
6 import UIKit
7 import APAvatarImage
8
9 class CustomTableViewCell: UITableViewCell {
10
11    @IBOutlet weak var mTitleLabel:UILabel!
12    @IBOutlet weak var mSubTitleLabel:UILabel!
13    @IBOutlet weak var mYoutubeImageView:APAvatarImage!
14    @IBOutlet weak var mAvatarImageView:APAvatarImage!
15
16    override func awakeFromNib() {
17        super.awakeFromNib()
18        // Initialization code
19    }
20
21    override func setSelected(selected: Bool, animated: Bool) {
22        super.setSelected(selected, animated: animated)
23
24        // Configure the view for the selected state
25    }
26
27 }
28
29
30
31

```

เชื่อม Class CustomTableViewCell เข้ากับ Cell และ เชื่อม IBOutlet



เพิ่ม Protocol UITableViewDataSource, UITableViewDelegate และ Method กำหนด Table View Cell



Method ในการโหลดข้อมูล จาก WebService

```
func feedData(){
    let params:[String:String] = ["username":"admin", "password":"password", "type":"foods"]
    let url = "http://codemobiles.com/adhoc/youtubes/index_new.php"
    Alamofire.request(url, method: .post, parameters: params).responseJSON { (responce) in
        switch responce.result {
        case .success:
            //print(responce.result.value)
            let _rawResult = responce.result.value as! [String:Any]
            self.mdataArray = _rawResult["youtubes"] as! [[String:String]]
            self.mTableView.reloadData()

            break
        default: break
        }
    }
}
```

กำหนดค่า view ที่ได้จากการดึงข้อมูล

The screenshot shows the Xcode interface with the code editor open to `PageThreeViewController.swift`. The code uses Alamofire to fetch XML data from a URL and parse it using SWXMLHash. It then populates a UITableView with CustomTableViewCell cells, each containing a title label and a YouTube image view. The simulator window shows a list of recipes like "OnePotChefShow Subtitle", "MagicboxEngSto Subtitle", and "OneFood Subtitle".

```

23     // Do any additional setup after loading the view.
24 }
25
26 func feedData(){
27     let url = "http://codemobiles.com/adhoc/feed/youtube_feed.php"
28     let contentValues:[String:String] = ["type":"xml"]
29
30     Alamofire.request(.POST, url, parameters: contentValues, encoding: .URL, headers: nil)
31         .responseString { (request, response, result) -> Void in
32             //print(result.value!)
33             let xml = SWXMLHash.parse(result.value!)
34             self.mdataArray = xml["youtubes_list"].children
35             print(self.mdataArray.description)
36             self.tableView.reloadData()
37         }
38
39     override func didReceiveMemoryWarning() {
40         super.didReceiveMemoryWarning()
41         // Dispose of any resources that can be recreated.
42     }
43
44     func numberOfSectionsInTableView(tableView: UITableView) -> Int {
45         return 1
46     }
47
48     func tableView(tableView: UITableView, numberOfRowsInSection section: Int) -> Int {
49         return self.mdataArray.count
50     }
51
52     func tableView(tableView: UITableView, cellForRowAtIndexPath indexPath: NSIndexPath) -> UITableViewCell {
53         let cell = tableView.dequeueReusableCellWithIdentifier("pagethree") as? CustomTableViewCell
54
55         let item = self.mdataArray[indexPath.row]
56
57         cell?.mTitleLabel.text = item["title"].element?.text
58
59         let youtubeImageURL = NSURL(string: "https://fbcdn-sphotos-h-a.akamaihd.net/hphotos-ak-xpa1/v/t1.0-9/1383678_591126187614832_747946897_n.jpg?oh=f822c024d3f1d27621a452fbfa612b5&oe=5708590f&_gda_=1459319164_4bc2b28e409b21d956102ecbd3fab078")
60         cell?.mYouTubeImageView.setImageWithURL(youtubeImageURL!)
61         return cell!
62     }
63
64 }

```

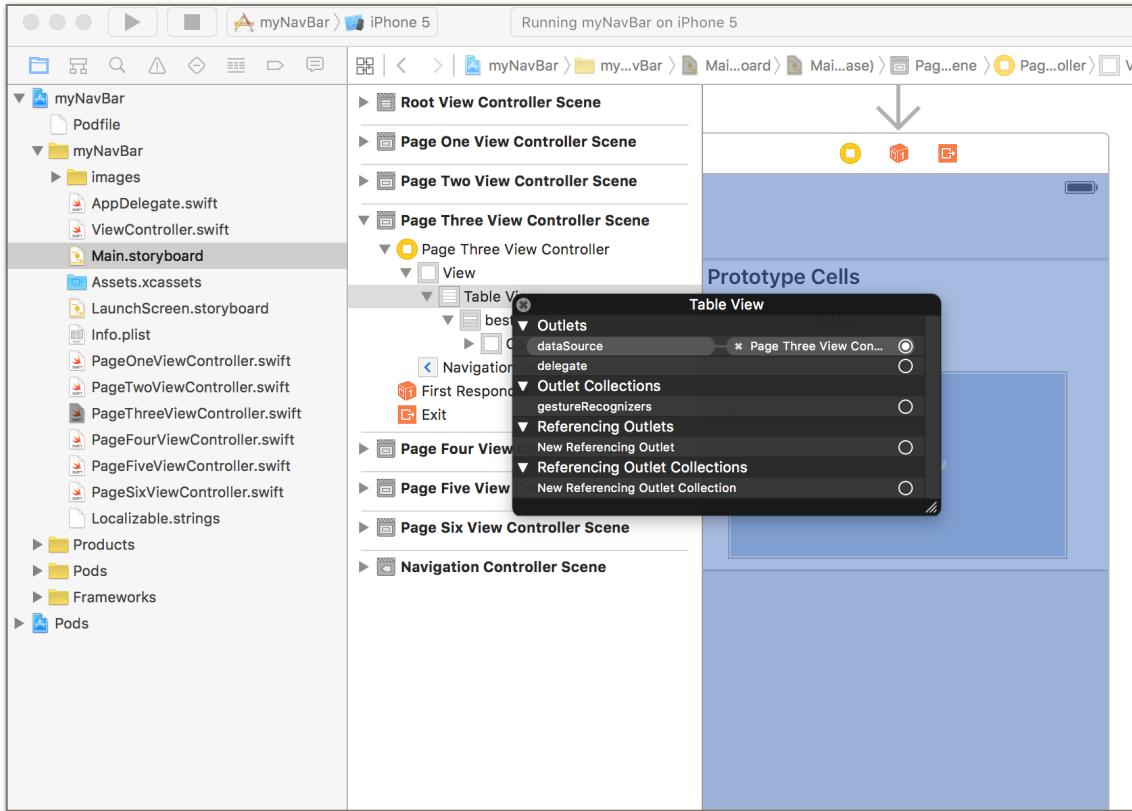
The screenshot shows the Xcode interface with the code editor open to `PageThreeViewController.swift`. The code is similar to the previous one but includes a MARK section for navigation preparation. The simulator window shows a different set of recipes like "OnePotChefShow Easy Chocolate Browni...", "MagicboxEngSto 6 NEW Holiday Ice Cre...", and "OneFood Homemade Chocolate...".

```

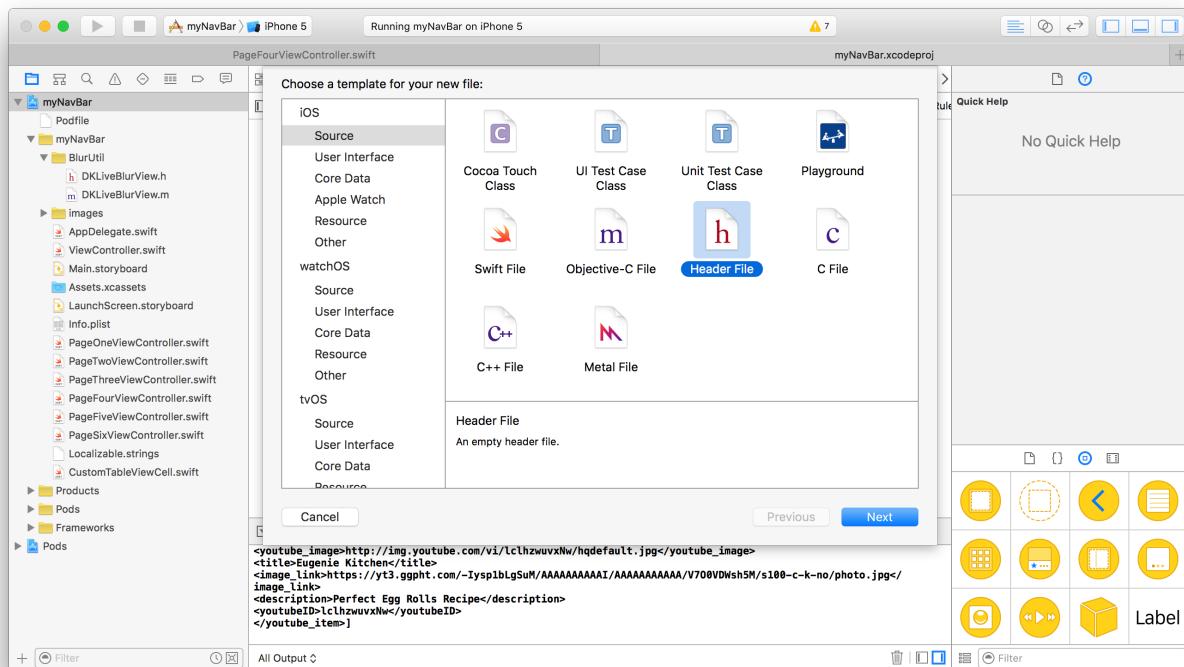
44     func numberOfSectionsInTableView(tableView: UITableView) -> Int {
45         return 1
46     }
47
48     func tableView(tableView: UITableView, numberOfRowsInSection section: Int) -> Int {
49         return self.mdataArray.count
50     }
51
52     func tableView(tableView: UITableView, cellForRowAtIndexPath indexPath: NSIndexPath) -> UITableViewCell {
53         let cell = tableView.dequeueReusableCellWithIdentifier("pagethree") as? CustomTableViewCell
54
55         let item = self.mdataArray[indexPath.row]
56
57         cell?.mTitleLabel.text = item["title"].element?.text
58         cell?.mSubTitleLabel.text = item["description"].element?.text
59
60         let youtubeImage = item["youtube_image"].element?.text
61         let youtubeImageUrl = NSURL(string: youtubeImage!)
62         cell?.mYouTubeImageView.setImageWithURL(youtubeImageUrl!)
63
64         let avatarImage = item["image_link"].element?.text
65         let avatarImageUrl = NSURL(string: avatarImage!)
66         cell?.mAvatarImageView.setImageWithURL(avatarImageUrl!)
67
68         return cell!
69     }
70
71     /*
72     // MARK: - Navigation
73
74     // In a storyboard-based application, you will often want to do a little preparation before navigation
75     override func prepareForSegue(segue: UIStoryboardSegue, sender: AnyObject?) {
76         // Get the new view controller using segue.destinationViewController.
77         // Pass the selected object to the new view controller.
78     }
79 */

```

การเชื่อม dataSource กับ TableView



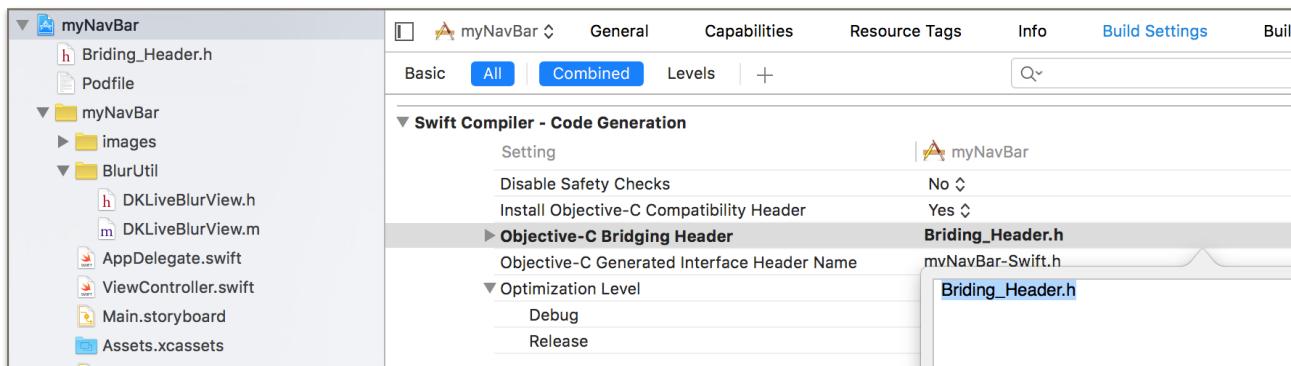
การทำ BlurEffect



```

myNavBar > h Briding_Header.h > No Selection
1 // 
2 // Briding_Header.h
3 // myNavBar
4 //
5 // Created by Codemobiles2 on 1/17/2559 BE.
6 // Copyright © 2559 CodeMobiles. All rights reserved.
7 //
8
9 #ifndef Briding_Header_h
10 #define Briding_Header_h
11
12 #import "DKLiveBlurView.h"
13
14 #endif /* Briding_Header_h */

```



```
// set blur effect
self.backgroundView = DKLiveBlurView()
self.backgroundView.originalImage = UIImage(named: "listview_iphone.png")
self.mTableView.backgroundView = self.backgroundView
```

การตั้งแต่ง UI ของ page 3

The screenshot shows the Xcode interface with the code for `PageThreeViewController.swift`. The code initializes a `DKLiveBlurView` as the background view of the `mTableView`, setting its original image to `"listview_iphone.png"`. To the right, a simulator window displays the application's interface, which features a blurred background and a grid of dessert images.

```

19 var backgroundView:DKLiveBlurView!
20 var refreshControl:UIRefreshControl!
21
22 override func viewDidLoad() {
23     super.viewDidLoad()
24     feedData()
25
26     // set headerview
27     let headerView = UIView()
28     headerView.frame = CGRectMake(0, 0, 1, 270)
29     headerView.backgroundColor = UIColor.clearColor()
30     self.mTableView.tableHeaderView = headerView
31
32     // set blur effect
33     self.backgroundView = DKLiveBlurView()
34     self.backgroundView.originalImage = UIImage(named: "listview_iphone.png")
35     self.mTableView.backgroundView = self.backgroundView
36
37     // set refresh control
38     self.refreshControl = UIRefreshControl()
39     self.refreshControl.addTarget(self, action: Selector("feedData"), forControlEvents: .ValueChanged)
40     self.mTableView.addSubview(self.refreshControl)
41
42     // Do any additional setup after loading the view.
43 }
44
45 override func viewWillAppear(animated: Bool) {
46     self.backgroundView.scrollView = self.mTableView
47 }
48
49 override func viewWillDisappear(animated: Bool) {
50     self.backgroundView.scrollView = nil
51 }
52
53 func feedData(){}

```

ปรับแต่ง UI Page3 ให้สวยงาม ในไฟล์ CustomTableViewCell

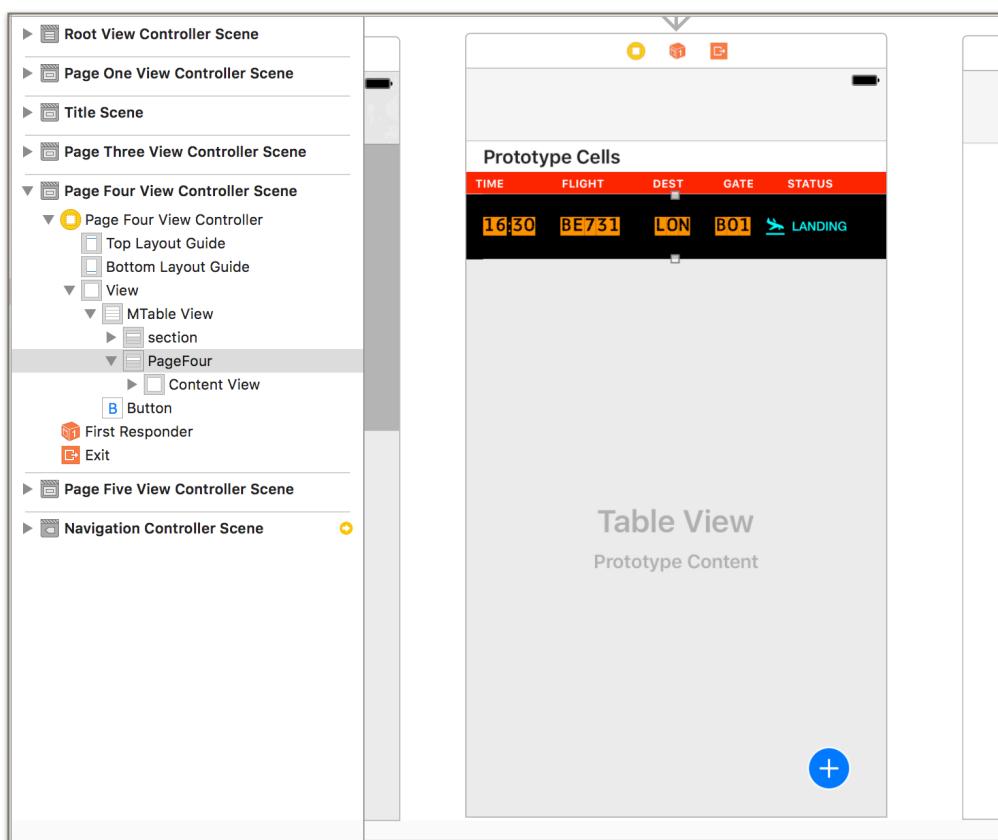
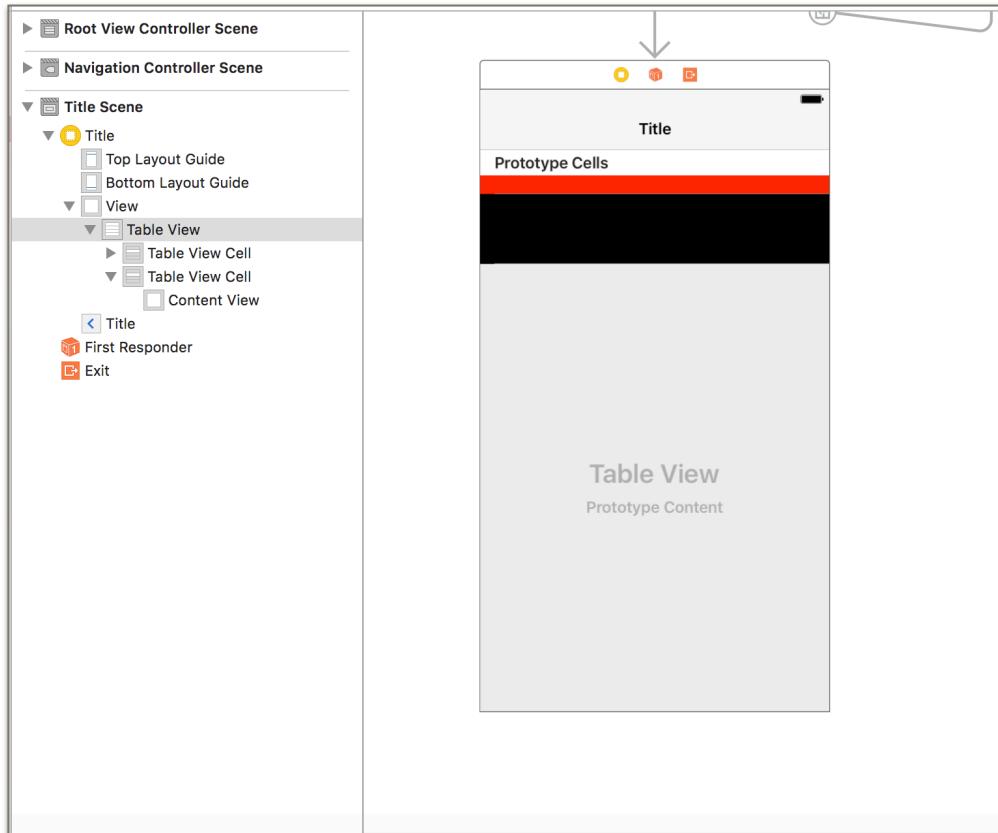
```

override func awakeFromNib() {
    super.awakeFromNib()
    // Initialization code

    self.layer.shadowColor = UIColor.black.cgColor
    self.layer.shadowOffset = CGSize(width: 0.5, height: 0.5)
    self.layer.shadowOpacity = 0.2

    //circle
    self.mAvatarImage.layer.masksToBounds = false
    self.mAvatarImage.clipsToBounds = true
    self.mAvatarImage.layer.borderWidth = 2
    self.mAvatarImage.layer.borderColor = UIColor.red.withAlphaComponent(0.3).cgColor
    self.mAvatarImage.layer.cornerRadius = (self.mAvatarImage.frame.size.width)/2 //set circle
}
```

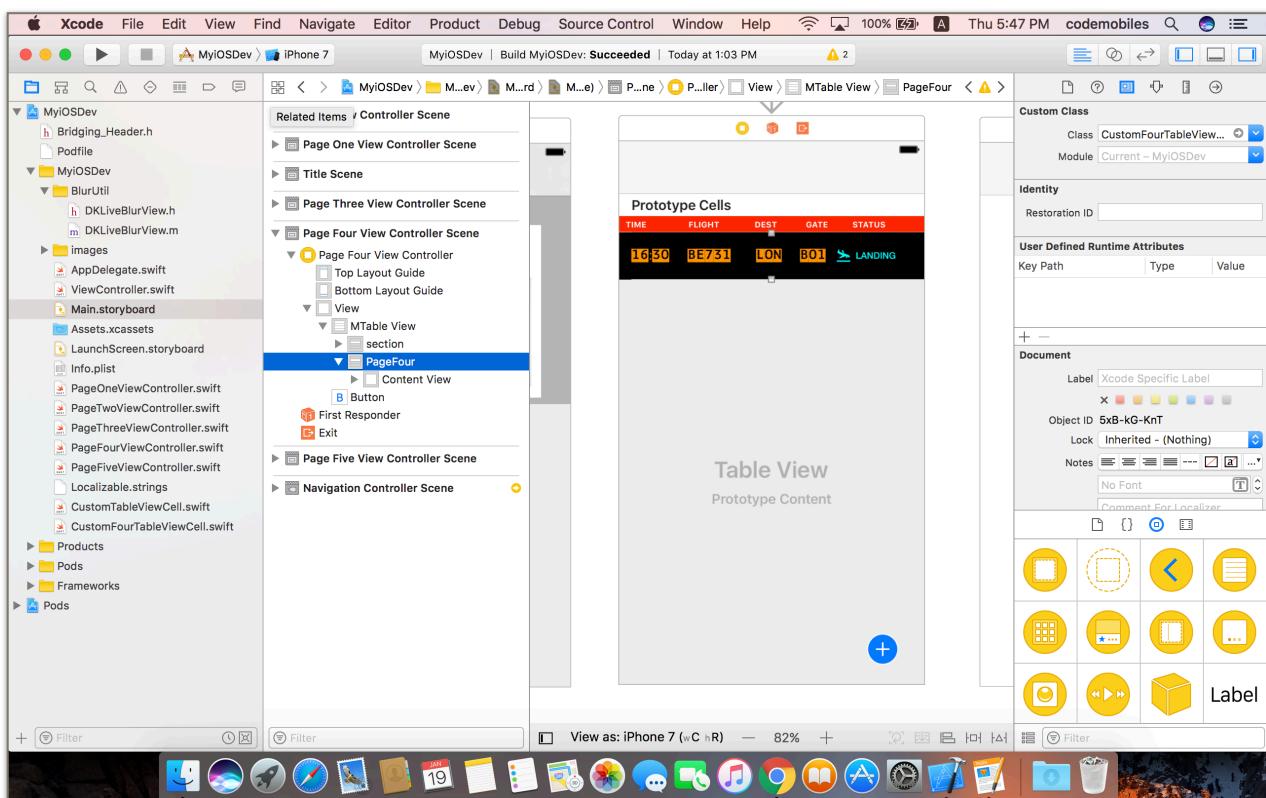
การทำ UI Page 4



สร้างไฟล์ CustomFourTableViewCell เพื่อทำ IBOutlet

```
1 //  
2 //  CustomFourTableViewCell.swift  
3 //  MyiOSDev  
4 //  
5 //  Created by codemobiles on 1/18/2560 BE.  
6 //  Copyright © 2560 oldster. All rights reserved.  
7 //  
8  
9 import UIKit  
10  
11 class CustomFourTableViewCell: UITableViewCell {  
12  
    @IBOutlet weak var mText:UILabel!  
    @IBOutlet weak var mImage:UIImageView!  
    override func awakeFromNib() {  
        super.awakeFromNib()  
        // Initialization code  
    }  
    override func setSelected(_ selected: Bool, animated: Bool) {  
        super.setSelected(selected, animated: animated)  
        // Configure the view for the selected state  
    }  
}
```

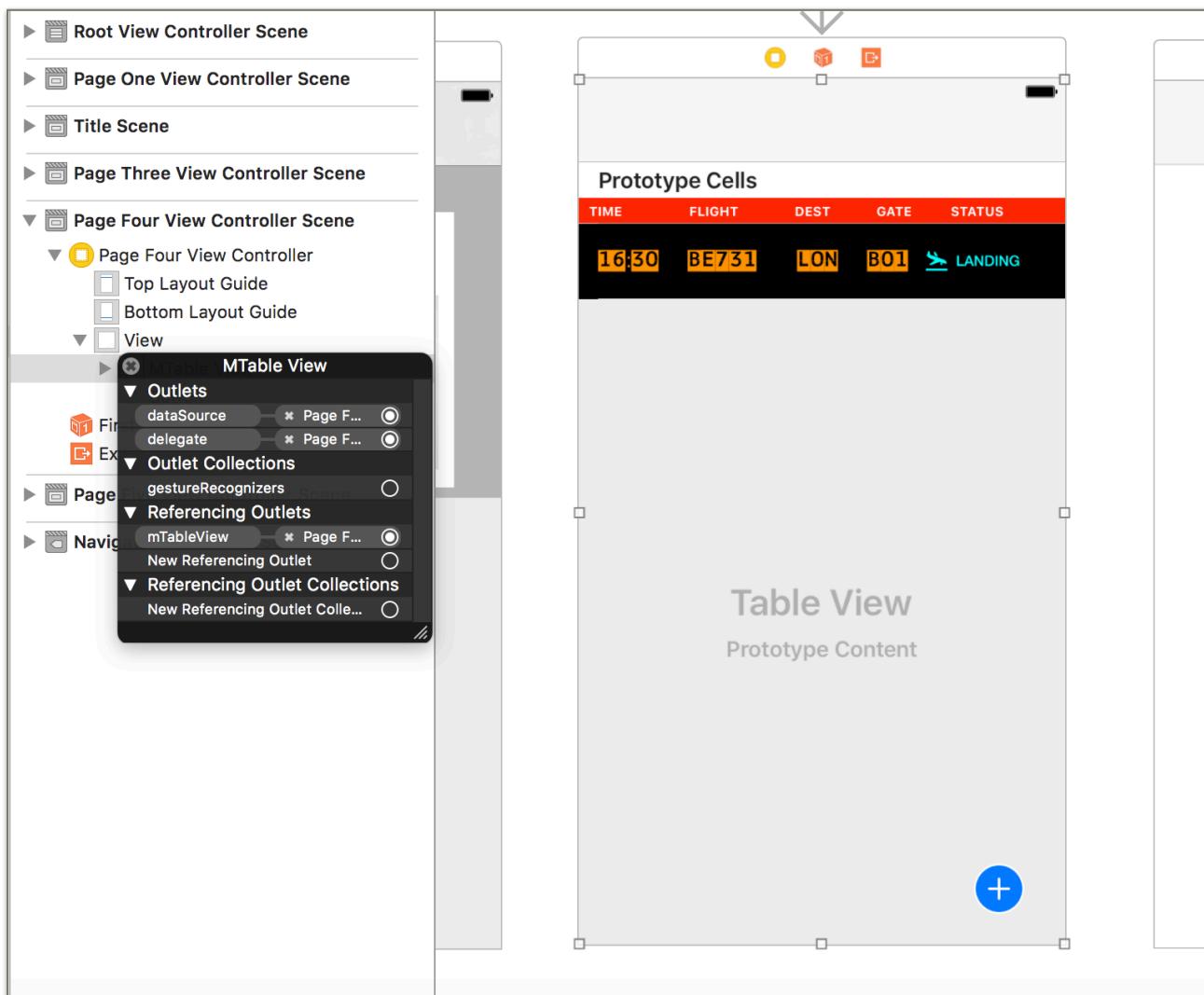
เชื่อม Class CustomFourTableViewCell เข้ากับ Cell



สร้างตัวแปร IBOutlet และ ข้อมูล Array

```
let mFlightDummyArray:[String] =  
[ "07:00    TG102    BKK    A33",  
  "16:30    BE731    LON    B01",  
  "09:45    FR122    FRA    D23",  
  "19:30    AA911    AME    F53",  
  "01:20    CN099    CHA    G22",  
  "12:10    TG233    DEN    A23",  
  "17:40    KR122    LDN    J32",  
  "13:30    JP291    JAN    C04",  
  "20:20    KR001    KOR    D09",  
  "21:10    LU022    SPN    E22",  
  "22:40    TG110    URN    A18"]  
  
@IBOutlet weak var mTableView:UITableView!  
var mDatabase:FMDatabase!  
  
var mDataAraay:[[[String:String]]] = []
```

เชื่อม IBOutlet เข้ากับ Self



เพิ่ม Protocol UITableViewDataSource , UITableViewDelegate

```
class PageFourViewController: UIViewController,UITableViewDataSource,UITableViewDelegate {
```

เรียกใช้ Method สร้าง Table View Cell และ สร้าง Header Table View Cell

```
func numberOfSections(in tableView: UITableView) -> Int {
    return 1
}

func tableView(_ tableView: UITableView, numberOfRowsInSection section: Int) -> Int {
    return self.mDataAraay.count
}

func tableView(_ tableView: UITableView, cellForRowAt indexPath: IndexPath) -> UITableViewCell {
    let cell = tableView.dequeueReusableCell(withIdentifier: "PageFour") as? CustomFourTableViewCell
    let item = self.mDataAraay[indexPath.row]

    cell?.mText.text = item["FIELD_DATA"]
    if indexPath.row % 2 == 1 {
        cell?.mImage.image = UIImage(named: "takeoff_icon.png")
    }else{
        cell?.mImage.image = UIImage(named: "landing_icon.png")
    }
    return cell!
}

//SET Header Height
func tableView(_ tableView: UITableView, heightForHeaderInSection section: Int) -> CGFloat {
    return 20
}

//Create Header Table
func tableView(_ tableView: UITableView, viewForHeaderInSection section: Int) -> UIView? {
    let section = tableView.dequeueReusableCell(withIdentifier: "section")
    // return at contentView
    return section.contentView
}
```

สร้าง Method openDB() เพื่อดึงฐานข้อมูล SQLite มาใช้งาน

```
func openDB(){
    let path = NSSearchPathForDirectoriesInDomains(.documentDirectory, .allDomainsMask, true)[0]
    let dbPath = path + "/data.db"

    let fileManager = FileManager()
    if !fileManager.fileExists(atPath: dbPath){
        // Not File
        // Copy File To SandBox Document
        let orgPath = Bundle.main.path(forResource: "data.db", ofType: nil)

        do{
            try fileManager.copyItem(atPath: orgPath!, toPath: dbPath)
        }catch{
        }
    }

    self.mDatabase = FMDatabase(path: dbPath)
    self.mDatabase.open()

    print(dbPath)

}
```

สร้าง IBAction และ Method query() และ remove()

```
@IBAction func insert(){
    let _randomIndex = Int(arc4random_uniform(10))
    let _dummyData = self.mFlightDummyArray[_randomIndex]
    self.mDatabase.executeUpdate("INSERT INTO FIELDS (FIELD_DATA) VALUES (?)",
                                withArgumentsIn: [_dummyData])

    //query
    self.query()
}

func query(){
    self.mDataAraay.removeAll() //clear data old
    if let rs = self.mDatabase.executeQuery("SELECT ROW, FIELD_DATA FROM FIELDS ORDER BY ROW DESC",
                                            withArgumentsIn: nil){

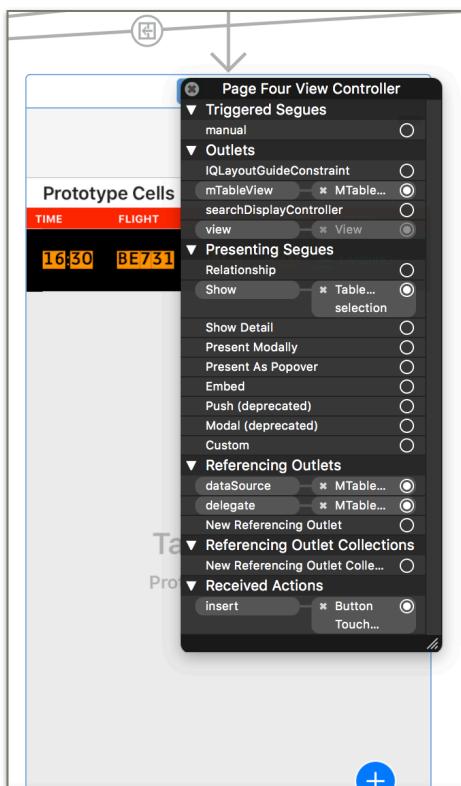
        while rs.next() {
            let data_rowID = rs.int(forColumn: "ROW")
            let data_field_data = rs.string(forColumn: "FIELD_DATA")

            let item:[String:String] = ["ROW":String(data_rowID), "FIELD_DATA":data_field_data!]
            //let item:[String:String] = ["ROW":String(data_rowID), "FIELD_DATA":data_field_data!]
            self.mDataAraay.append(item)

        }
        self.mTableView.reloadData()
    }
}

func remove(_ rowId:String){
    self.mDatabase.executeUpdate("DELETE FROM FIELDS WHERE ROW = ?", withArgumentsIn: [rowId])
    self.query()
}
```

เชื่อมโยง IBAction insert เข้ากับปุ่มเพิ่มข้อมูล



เรียกใช้ Method openDB() และ query() เพื่อโหลดข้อมูลมาแสดง

```
override func viewDidLoad() {
    super.viewDidLoad()
    //Add btn Right ActionBar
    self.navigationItem.rightBarButtonItem = self.editButtonItem

    self.openDB()
    self.query()

    // Do any additional setup after loading the view.
}
```

สร้าง Method Callback เพื่อตรวจสอบการคลิกลบข้อมูล และ ยกเลิกการเรียกใช้งาน SQLite

```
//DELETE CELL DATABASE
func tableView(_ tableView: UITableView, commit editingStyle: UITableViewCellEditingStyle, forRowAt indexPath: IndexPath) {
    if editingStyle == .delete{
        let rowID = self.mDataAraay[indexPath.row]["ROW"]
        self.remove(rowID!)
    }
}

override func viewDidDisappear(_ animated: Bool) {
    self.mDatabase.close()
}
```

Day three:

การทำ ImagePicker ของ page 5
สร้างตัวแปร IBOutlet และ IBAction และเชื่อมโยงเข้ากับ UI

```

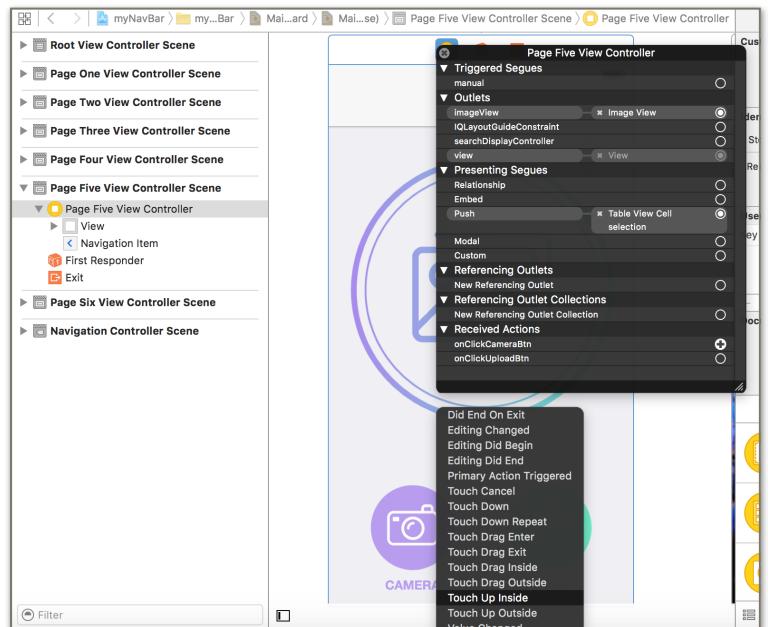
myNavBar
└ Bridging_Header.h
Podfile
myNavBar
└ images
    └ DKLiveBlurView.h
    └ DKLiveBlurView.m
    └ AppDelegate.swift
    └ ViewController.swift
    └ Main.storyboard
    └ Assets.xcassets
    └ LaunchScreen.storyboard
    └ Info.plist
    └ PageOneViewController.swift
    └ PageTwoViewController.swift
    └ PageThreeViewController.swift
    └ PageFourViewController.swift
    └ PageFiveViewController.swift
    └ PageSixViewController.swift
    └ Localizable.strings
    └ CustomTableViewCell.swift
Products
└ Pods
└ Frameworks

```

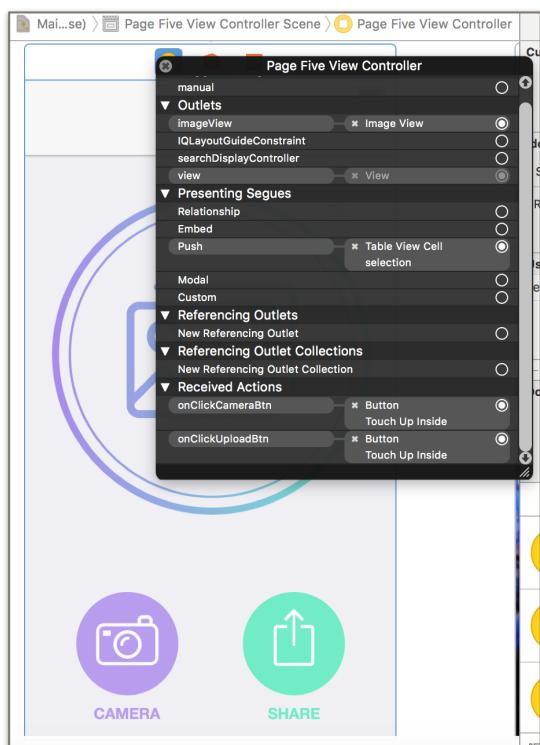
```

1 // PageFiveViewController.swift
2 // myNavBar
3 //
4 // Created by Codemobiles2 on 1/16/2559 BE.
5 // Copyright © 2559 CodeMobiles. All rights reserved.
6 //
7 //
8 import UIKit
9
10 class PageFiveViewController: UIViewController {
11
12     @IBOutlet weak var imageView: UIImageView
13
14     @IBAction func onClickCameraBtn() {
15
16     }
17
18     @IBAction func onClickUploadBtn() {
19
20     }
21
22     override func viewDidLoad() {
23         super.viewDidLoad()
24
25         // Do any additional setup after loading the view.
26     }
27
28     override func didReceiveMemoryWarning() {
29         super.didReceiveMemoryWarning()
30
31         // Dispose of any resources that can be recreated.
32     }
33
34
35     /* MARK: - Navigation
36
37     // In a storyboard-based application, you will often want to do
38     // override func prepareForSegue(segue: UIStoryboardSegue, sender:
39     //     Get the new view controller using segue.destinationViewController.
40     //     Pass the selected object to the new view controller.
41     */
42
43
44 }
45
46

```



ทดสอบการคลิกปุ่ม โดยคำสั่ง print()



```

1 // PageFiveViewController.swift
2 // myNavBar
3 //
4 // Created by Codemobiles2 on 1/16/2559 BE.
5 // Copyright © 2559 CodeMobiles. All rights reserved.
6 //
7 //
8 import UIKit
9
10 class PageFiveViewController: UIViewController {
11
12     @IBOutlet weak var imageView: UIImageView!
13
14     @IBAction func onClickCameraBtn() {
15         print("onClickCameraBtn")
16     }
17
18     @IBAction func onClickUploadBtn() {
19         print("onClickUploadBtn")
20     }
21
22     override func viewDidLoad() {
23         super.viewDidLoad()
24
25         // Do any additional setup after loading the view.
26     }
27
28
29     override func didReceiveMemoryWarning() {
30         super.didReceiveMemoryWarning()
31
32         // Dispose of any resources that can be recreated.
33     }
34
35

```

The screenshot shows the Xcode interface with the code for PageFiveViewController.swift. The code includes print statements for the button actions. To the right, the iPhone 5 simulator is running, showing the "Upload Image" screen with a camera icon and a share icon. The status bar indicates "iPhone 5 - iPhone 5 / iOS 9.2.1" and the time "9:29 AM".

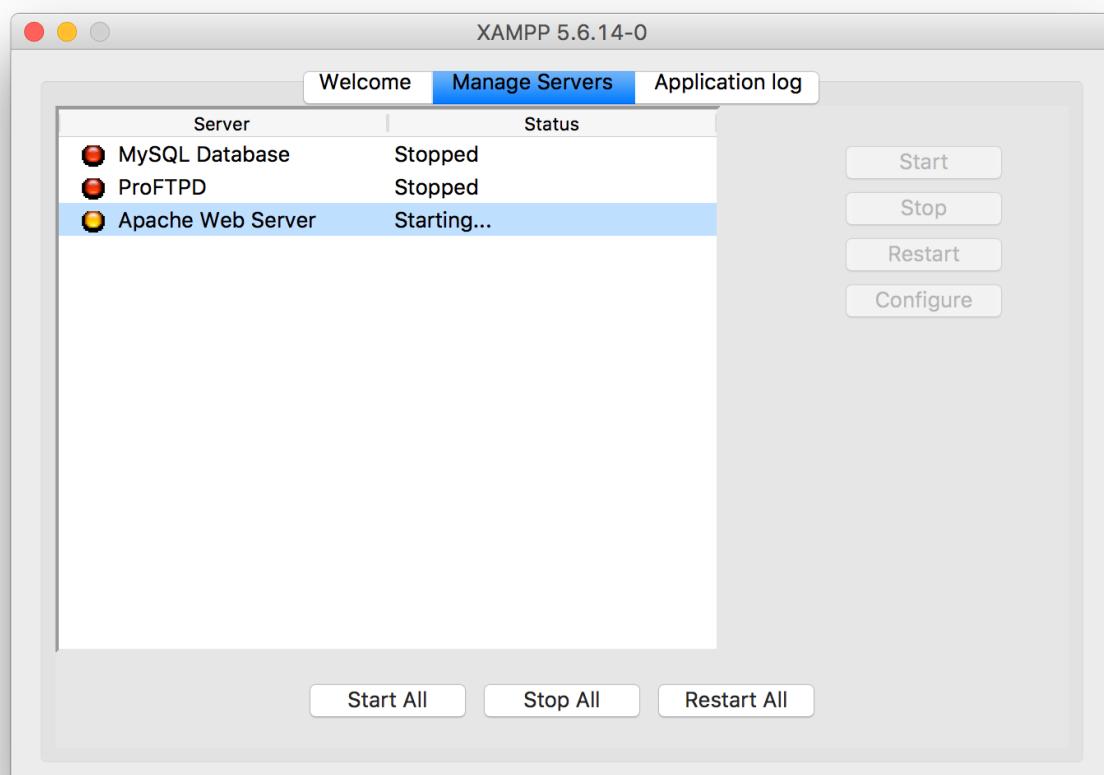
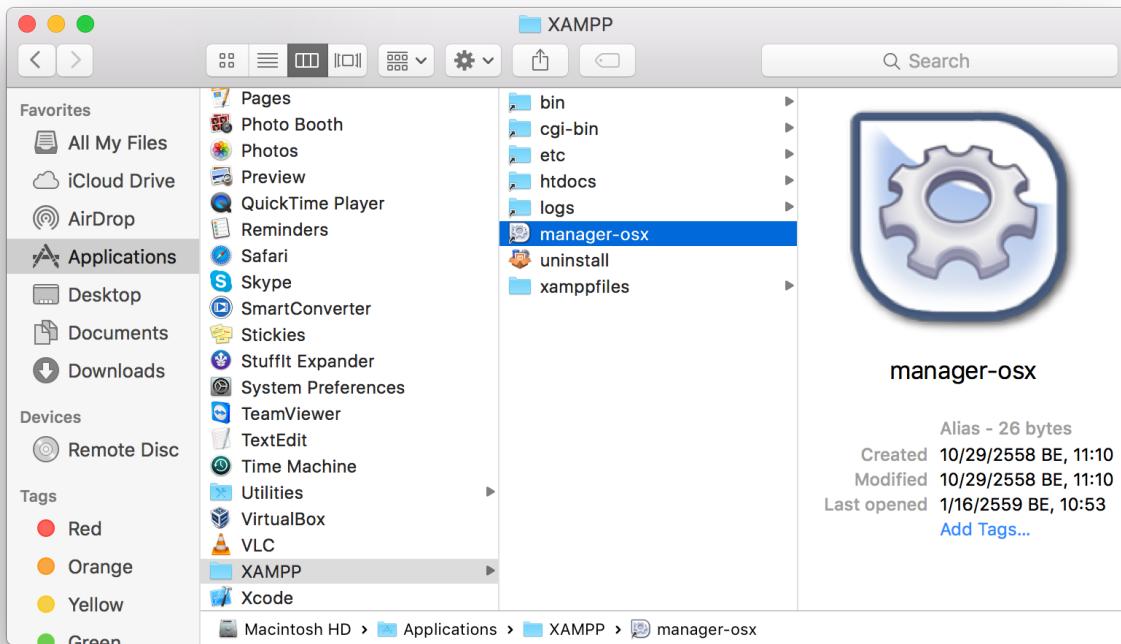
เพิ่มคำสั่ง เพื่อดึงรูปภาพจากแกลลอรี่ และแสดงรูปภาพที่ถูกเลือก

```
9 import UIKit
10 import Alamofire
11
12 class PageFiveViewController: UIViewController, UIImagePickerControllerDelegate, UINavigationControllerDelegate {
13     var mImagePickerController: UIImagePickerController!
14     @IBOutlet weak var mImageView: UIImageView!
15
16     override func viewDidLoad() {
17         super.viewDidLoad()
18         self.mImagePickerController = UIImagePickerController() //same "new method" java
19         self.mImagePickerController.sourceType = .photoLibrary
20         self.mImagePickerController.delegate = self
21
22         // Do any additional setup after loading the view.
23     }
24
25     func imagePickerController(_ picker: UIImagePickerController, didFinishPickingMediaWithInfo info: [String : Any]) {
26         let selectedImage = info[UIImagePickerControllerOriginalImage] as! UIImage
27         self.mImageView.layer.cornerRadius = (self.mImageView.frame.width)/2
28         self.mImageView.image = selectedImage
29         self.mImagePickerController.dismiss(animated: true, completion: nil)
30     }
31
32
33     @IBAction func onClickCamera(){
34         self.present(self.mImagePickerController, animated: true, completion: nil)
35     }
36 }
```

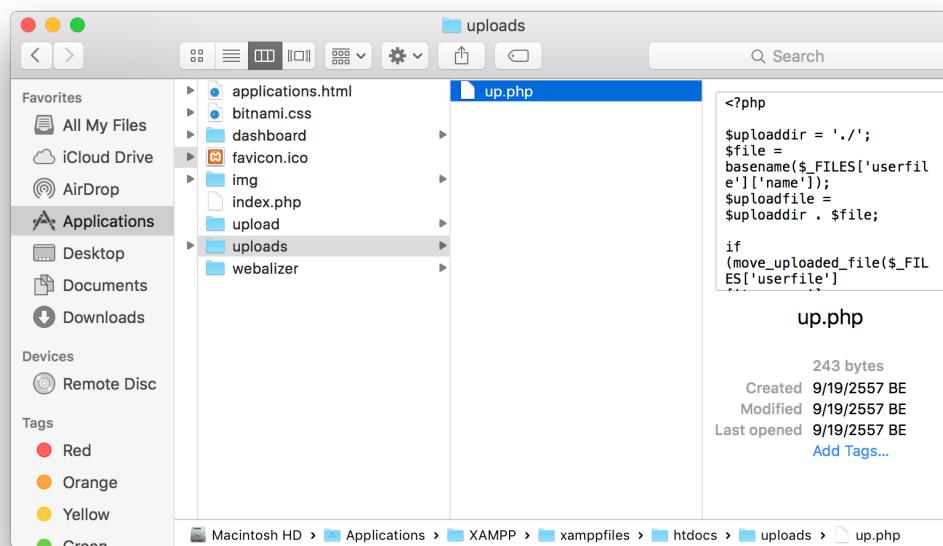
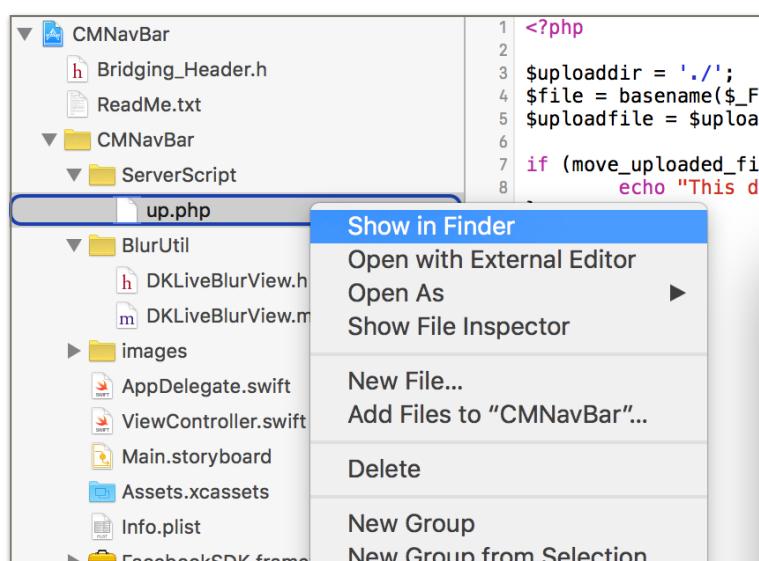
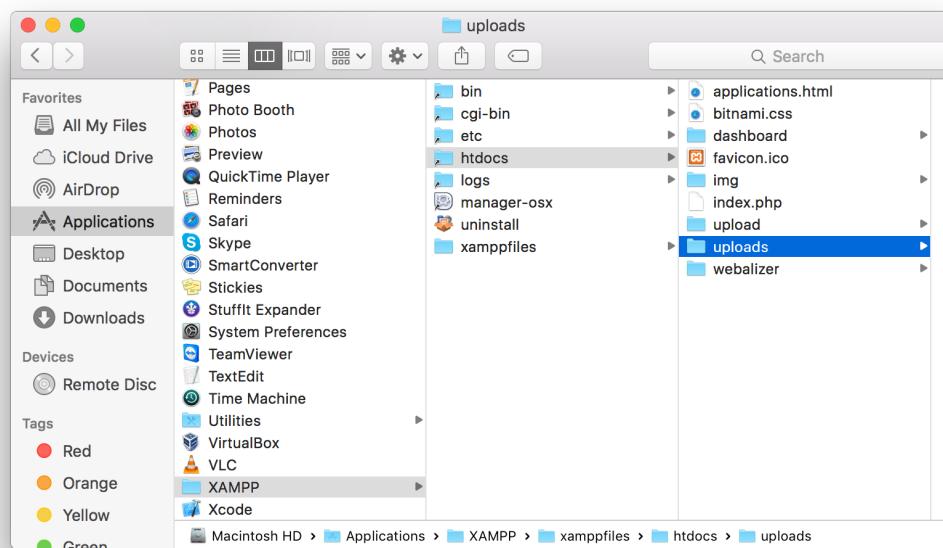
เพิ่มคำสั่งในการอัปโหลดรูปภาพ

```
37
38     @IBAction func onClickUpload(){
39         let image = UIImageJPEGRepresentation(self.mImageView.image!, 0.8)
40         let name = "\u{arc4random}.jpeg"
41         self.uploadFile(url:"http://192.168.0.31/uploads/up.php", data:image!, fileName:name)
42     }
43
44
45     func uploadFile(url:String, data:Data, fileName:String){
46
47         let parameter = ["username":"admin", "password":"1234"]
48         Alamofire.upload(multipartFormData: { MultipartFormData in
49             MultipartFormData.append(data, withName: "userfile", fileName: fileName, mimeType: "image/jpg")
50             for(key,value) in parameter{
51                 MultipartFormData.append(value.data(using: .utf8)!, withName: key)
52             }
53         }, to: url, method: .post) { encodingResult in
54             switch encodingResult{
55                 case .success(let upload, _, _):
56                     upload.responseString(completionHandler: { (response) in
57                         switch response.result {
58                             case .success:
59                                 //self.showAlert(responseMsg: response.result.value!)
60                                 self.showAlertWithCloseOutSideEnable(responseMsg: response.result.value!)
61                             break
62
63                             case .failure:
64                                 print("failure")
65                             break
66                         }
67                     })
68                     break
69                 case .failure:
70                     print("failure")
71                     break
72             }
73         }
74
75         func showAlertWithCloseOutSideEnable(responseMsg msg:String){
76             let alertVC = UIAlertController(title: "Response", message: msg, preferredStyle: .actionSheet)
77             alertVC.addAction(UIAlertAction(title: "CLOSE", style: .cancel, handler: nil))
78             alertVC.addAction(UIAlertAction(title: "RE-TRY", style: .default, handler: { (alert) in
79                 print("Retry")
80             }))
81
82
83             self.present(alertVC, animated: true, completion: nil)
84         }
85     }
```

การทำ UploadImage ของ page 5



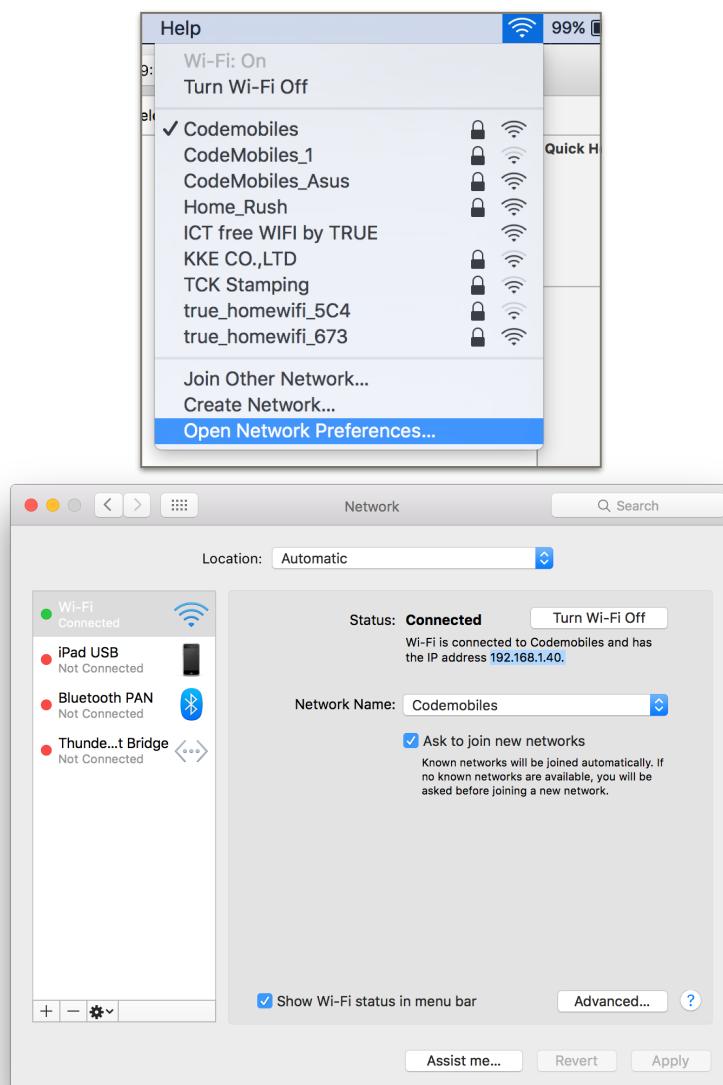
สร้าง Folder ที่ XAMPP > htdocs > Folder uploads และขยายนไฟล์ชื่อ up.php ไปไว้ใน Folder uploads



ให้สิทธ์ในการ เขียนไฟล์

```
Last login: Sat Jan 23 09:14:10 on console
[CodeMobiles-MacBook-Pro-2:~ codemobiles2$ chmod 777 /Applications/XAMPP/xamppfiles]
[les/htdocs/uploads/up.php
CodeMobiles-MacBook-Pro-2:~ codemobiles2$ ]
```

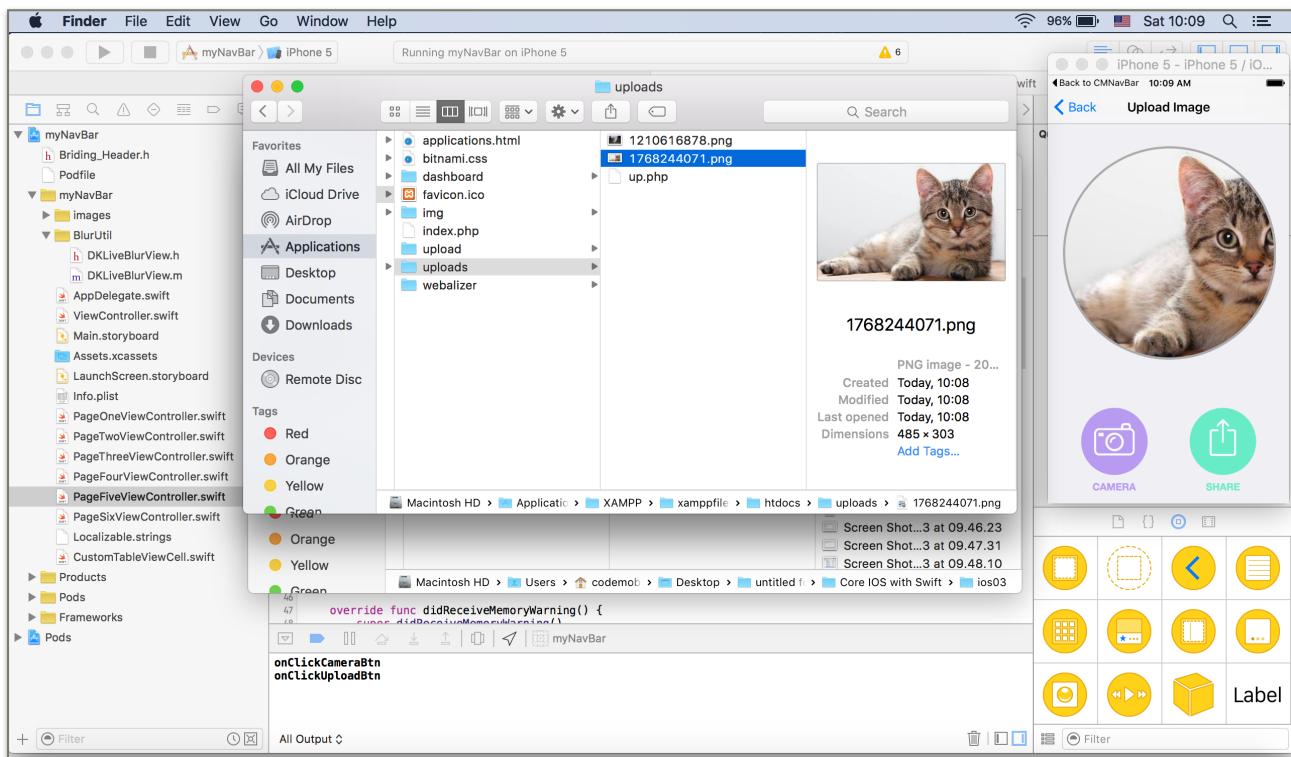
ตรวจสอบ IP Address เครื่องเพื่อใช้ในการอัพโหลดรูปภาพ



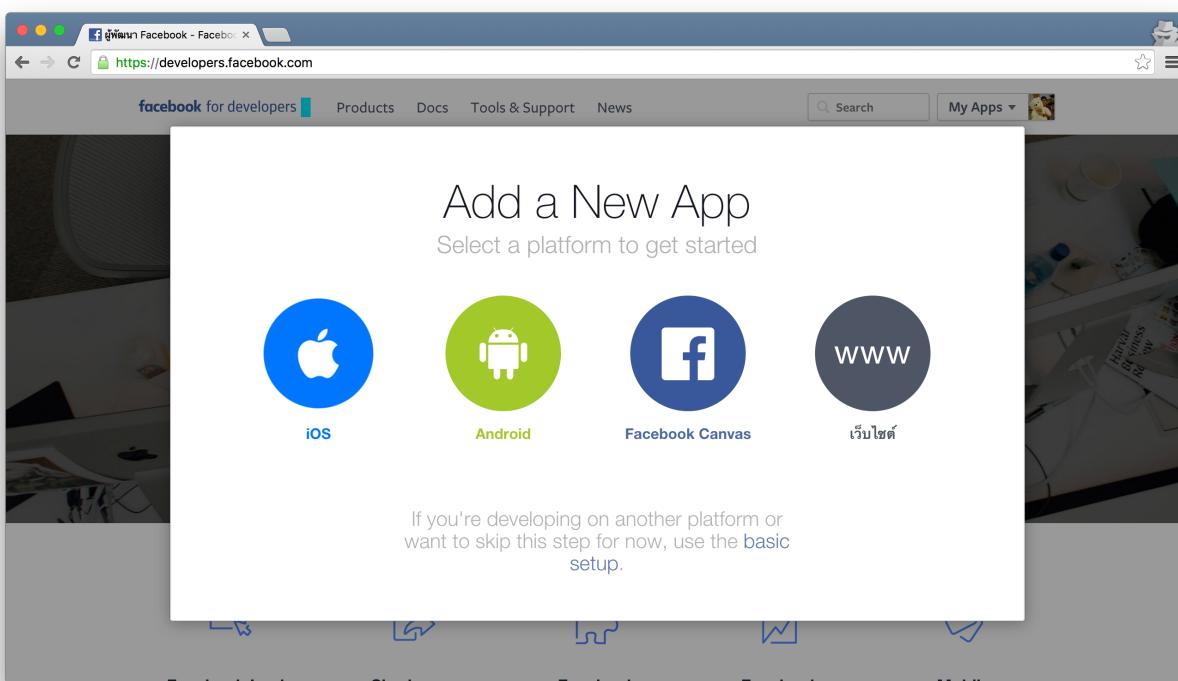
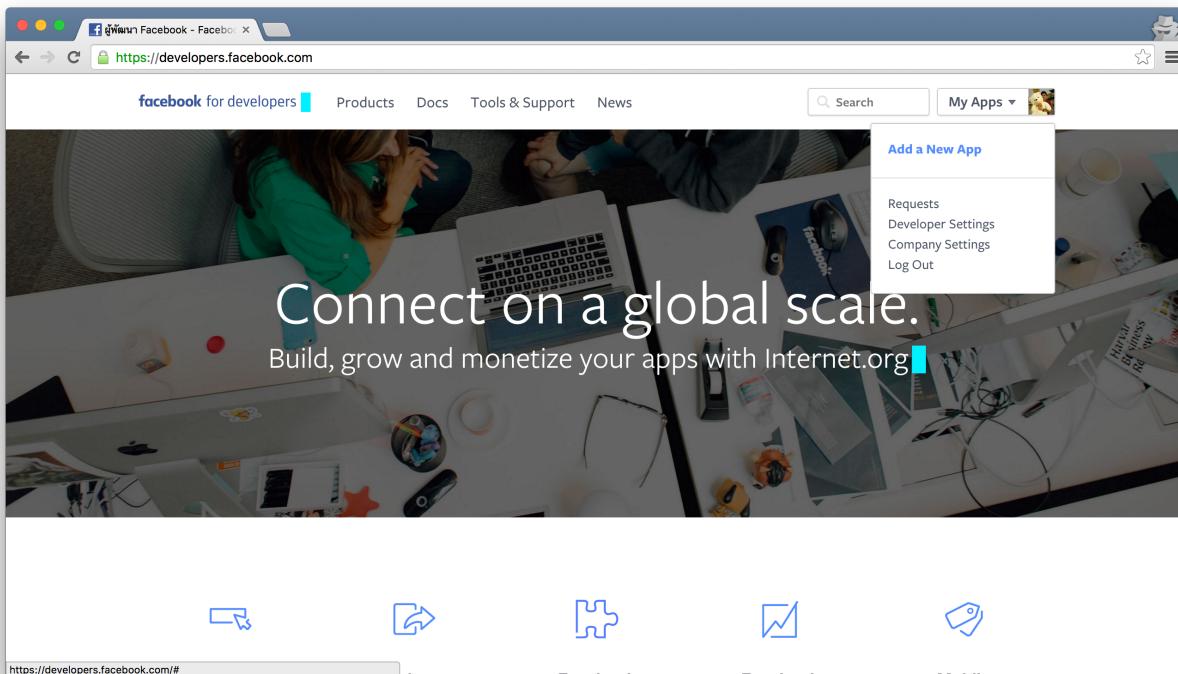
เปลี่ยน IP Address

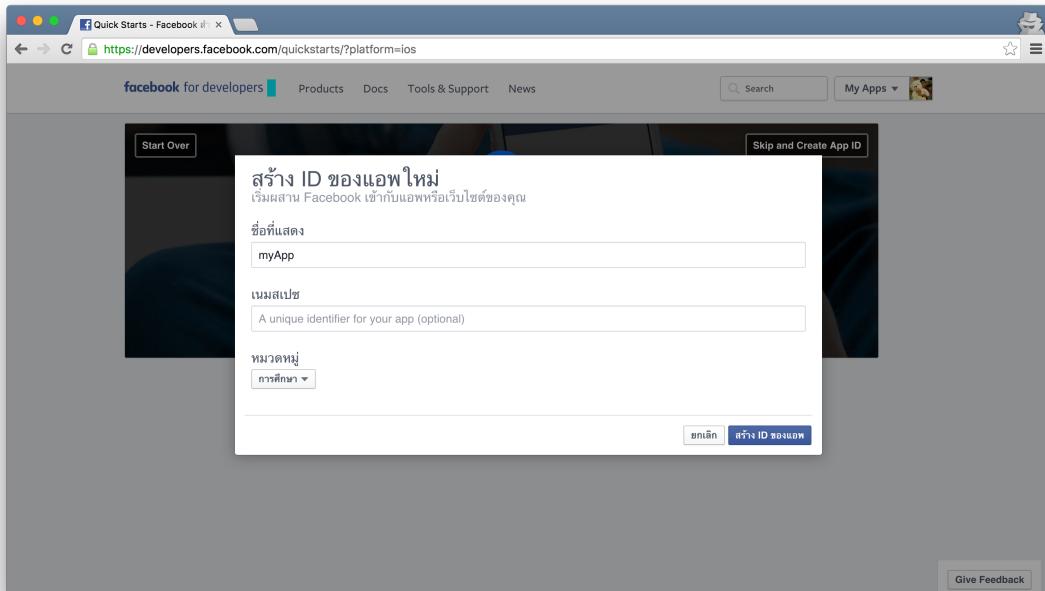
```
@IBAction func onClickUpload(){
    let image = UIImageJPEGRepresentation(self.mImageView.image!, 0.8)
    let name = "\u{arc4random()}.jpeg"
    self.uploadFile(url:"http://192.168.0.31/uploads/up.php", data:image!, fileName:name)
}
```

เมื่ออัพโหลดสำเร็จ รูปภาพจะอยู่ใน Folder uploads



การเขื่อมต่อ กับ Account Facebook ของ page 6





facebook - MyApp - Facebook မှတ်ယူ

https://developers.facebook.com/apps/1999351603622341/

facebook for developers Products Docs Tools & Support News Search My Apps

Dashboard

myApp

This app is in development mode and can only be used by app admins, developers and testers [?]

App ID: 1999351603622341 API Version: v2.5 App Secret: [REDACTED] Show

Get Started with the Facebook SDK

Use our quick start guides to set up the Facebook SDK for your iOS or Android app, Canvas game or website. Choose a Platform

Facebook Analytics for Apps

Get Analytics and Trends

Use Facebook Analytics for Apps to understand how people are using your iOS, Android or Canvas app. Try It Now

Facebook Login

facebook - MyApp - Facebook မှတ်ယူ

https://developers.facebook.com/apps/1999351603622341/settings/

facebook for developers Products Docs Tools & Support News Search My Apps

Basic Advanced Migrations

App ID: 1999351603622341 App Secret: [REDACTED] Show

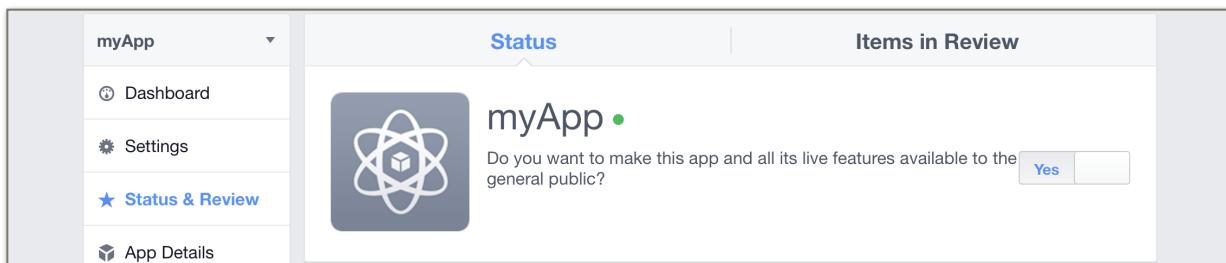
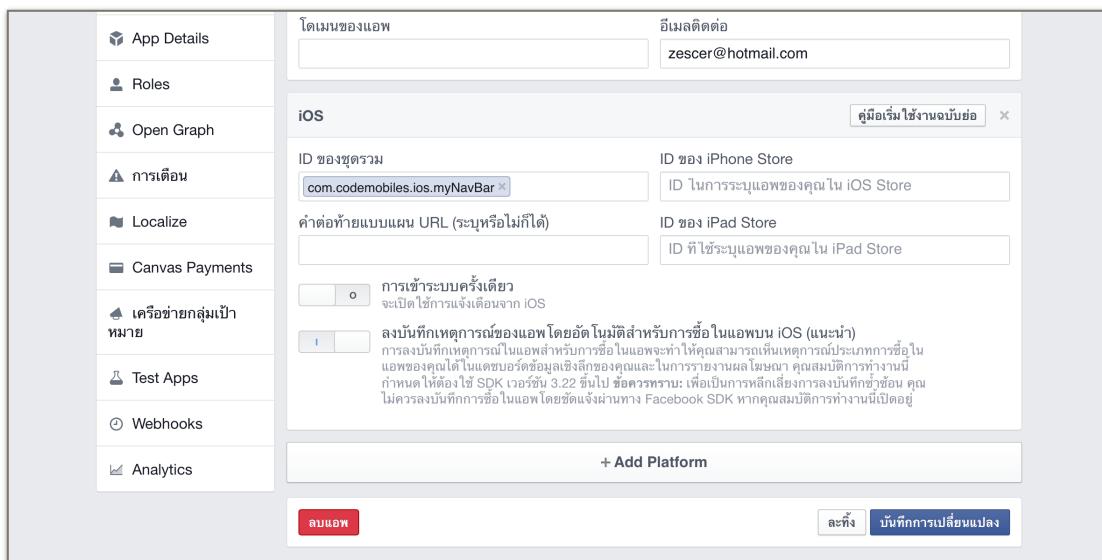
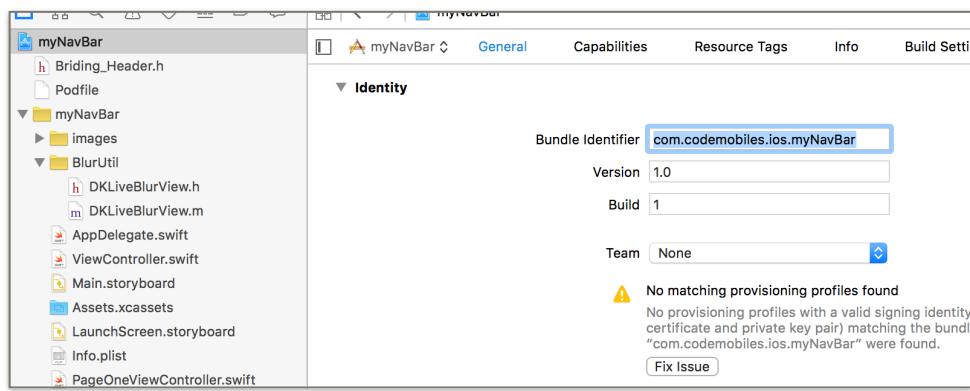
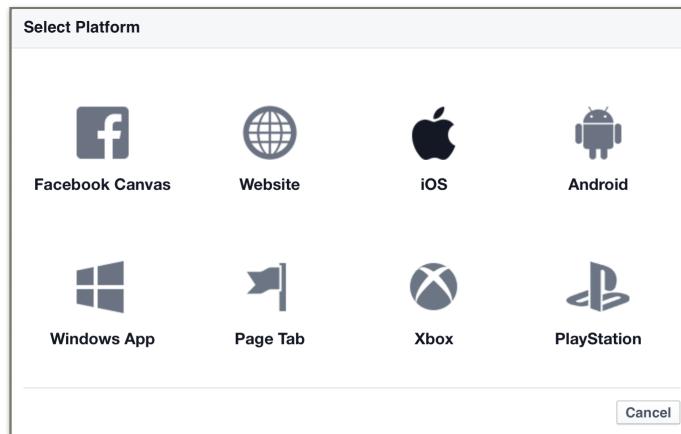
Display Name: myApp Namespace:

App Domains: Contact Email: Used for important communication about your app

+ Add Platform

Delete App Discard Save Changes

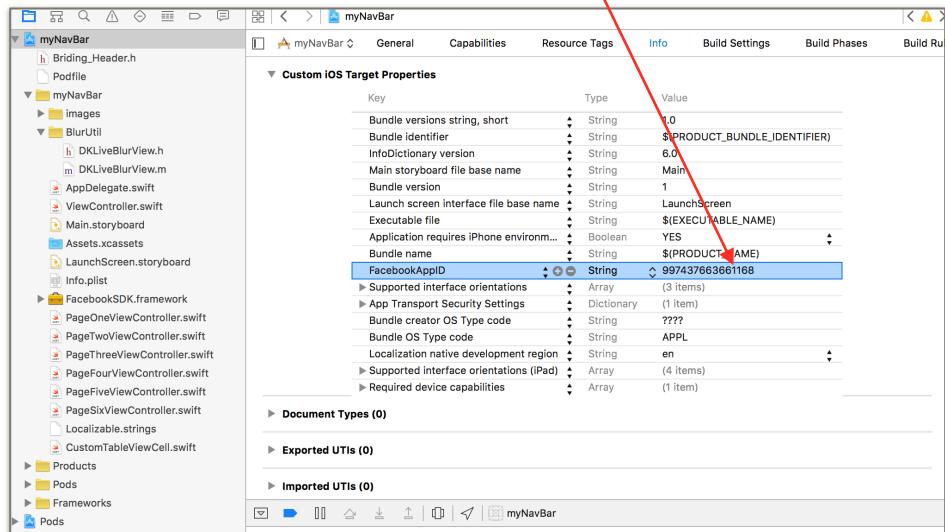
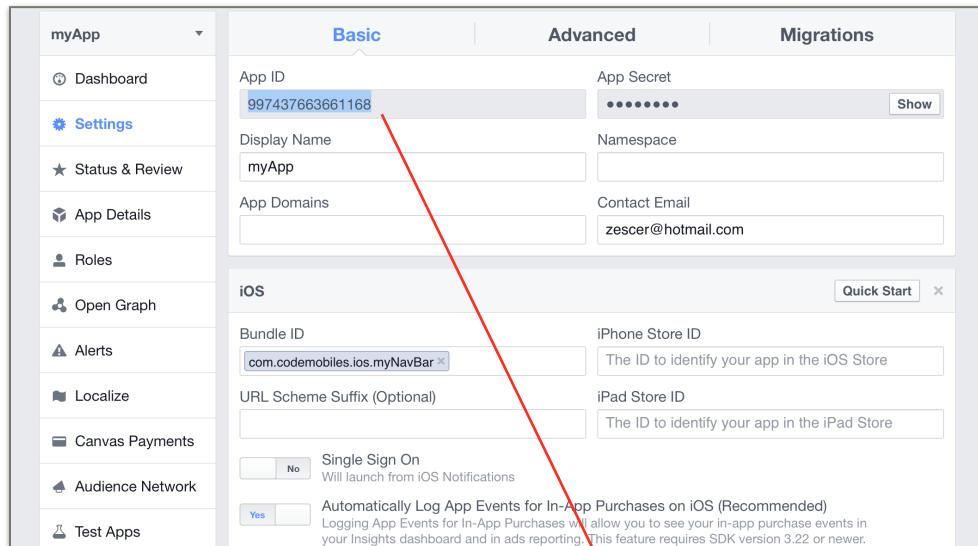
Dashboard Settings App Review App Details Roles Open Graph Alerts Localize Canvas Payments Audience Network Test Apps

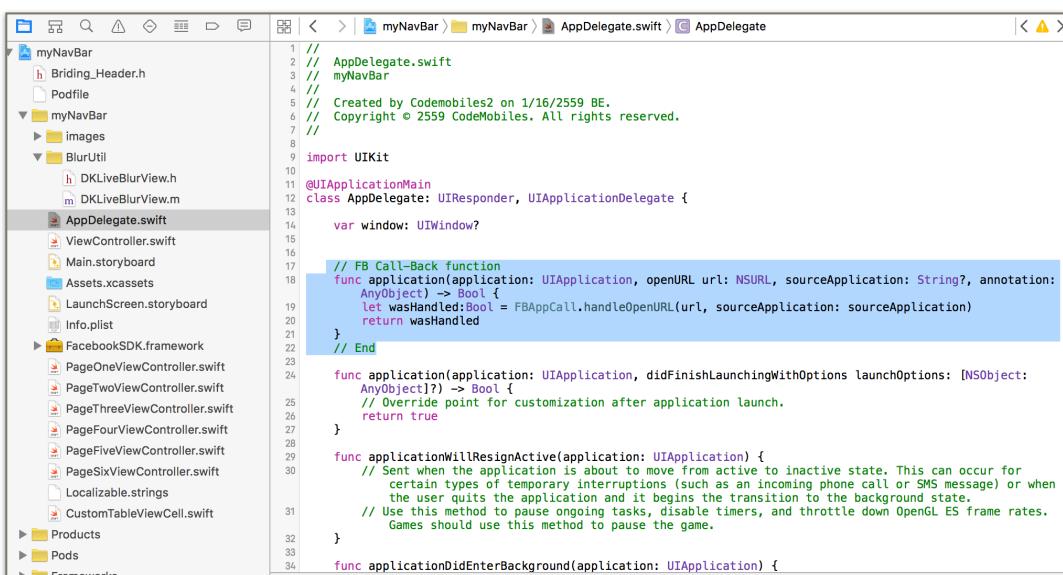
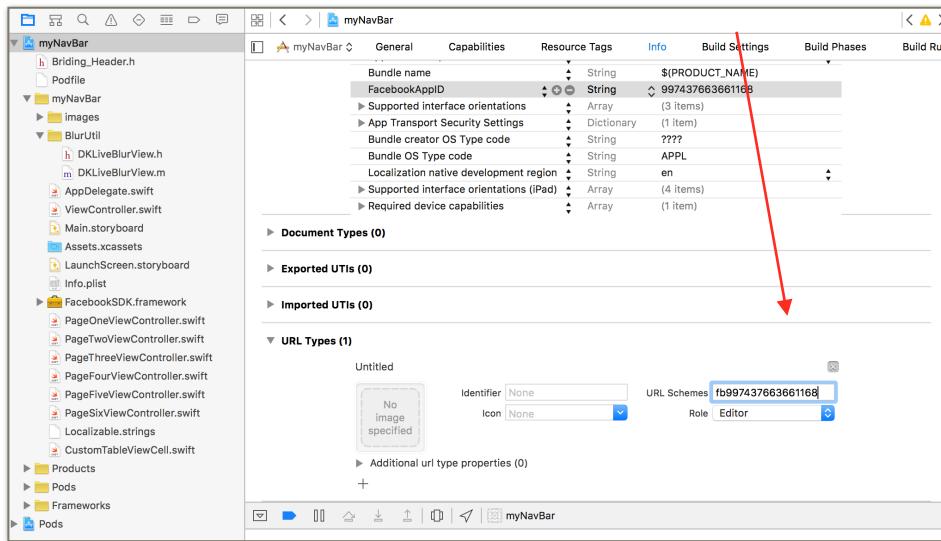


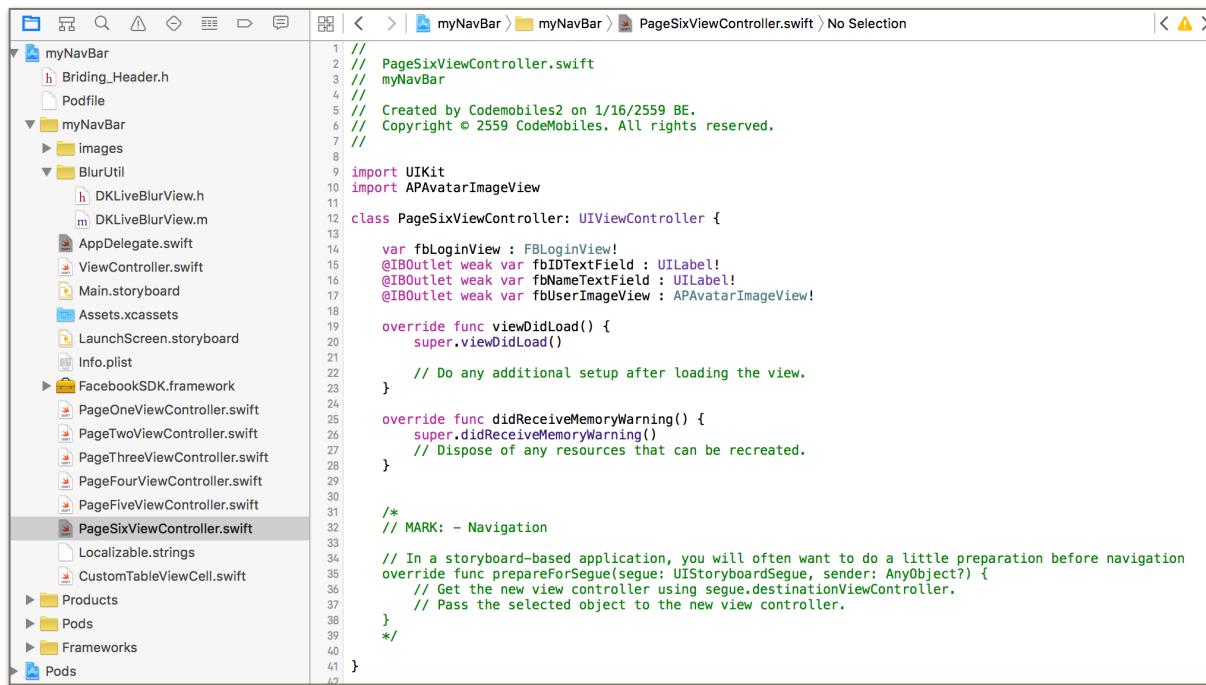
```

1 //<br>
2 //<br>
3 //<br>
4 //<br>
5 //<br>
6 //<br>
7 //<br>
8 //<br>
9 #ifndef Briding_Header_h
10 #define Briding_Header_h
11 #import <FacebookSDK/FacebookSDK.h>
12 #import "DKLiveBlurView.h"
13
14#endif /* Briding_Header_h */
15

```



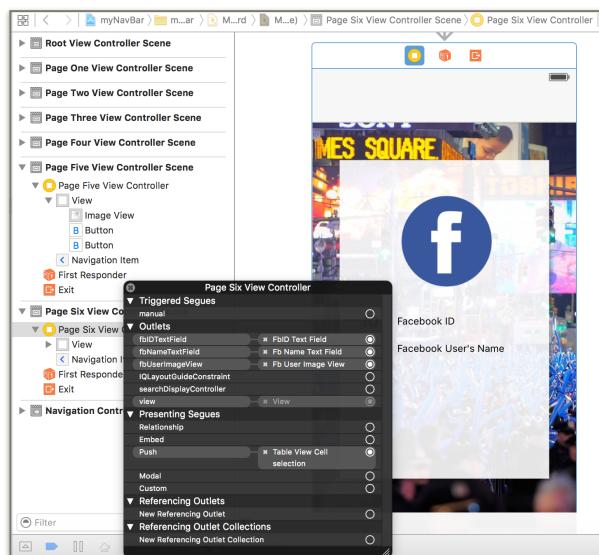


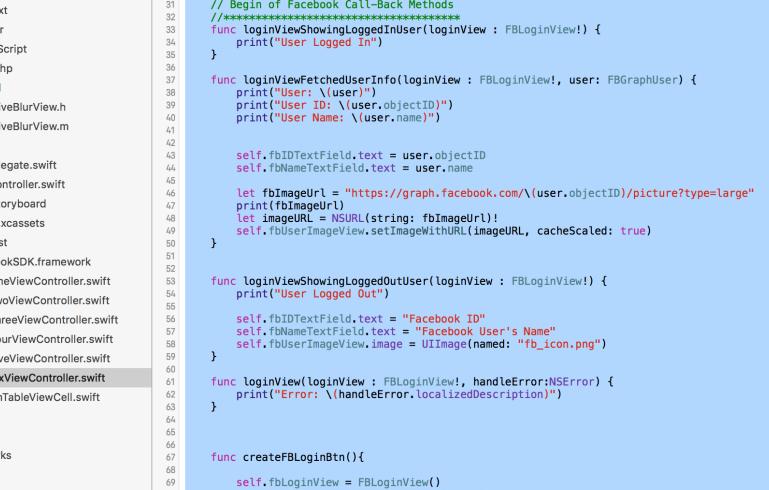


```

1 // PageSixViewController.swift
2 // myNavBar
3 // myNavBar
4 //
5 // Created by Codemobiles2 on 1/16/2559 BE.
6 // Copyright © 2559 CodeMobiles. All rights reserved.
7 //
8 import UIKit
9 import APAvatarImage
10
11 class PageSixViewController: UIViewController {
12
13     var fbLoginView : FBLoginView!
14     @IBOutlet weak var fbIDTextField : UILabel!
15     @IBOutlet weak var fbNameTextField : UILabel!
16     @IBOutlet weak var fbUserImageView : APAvatarImage!
17
18     override func viewDidLoad() {
19         super.viewDidLoad()
20
21         // Do any additional setup after loading the view.
22     }
23
24     override func didReceiveMemoryWarning() {
25         super.didReceiveMemoryWarning()
26         // Dispose of any resources that can be recreated.
27     }
28
29
30     /*
31     // MARK: - Navigation
32
33     // In a storyboard-based application, you will often want to do a little preparation before navigation
34     override func prepareForSegue(segue: UIStoryboardSegue, sender: AnyObject?) {
35         // Get the new view controller using segue.destinationViewController.
36         // Pass the selected object to the new view controller.
37     }
38
39 */
40
41 }
42

```





The screenshot shows the Xcode interface with the following details:

- Project Navigator:** Shows the project structure for "CMNavBar".
- File Navigator:** Shows the file "PageSixViewController.swift" selected.
- Editor:** Displays the content of "PageSixViewController.swift". The code is written in Swift and interacts with the Facebook SDK to handle user login and profile fetching.

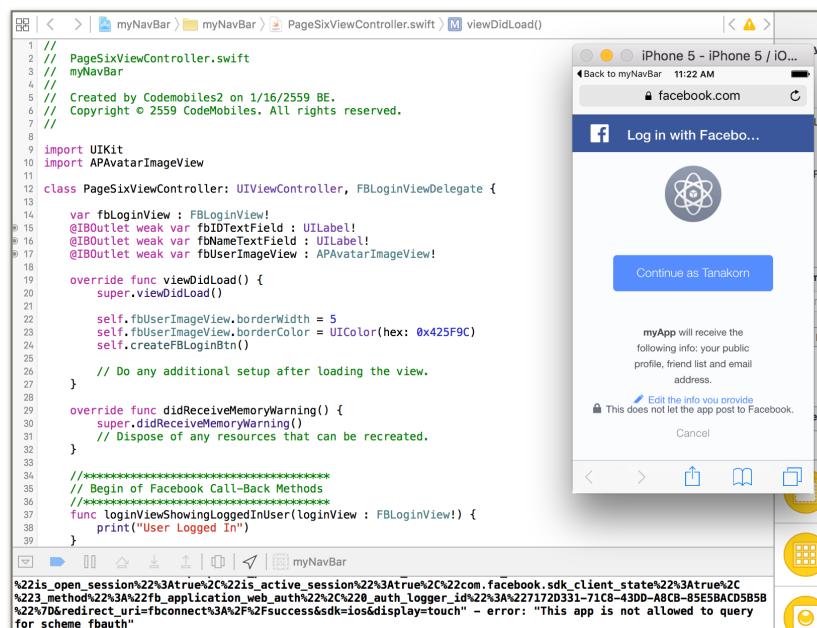
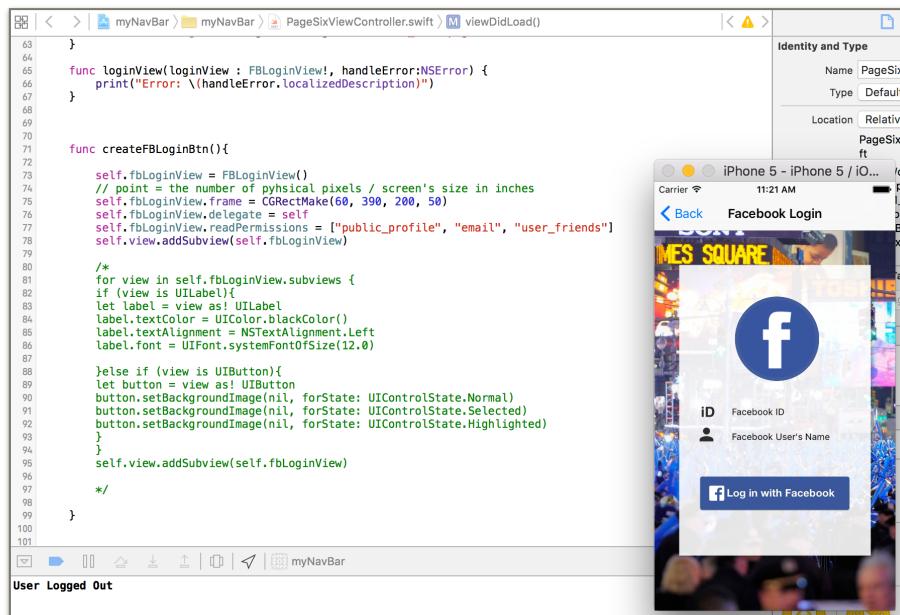
```
28 }
29
30 //***** Begin of Facebook Call-Back Methods *****
31 //***** End of Facebook Call-Back Methods *****
32
33 func loginViewShowingLoggedInUser(loginView : FBLoginView!) {
34     print("User Logged In")
35 }
36
37 func loginViewFetchedUserInfo(loginView : FBLoginView!, user: FBGraphUser) {
38     print("User: \(user)")
39     print("User ID: \(user.objectID)")
40     print("User Name: \(user.name)")
41
42     self.fbIDTextField.text = user.objectID
43     self.fNameTextField.text = user.name
44
45     let fbImageURL = "https://graph.facebook.com/\(user.objectID)/picture?type=large"
46     print(fbImageURL)
47     let imageURL = NSURL(string: fbImageURL)!
48     self.fbUserImageView.setImageWithURL(imageURL, cacheScaled: true)
49 }
50
51
52 func loginViewShowingLoggedOutUser(loginView : FBLoginView!) {
53     print("User Logged Out")
54
55     self.fbIDTextField.text = "Facebook ID"
56     self.fbNameTextField.text = "Facebook User's Name"
57     self.fbUserImageView.image = UIImage(named: "fb_icon.png")
58 }
59
60
61 func loginView(loginView : FBLoginView!, handleError:NSError) {
62     print("Error: \(handleError.localizedDescription)")
63 }
64
65
66
67
68 func createFBLoginBtn(){
69
70     self.fbLoginView = FBLoginView()
71     // point = the number of physical pixels / screen's size in inches
72     self.fbLoginView.frame = CGRectMake(60, 390, 200, 50)
73     self.fbLoginView.delegate = self
74     self.fbLoginView.readPermissions = ["public_profile", "email", "user_friends"]
75     self.view.addSubview(self.fbLoginView)
76 }
```

```
1 // PageSixViewController.swift
2 // myNavBar
3 // myNavBar
4 //
5 // Created by Codemobiles2 on 1/16/2559 BE.
6 // Copyright © 2559 CodeMobiles. All rights reserved.
7 //
8
9 import UIKit
10 import APAvatarImageView
11
12 class PageSixViewController : UIViewController, FBLoginViewDelegate {
13
14     var fbLoginView : FBLoginView!
15     @IBOutlet weak var fbIDTextField : UILabel!
16     @IBOutlet weak var fNameTextField : UILabel!
17     @IBOutlet weak var fUserImageview : APAvatarImageView!
18
19     override func viewDidLoad() {
20         super.viewDidLoad()
21
22         // Do any additional setup after loading the view.
23     }
24
25     override func didReceiveMemoryWarning() {
26         super.didReceiveMemoryWarning()
27         // Dispose of any resources that can be recreated.
28     }
29
30     //*****
31     // Begin of Facebook Call-Back Methods
32     //*****
33     func loginViewShowingLoggedInUser(loginView : FBLoginView!) {
34         print("User Logged In")
35     }
36
37     func loginViewFetchedUserInfo(loginView : FBLoginView!, user: FBGraphUser) {
38         print("User: \(user)")
39         print("User ID: \(user.objectID)")
40         print("User Name: \(user.name)")
41
42
43         self.fbIDTextField.text = user.objectID
44         self.fNameTextField.text = user.name
45
46         let fbImageURL = "https://graph.facebook.com/\(user.objectID)/picture?type=large"
47         print(fbImageURL)
```

```

1 // PageSixViewController.swift
2 // myNavBar
3 //
4 // Created by Codemobiles2 on 1/16/2559 BE.
5 // Copyright © 2559 CodeMobiles. All rights reserved.
6 //
7 //
8 import UIKit
9 import APAvatarImageView
10
11 class PageSixViewController: UIViewController, FBLoginViewDelegate {
12
13     var fbLoginView : FBLoginView!
14     @IBOutlet weak var fbIDTextField : UILabel!
15     @IBOutlet weak var fbNameTextField : UILabel!
16     @IBOutlet weak var fbUserImageView : APAvatarImageView!
17
18     override func viewDidLoad() {
19         super.viewDidLoad()
20
21         self.fbUserImageView.borderWidth = 5
22         self.fbUserImageView.borderColor = UIColor(hex: 0x425F9C)
23         self.createFBLoginBtn()
24
25         // Do any additional setup after loading the view.
26     }
27
28     override func didReceiveMemoryWarning() {
29         super.didReceiveMemoryWarning()
30         // Dispose of any resources that can be recreated.
31     }
32
33     //*****Begin of Facebook Call-Back Methods*****
34     //*****Begin of Facebook Call-Back Methods*****
35     func loginViewShowingLoggedInUser(loginView : FBLoginView!) {
36         print("User Logged In")
37     }
38
39     func loginViewFetchedUserInfo(loginView : FBLoginView!, user: FBGraphUser) {
40         print("User: \(user)")
41         print("User ID: \(user.objectID)")
42         print("User Name: \(user.name)")
43
44         self.fbIDTextField.text = user.objectID
45
46     }
47
48     self.fbIDTextField.text = user.objectID
49
50 }

```

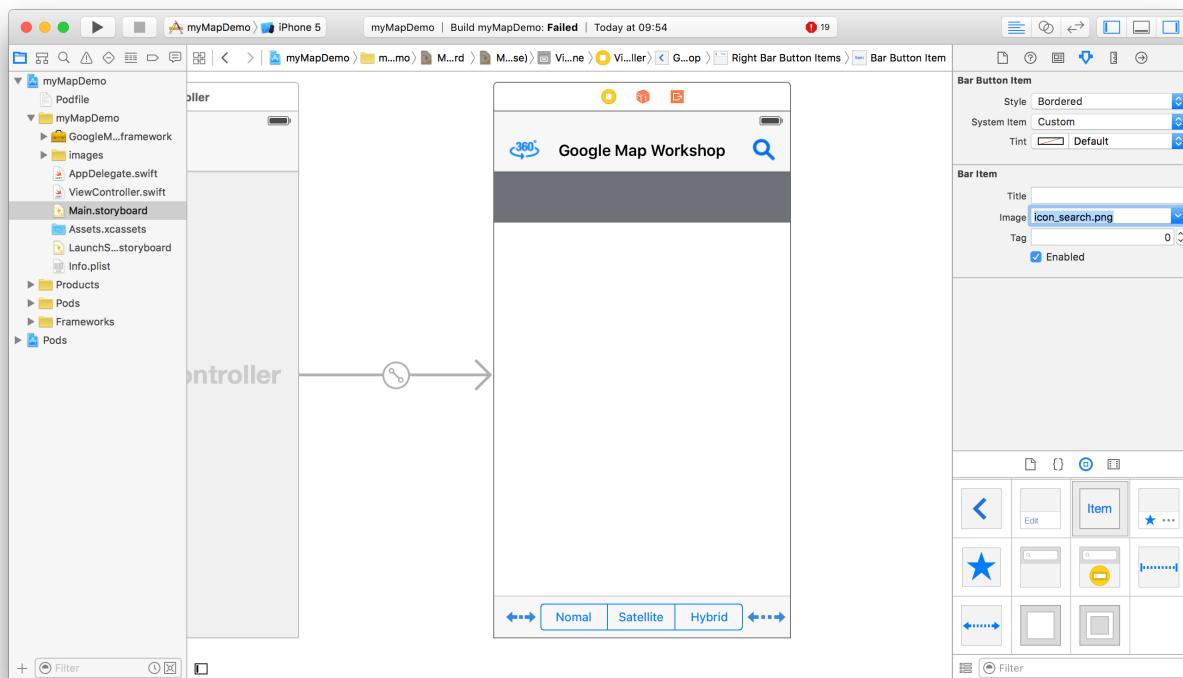
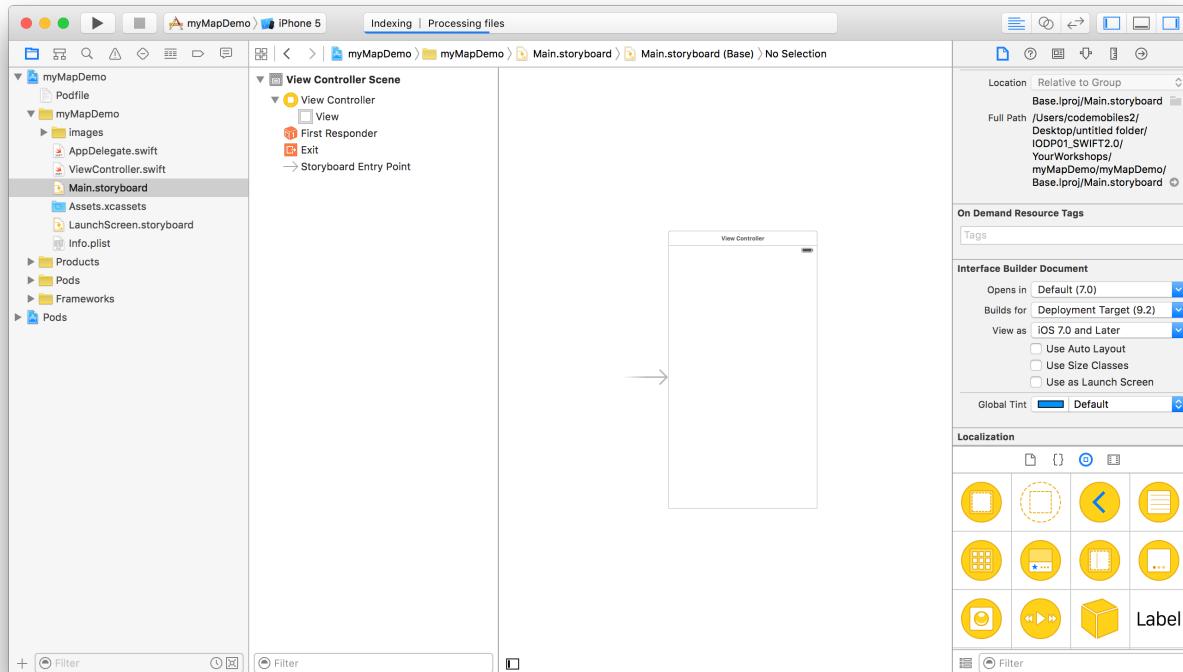


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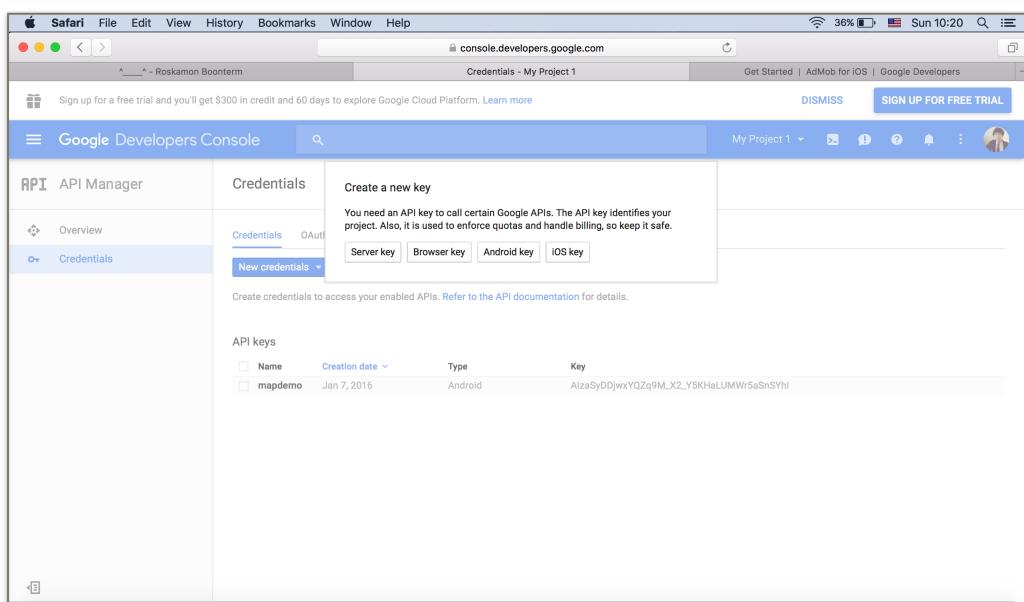
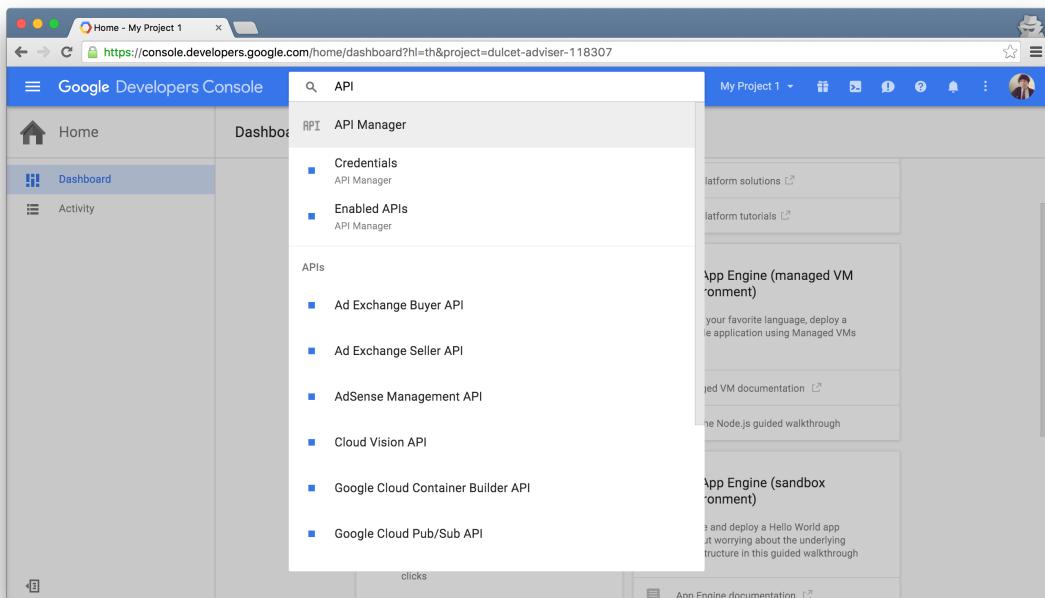
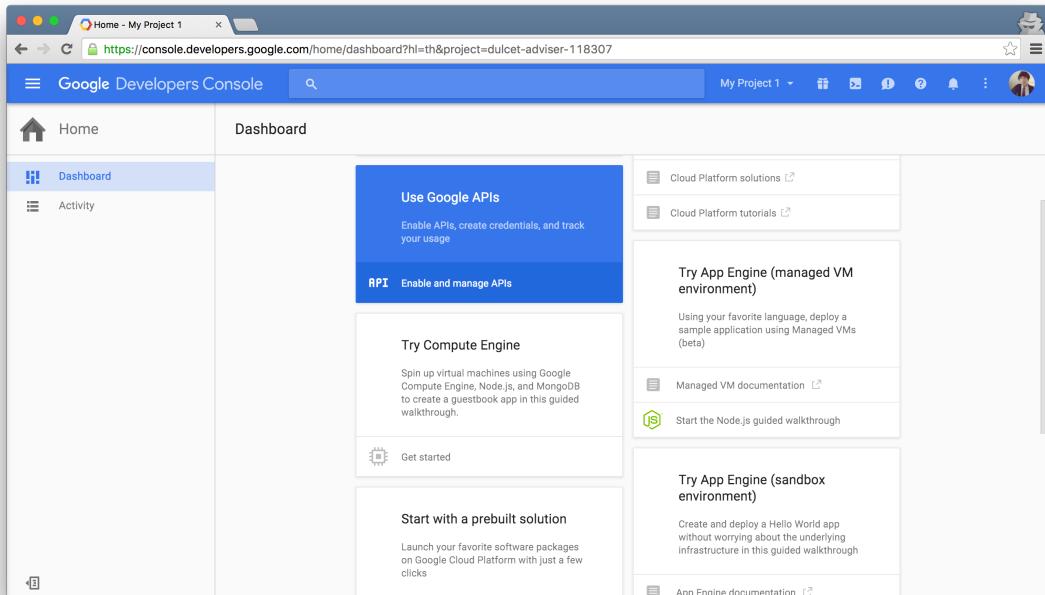
36 //*****
37 func loginInViewShowingLoggedInUser(loginView : FBLoginView!) {
38     print("User Logged In")
39 }
40 func loginViewFetchedUserInfo(loginView : FBLoginView!, user: FBGraphUser)
41 {
42     print("User: \(user)")
43     print("User ID: \(user.objectID)")
44     print("User Name: \(user.name)")
45
46     self.fbIDTextField.text = user.objectID
47     self.fbNameTextField.text = user.name
48
49     let fbImageURL = "https://graph.facebook.com/\(user.objectID)/picture?type=large"
50     print(fbImageURL)
51     let imageURL = NSURL(string: fbImageURL)!
52     self.fbUserImageView.setImageWithURL(imageURL, cacheScaled: true)
53 }
54
55
56 func loginViewShowingLoggedOutUser(loginView : FBLoginView!) {
57     print("User Logged Out")
58
59     self.fbIDTextField.text = "Facebook ID"
60     self.fbNameTextField.text = "Facebook User's Name"
61     self.fbUserImageView.image = UIImage(named: "fb_icon.png")
62 }
63
64
65 func loginView(loginView : FBLoginView!, handleError:NSError) {
66     print("Error: \(handleError.localizedDescription)")
67 }
68
69
70 func createFBLoginBtn(){
71
72     self.fbLoginView = FBLoginView()
73     // point = the number of physical pixels / screen's size in inches
74 }
75
76 User ID: 10208790665030029
77 User Name: Tanakorn Kunawut
78 https://graph.facebook.com/10208790665030029/picture?type=large
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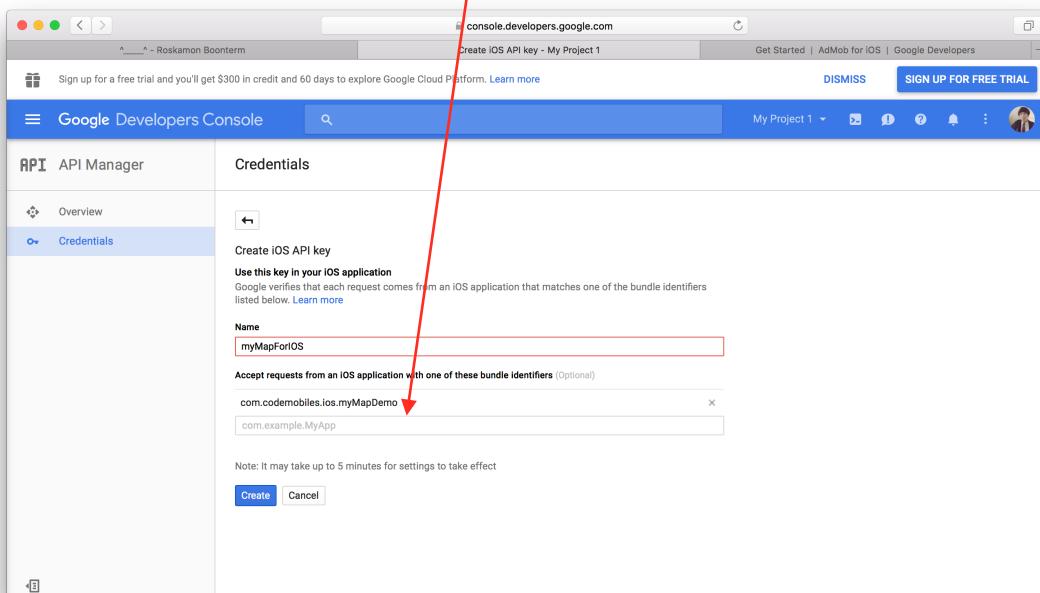
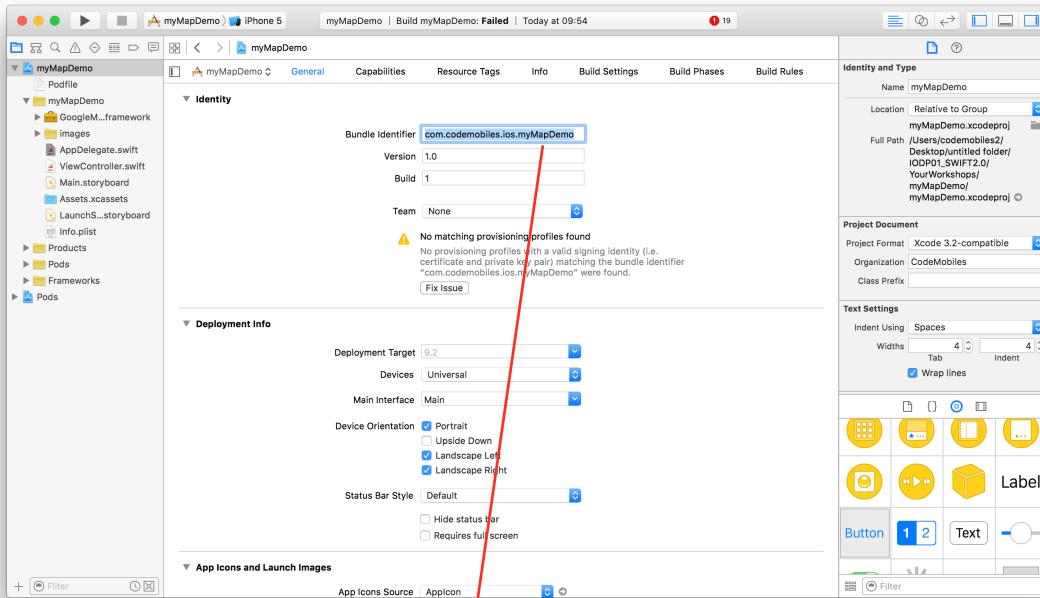
Day Four:

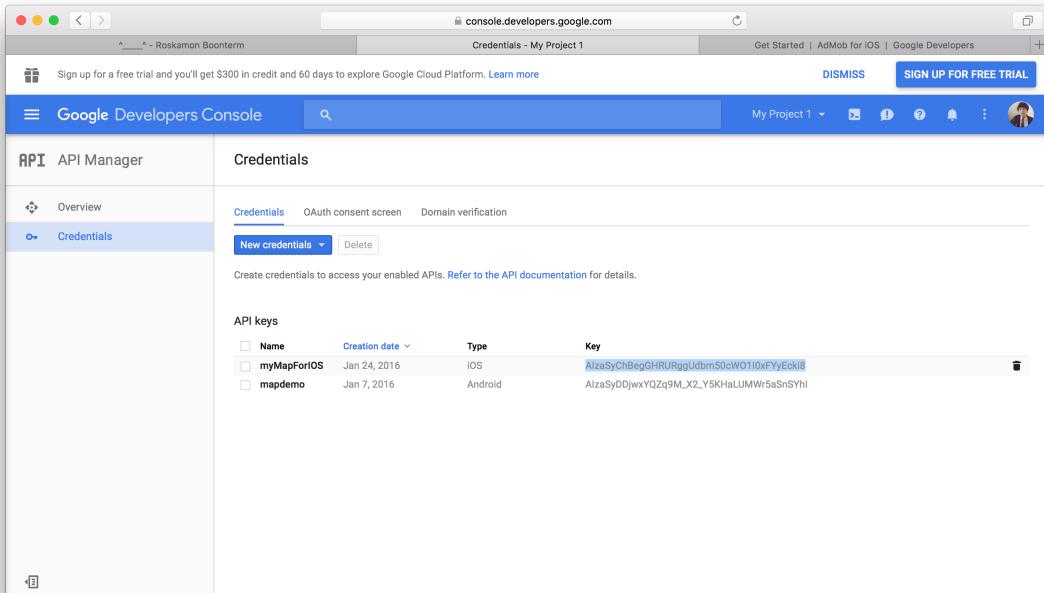
เริ่มต้น workshop CMMapDemo
new project และทำ storyboard



การขอ Google Map API Key







```

1 // AppDelegate.swift
2 // CMMapDemo
3 // Created by Chaiyosit Tayabovorn on 7/10/2558 BE.
4 // Copyright © 2558 CodeMobiles. All rights reserved.
5
6 import UIKit
7 import GoogleMaps
8
9 @UIApplicationMain
10 class AppDelegate: UIResponder, UIApplicationDelegate {
11
12     var window: UIWindow?
13
14     func application(application: UIApplication, didFinishLaunchingWithOptions: [NSObject: AnyObject]?) -> Bool {
15         // Override point for customization after application launch.
16         GMSServices.provideAPIKey("AIzaSy994dPCSc6G03Y7Ycgyzr-zhLcnk9aS8")
17
18         return true
19     }
20
21     func applicationWillResignActive(application: UIApplication) {
22         // Sent when the application is about to move from active to inactive state. This can occur for
23         // certain types of temporary interruptions (such as an incoming phone call or SMS message) or when
24         // the user quits the application and it begins the transition to the background state.
25         // Use this method to pause ongoing tasks, disable timers, and throttle down OpenGL ES frame rates.
26         // Games should use this method to pause the game.
27     }
28
29     func applicationWillEnterForeground(application: UIApplication) {
23         // Use this method to release shared resources, save user data, invalidate timers, and store enough
24         // application state information to restore your application to its current state in case it is terminated
25         // later.
26         // Called as part of the transition from the background to the inactive state; here you can undo
27         // many of the changes made on entering the background.
28     }
29
30     func applicationWillTerminate(application: UIApplication) {
31         // Called when the application is about to terminate. Save data if appropriate.
32         // See also applicationDidEnterBackground:.
33     }
34
35     // MARK: UISceneSessionDelegate Methods
36
37     func applicationDidEnterBackground(application: UIApplication) {
38         // Use this method to release shared resources, save user data, invalidate timers, and store enough
39         // application state information to restore your application to its current state in case it is terminated
40         // later.
41         // To know when your application runs on background execution - this method is called instead of
42     }
43
44 }

```

```

1 // AppDelegate.swift
2 // myMapDemo
3 // Created by Codemobiles2 on 1/24/2559 BE.
4 // Copyright © 2559 CodeMobiles. All rights reserved.
5
6 import UIKit
7 import GoogleMaps
8
9 @UIApplicationMain
10 class AppDelegate: UIResponder, UIApplicationDelegate {
11
12     var window: UIWindow?
13
14     func application(application: UIApplication, didFinishLaunchingWithOptions: [NSObject: AnyObject]?) -> Bool {
15         // Override point for customization after application launch.
16         GMSServices.provideAPIKey("AIzaSyChBegGHRURggUdbm50cW0I0xFYyEckiB")
17
18         return true
19     }
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32         // See also applicationDidEnterBackground:.
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35     // MARK: UISceneSessionDelegate Methods
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37     func applicationDidEnterBackground(application: UIApplication) {
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39         // application state information to restore your application to its current state in case it is terminated
40         // later.
41         // To know when your application runs on background execution - this method is called instead of
42     }
43
44 }

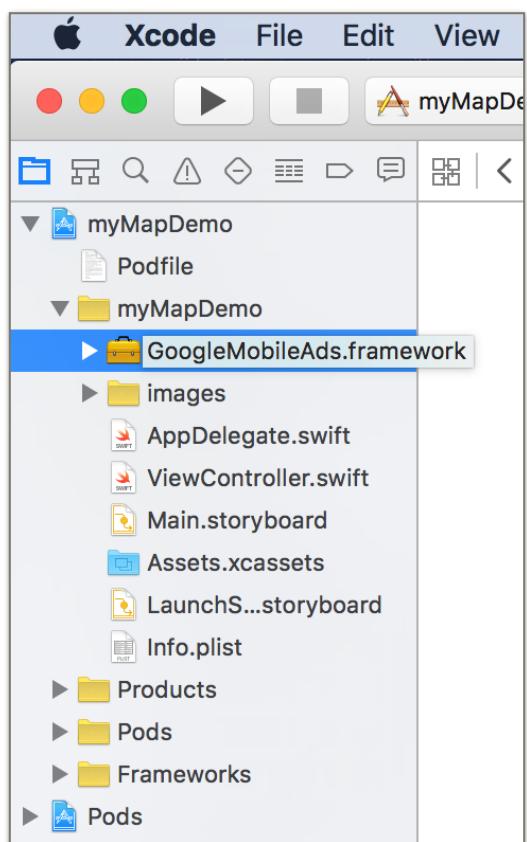
```

ການໃຊ້ Google AdMob

The screenshot shows a web browser window with the URL developers.google.com/admob/ios/quick-start. The page displays the 'Create the Podfile' section, which includes a code snippet for a Podfile:

```
source 'https://github.com/CocoaPods/Specs.git'  
platform :ios, '7.0'  
pod 'Google-Mobile-Ads-SDK', '~> 7.0'
```

Below this, the 'Run pod install' section is shown, along with a screenshot of the Xcode interface. The Xcode project navigator shows a folder named 'BannerExample' containing subfolders 'BannerExample', 'Products', 'Pods', and 'Frameworks'. The 'Pods' folder is expanded, showing the 'GoogleMobileAds.framework' file.



Copy Ad unit ID ใส่ใน Method loadAdmob()

AdMob

HOME MONETIZE CAMPAIGNS ANALYZE

oldster189@gmail.com
Publisher ID: pub-4037961928861681

⚙️ ?

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View setup instructions

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AD UNITS (1) ALLOW & BLOCK ADS SETTINGS

+ NEW AD UNIT MOVE ARCHIVE VIEW FILTERED REPORT ▾

	↑ Ad unit	Ad format	Mediation	Frequency capping (per user) ⓘ
<input type="checkbox"/>	MyDreamAd Ad unit ID: ca-app-pub-4037961928861681/2960083459	Banner	1 ad source	Not applicable

1-1 of 1 ⏴ ⏵

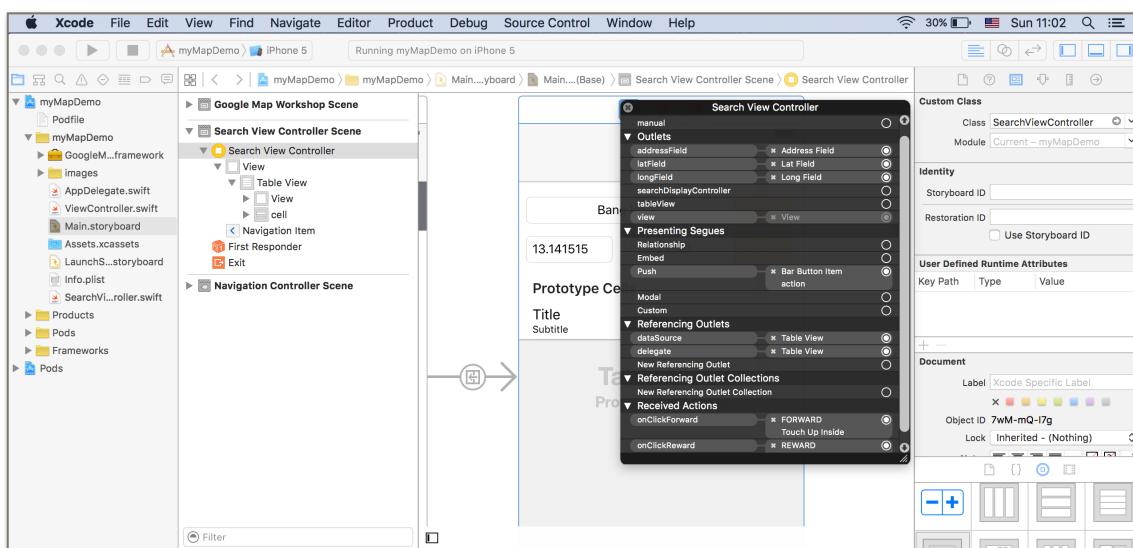
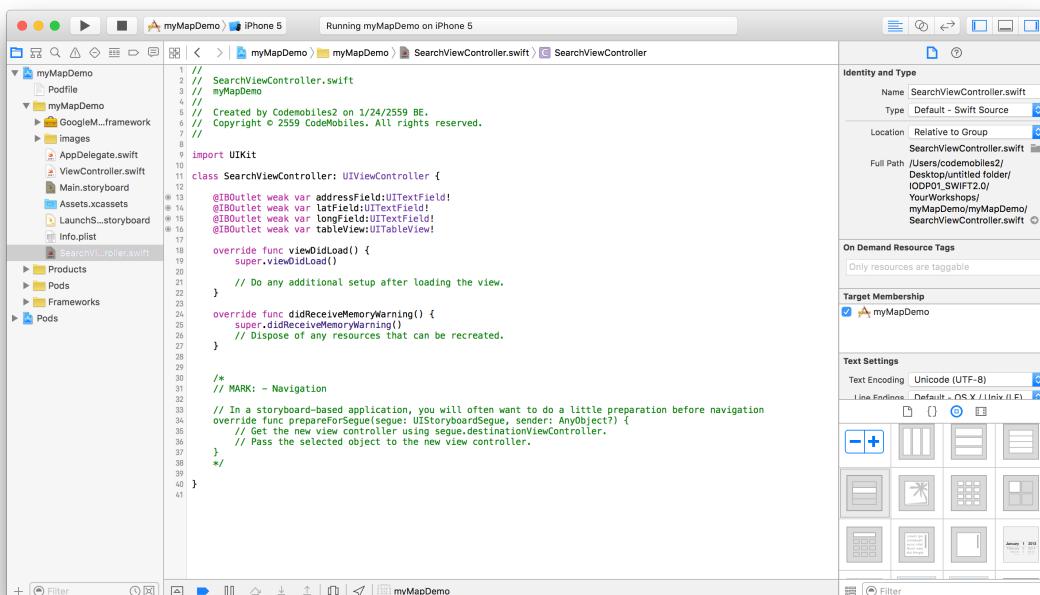
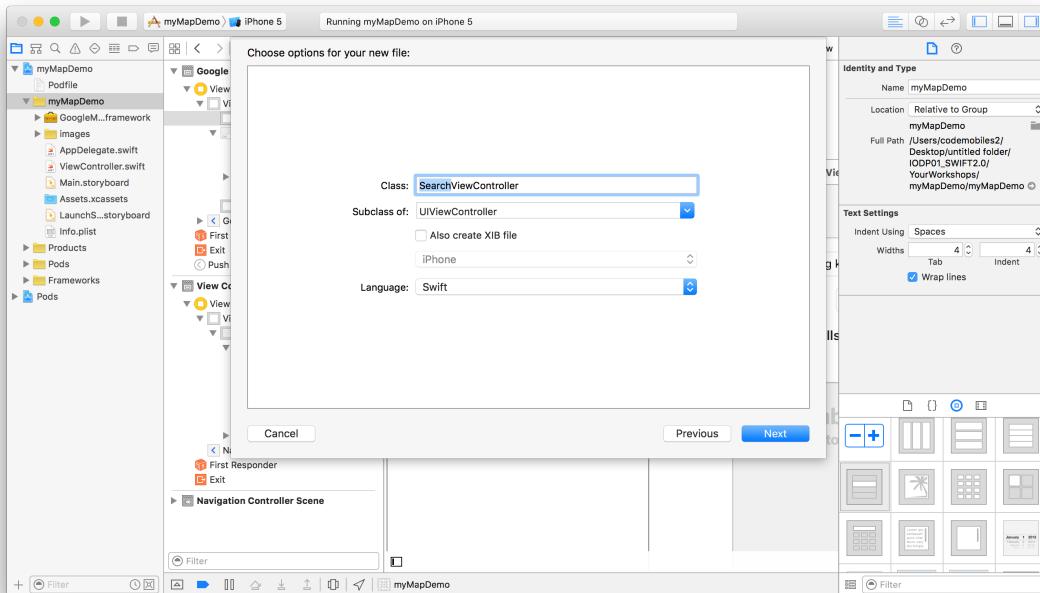
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The screenshot shows the Xcode interface with the following details:

- Project Navigator:** Shows the project structure with files like `CMMapDemo`, `ViewController.swift`, `AppDelegate.swift`, and `Info.plist`.
- Editor:** Displays the `ViewController.swift` file content. The code handles location services, map view settings, and loads admob banners.
- Utilities:** Shows the **Identity and Type** panel for `ViewController.swift`, indicating it's a Swift source file relative to the group.
- Search:** Shows the search results for `CMMapDemo`.

```
30 self.mapView.settings.myLocationButton = true
31
32 self.locationManager = CLLocationManager()
33 self.locationManager.delegate = self
34 self.locationManager.distanceFilter = 100.0
35 self.locationManager.desiredAccuracy = kCLLocationAccuracyBest
36 self.locationManager.requestAlwaysAuthorization()
37 self.locationManager.startUpdatingLocation()
38
39 self.loadMarkers()
40 self.loadPolygon() // stub method
41 self.mapView.delegate = self
42 self.mapView.trafficEnabled = true
43
44 // Ask for My Location data after the map has already been added to the UI.
45 dispatch.async(dispatch_get_main_queue(), { () -> Void in
46     self.mapView.myLocationEnabled = true
47 }
48
49 self.loadAdmob()
50
51
52 }
53
54
55
56
57
58 func loadAdmob(){
59     self.bannerView.adUnitID = "ca-app-pub-3940256099942544/2934735716"
60     self.bannerView.rootViewController = self
61     let request: GADRequest = GADRequest()
62     //request.testDevices = [kGADSimulatorID]
63     self.bannerView.loadRequest(request)
64
65 }
66
67
68 func loadPolygon(){
69     let path = GMSPolygonPath()
70     for locationDict in self.locationArray{
71         let marker_lat = locationDict["latitude"]!?.doubleValue
72         let marker_lng = locationDict["longitude"]!?.doubleValue
73         path.addLatitude(marker_lat!, longitude:marker_lng!) // Sydney
74     }
75
76
77
78
79
80     let polygon = GMSPolygon()
81     polygon.path = path
82     polygon.fillColor = UIColor(hexString: "#1193F4").colorWithAlphaComponent(0.3)
83     polygon.strokeColor = UIColor(hexString: "#1193F4").colorWithAlphaComponent(0.6)
```

การทำ Search Location

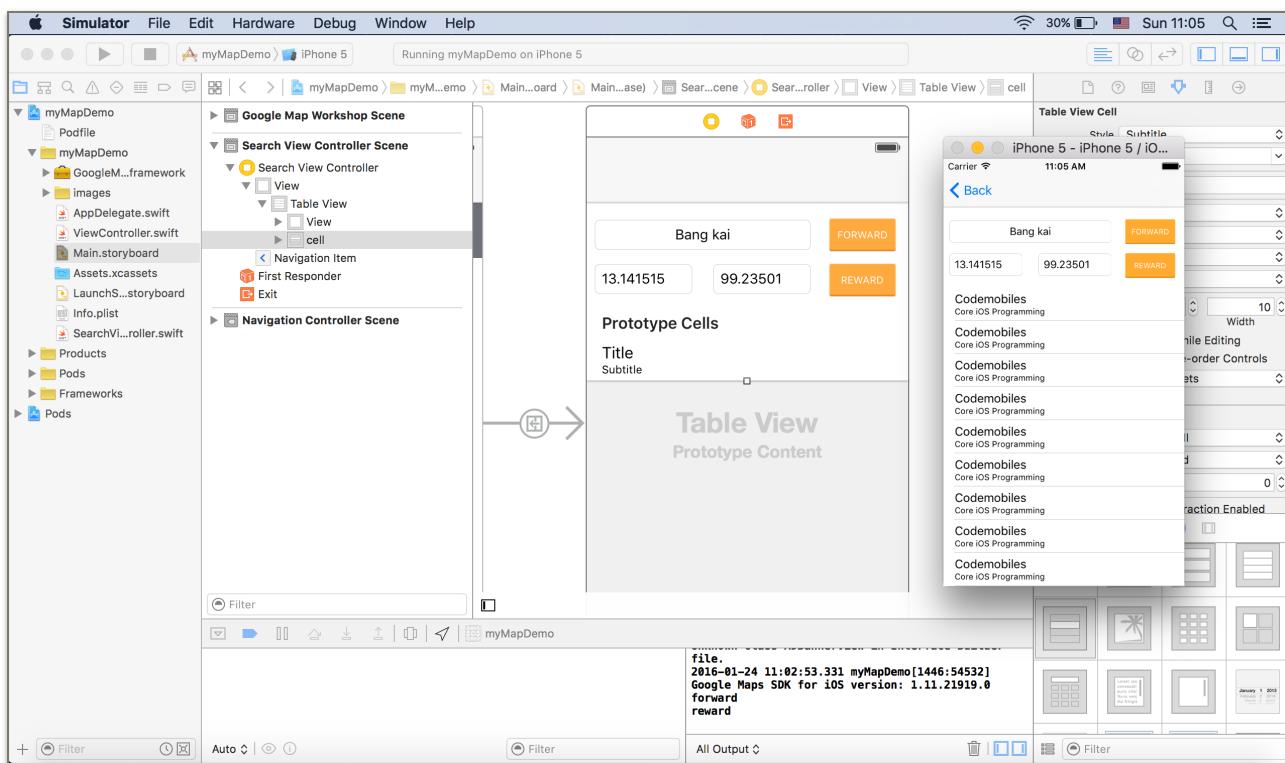


The screenshot shows the Xcode interface with the code editor open to `SearchViewController.swift`. The code defines a `SearchViewController` that implements `UIViewControllerAnimated`, `UITableViewDataSource`, and `UITableViewDelegate`. It includes outlets for text fields and a table view, and overrides for `viewDidLoad`, `didReceiveMemoryWarning`, `numberOfSectionsInTableView`, `tableView:cellForRowAtIndexPath:`, and `tableView:numberOfRowsInSection:`. The simulator output window shows a list of search results for "Bang kai".

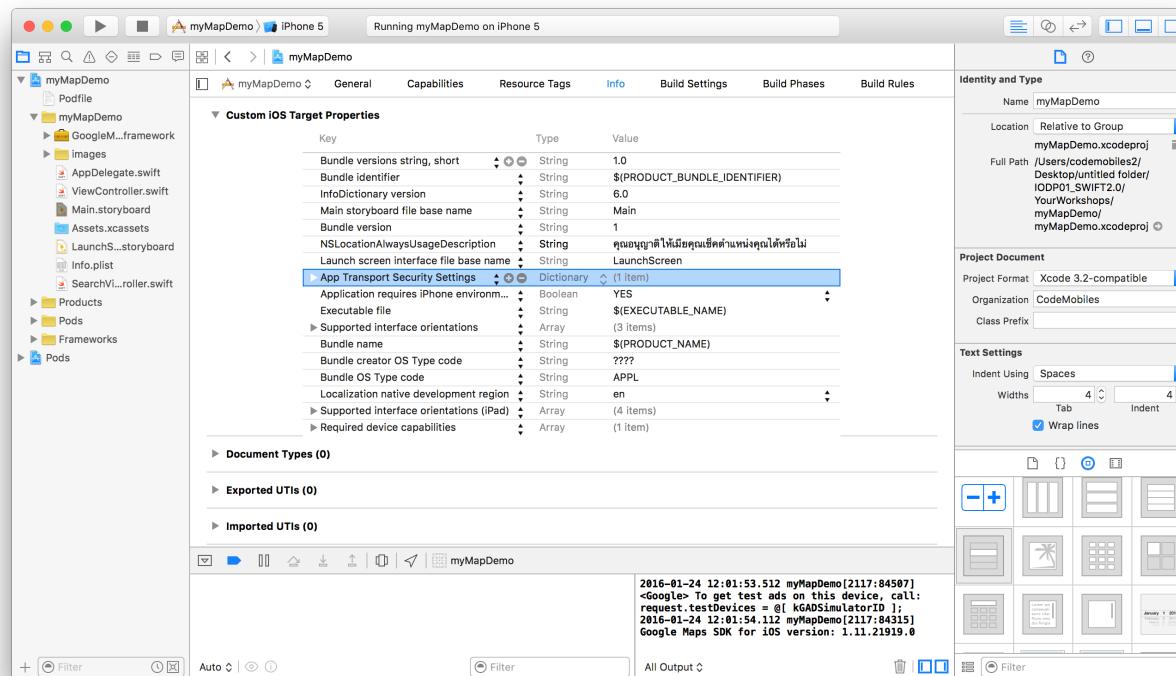
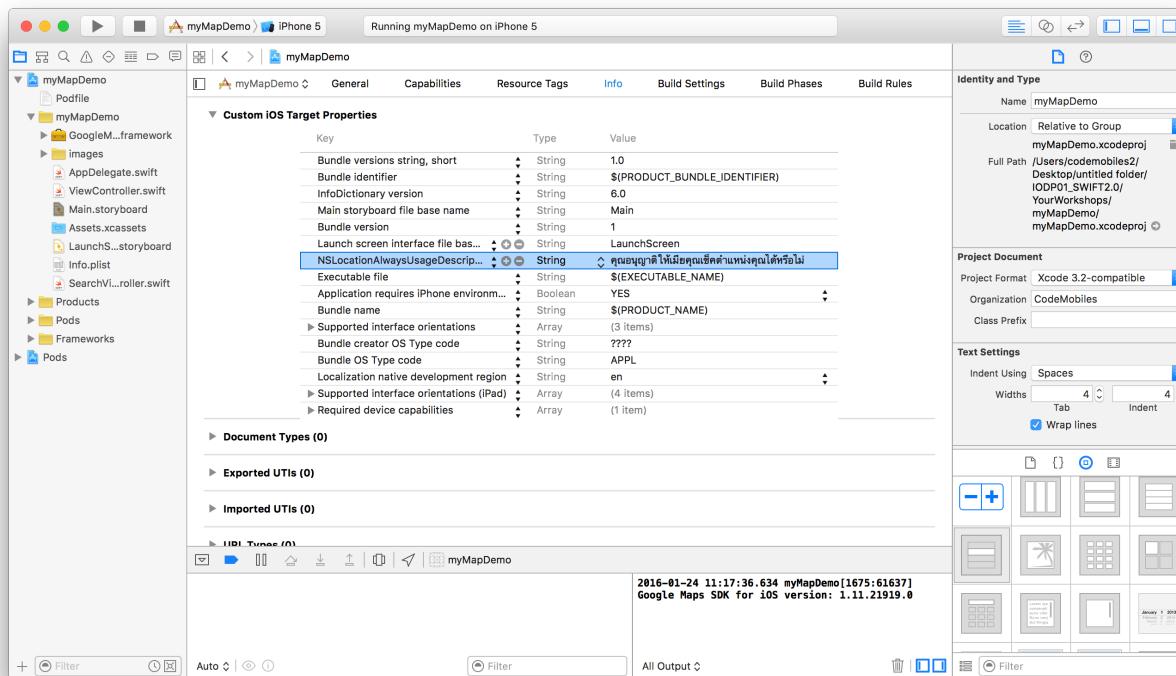
```

4 // Created by Codemobiles on 1/24/2559 BE.
5 // Copyright © 2559 CodeMobiles. All rights reserved.
6 //
7 //
8 import UIKit
9
10 class SearchViewController: UIViewController, UITableViewDelegate, UITableViewDataSource {
11
12     @IBOutlet weak var addressField:UITextField!
13     @IBOutlet weak var latField:UITextField!
14     @IBOutlet weak var longField:UITextField!
15     @IBOutlet weak var tableView:UITableView!
16
17     override func viewDidLoad() {
18         super.viewDidLoad()
19
20         // Do any additional setup after loading the view.
21     }
22
23     override func didReceiveMemoryWarning() {
24         super.didReceiveMemoryWarning()
25         // Dispose of any resources that can be recreated.
26     }
27
28     func numberOfSectionsInTableView(tableView: UITableView) -> Int {
29         return 1
30     }
31
32     func tableView(tableView: UITableView, cellForRowAtIndexPath indexPath: NSIndexPath) -> UITableViewCell {
33         let cell = tableView.dequeueReusableCellWithIdentifier("cell")
34         cell.textLabel?.text = "Codemobiles"
35         cell.detailTextLabel?.text = "Core iOS Programming"
36
37         return cell!
38     }
39
40     func tableView(tableView: UITableView, numberOfRowsInSection section: Int) -> Int {
41         return 100
42     }
43

```



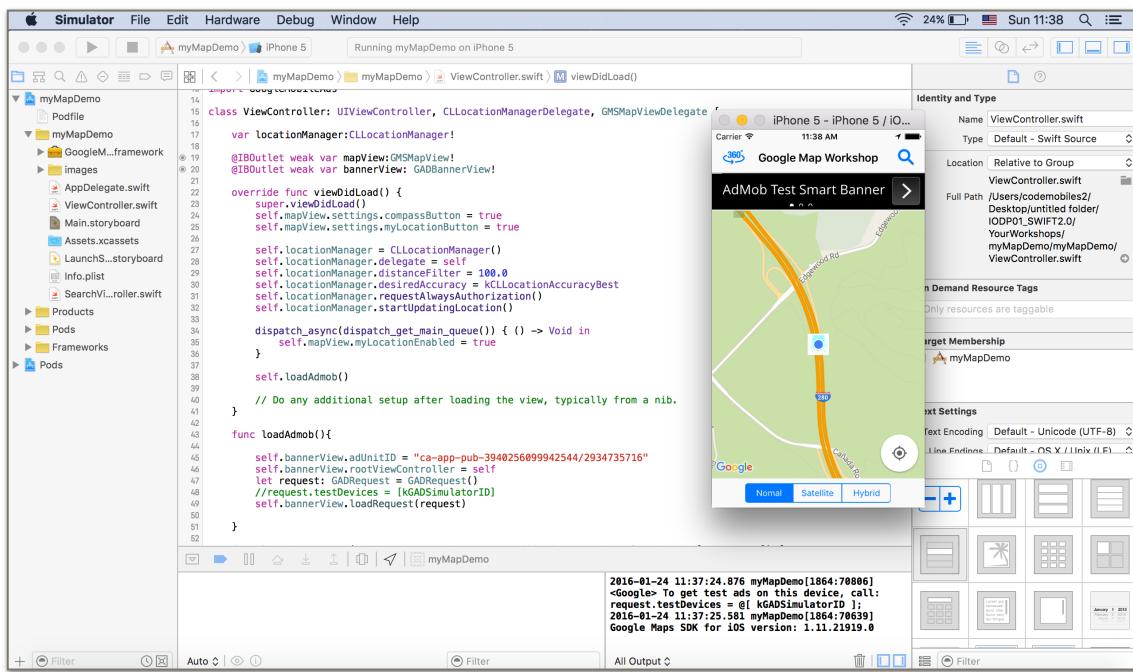
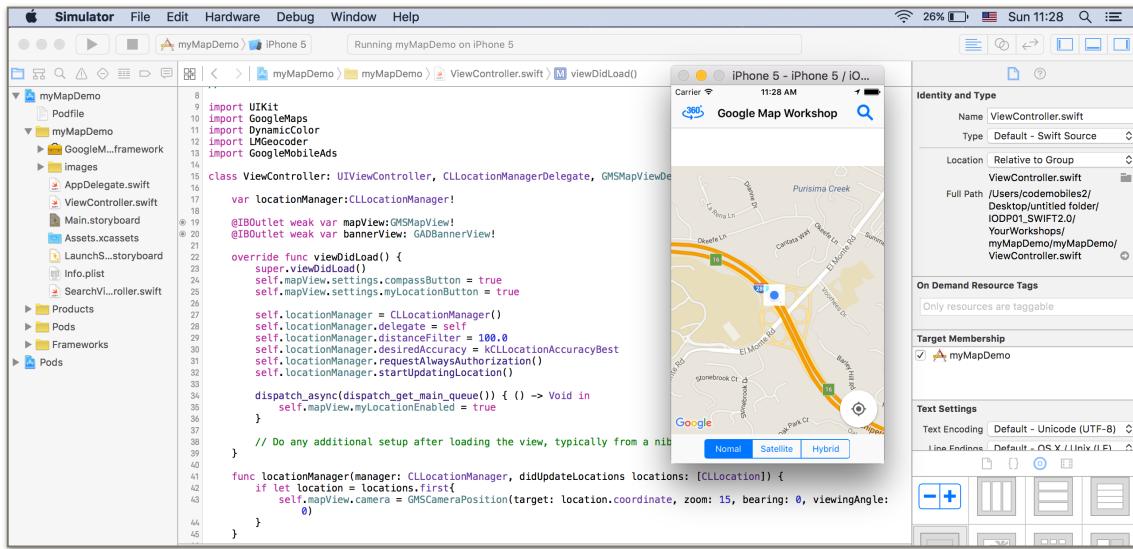
การทำ function ต่างๆที่เกี่ยวข้องกับ Map

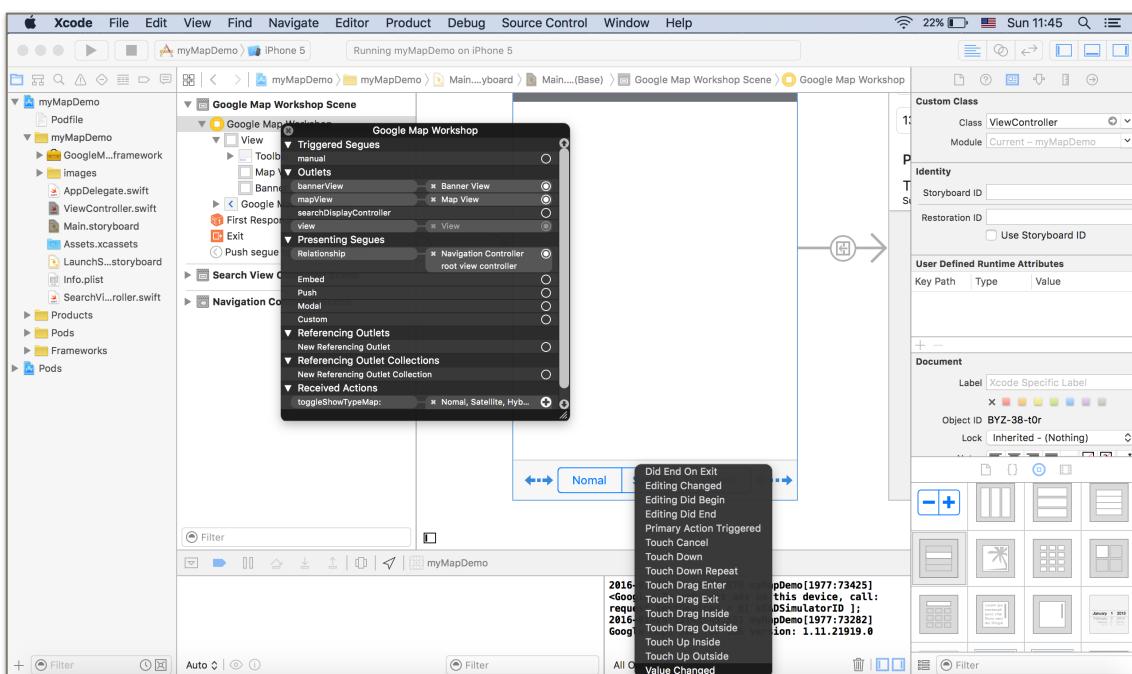
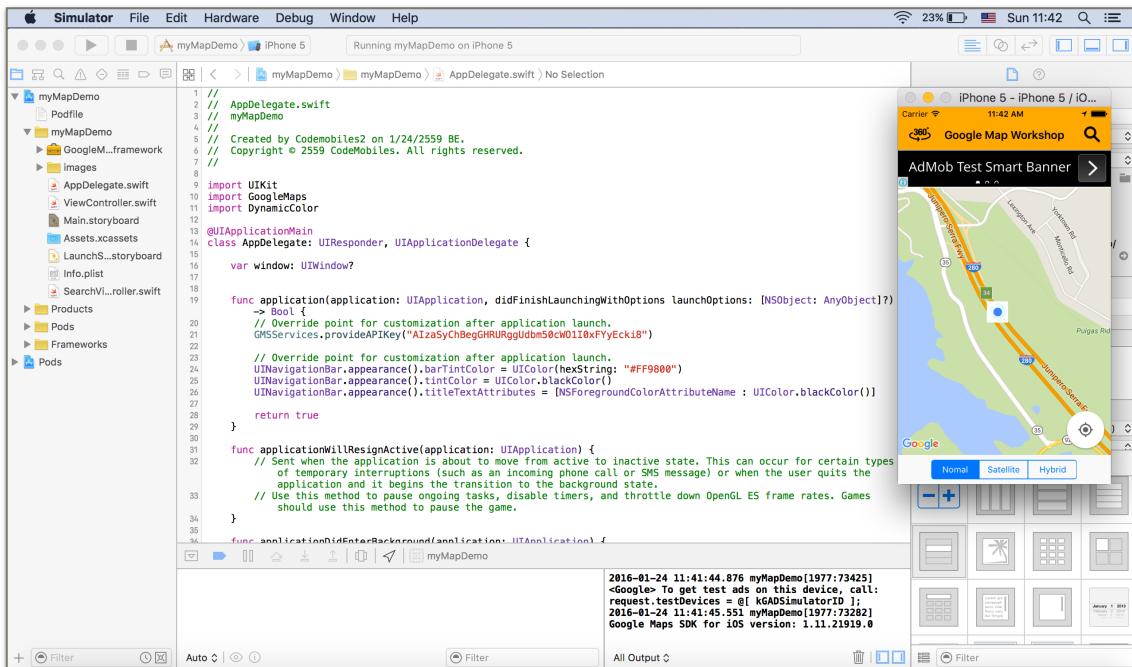


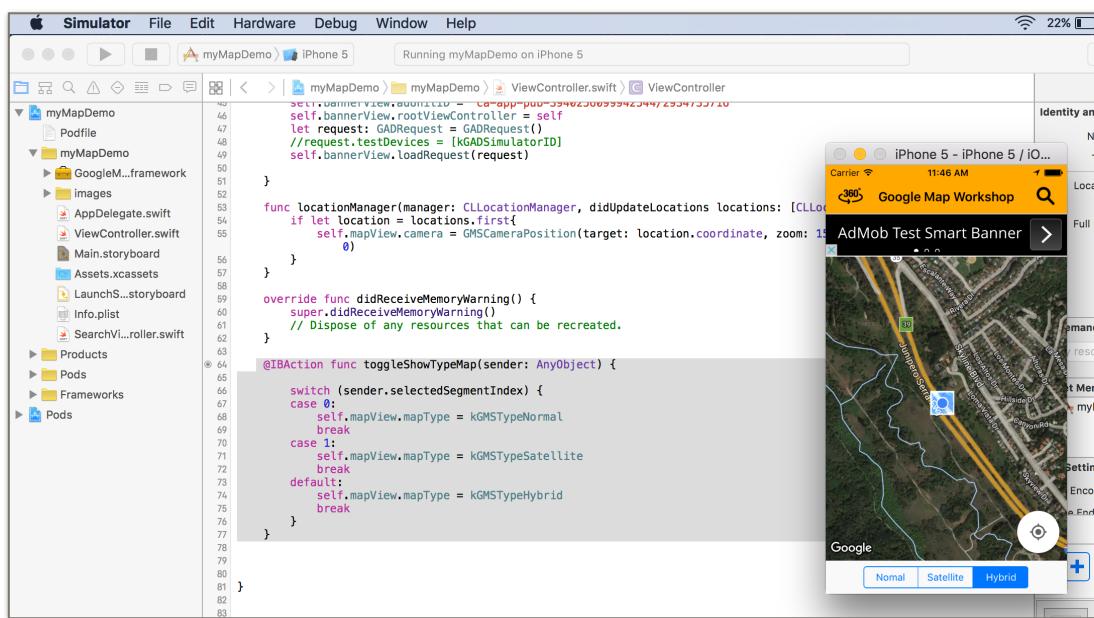
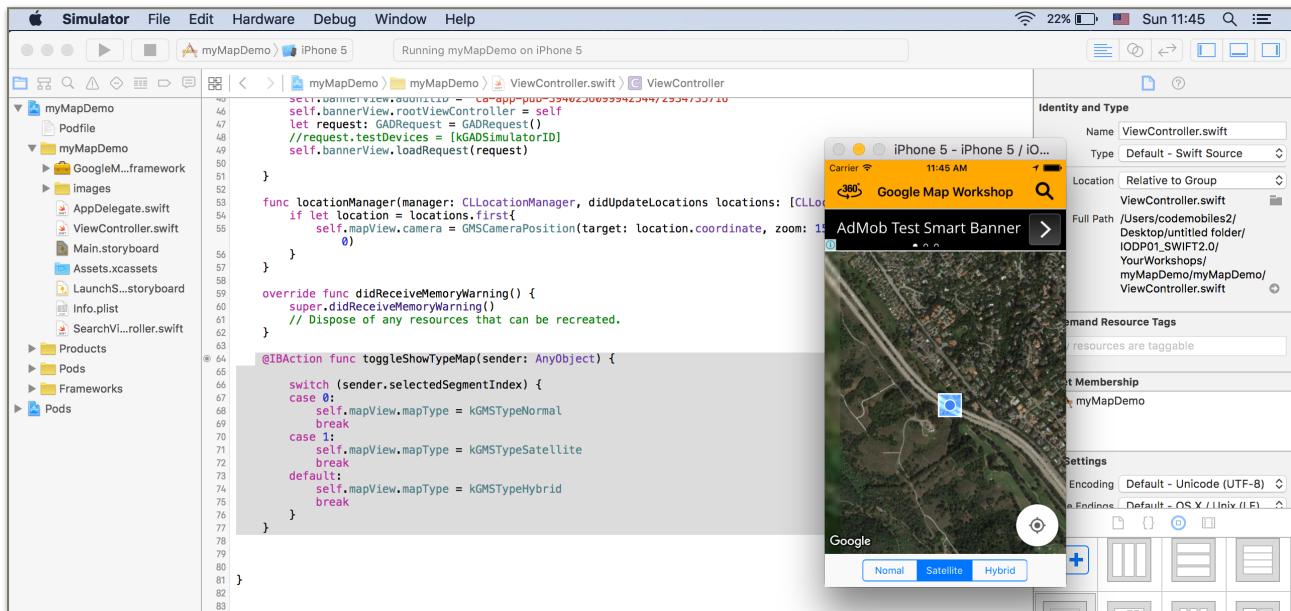
The screenshot shows the Xcode interface with the project 'myMapDemo' open. The left sidebar displays the project structure, including files like AppDelegate.swift, ViewController.swift, Main.storyboard, and Assets.xcassets. The main editor area contains the code for ViewController.swift, which sets up a map view and handles location services. The right sidebar shows the Identity & Type and On Demand Resource Tags sections for the ViewController.swift file.

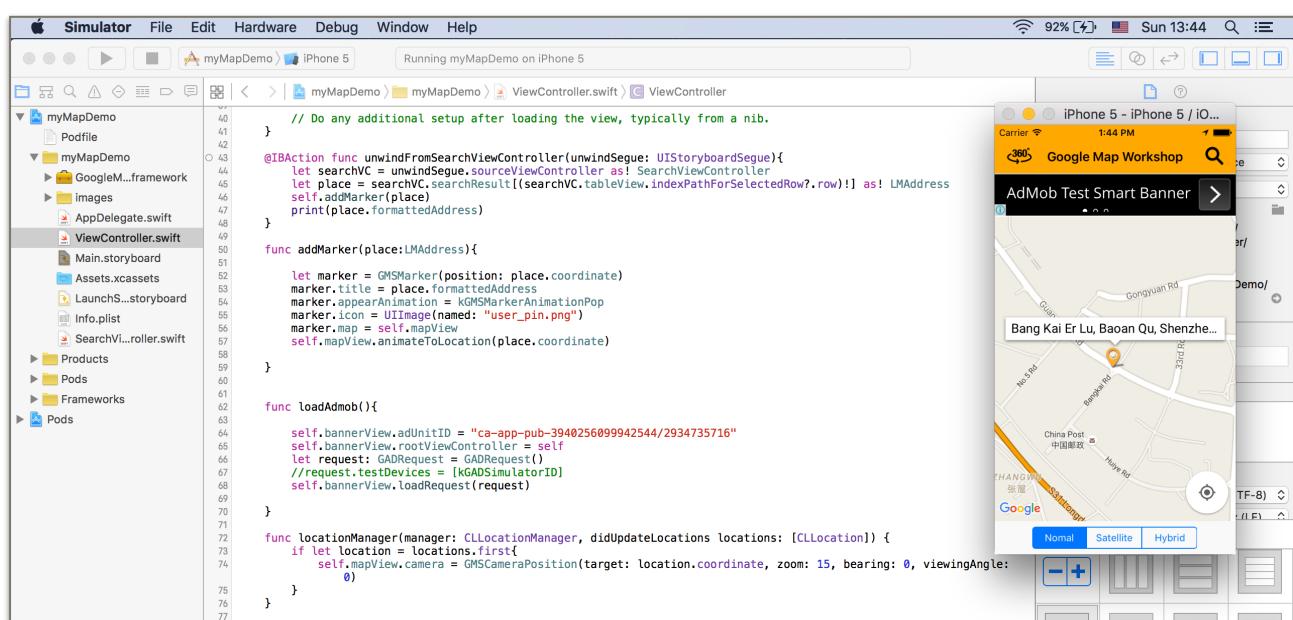
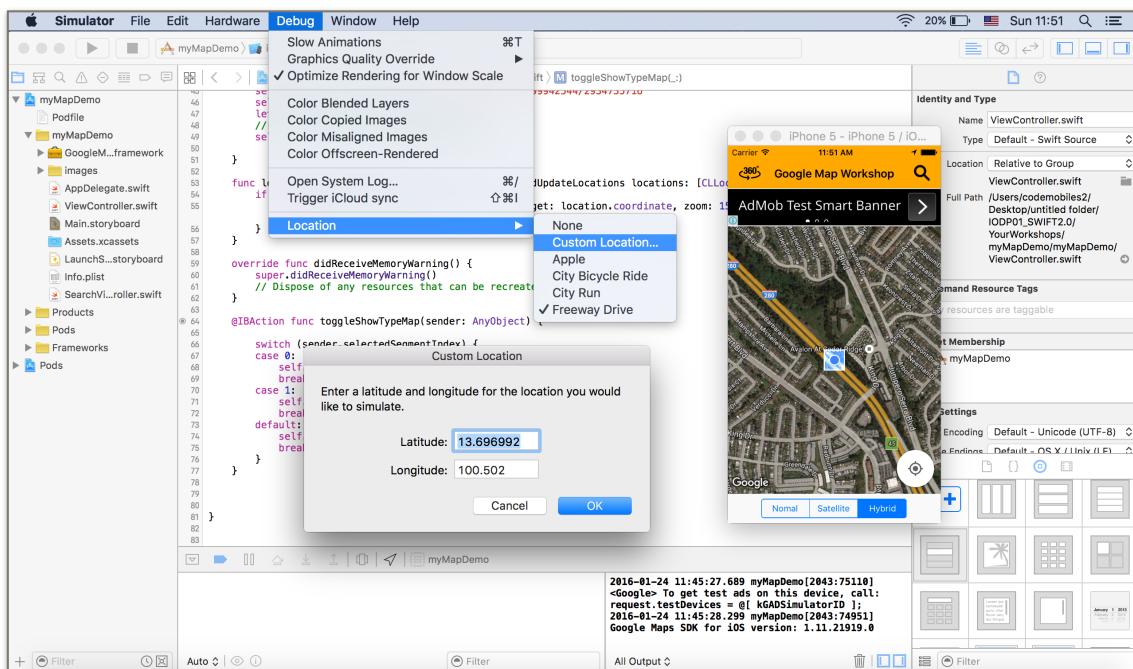
```
// swiftlint:disable all
//
// ViewController.swift
// myMapDemo
//
// Created by Codemobiles2 on 1/24/2559 BE.
// Copyright © 2559 CodeMobiles. All rights reserved.
//
// MARK: - Properties
//
// MARK: - ViewDidLoad
//
// MARK: - didReceiveMemoryWarning
```

A screenshot of the Xcode IDE. The top menu bar shows "Simulator", "File", "Edit", "Hardware", "Debug", "Window", and "Help". The "Debug" menu is open, showing options like "Slow Animations", "Graphics Quality Override", and "Optimize Rendering for Window Scale". Below the menu is a code editor with Swift code for a map application. A callout box highlights the "Location" option in the "Debug" menu, which has a submenu with items: "None", "Custom Location...", "Apple", "City Bicycle Ride", "City Run", and "Freeway Drive", with "Freeway Drive" being the selected item. To the right of the code editor is a "Google Map Workshop" interface showing a map of Europe with various locations marked. At the bottom right is a "Normal", "Satellite", and "Hybrid" view selector.

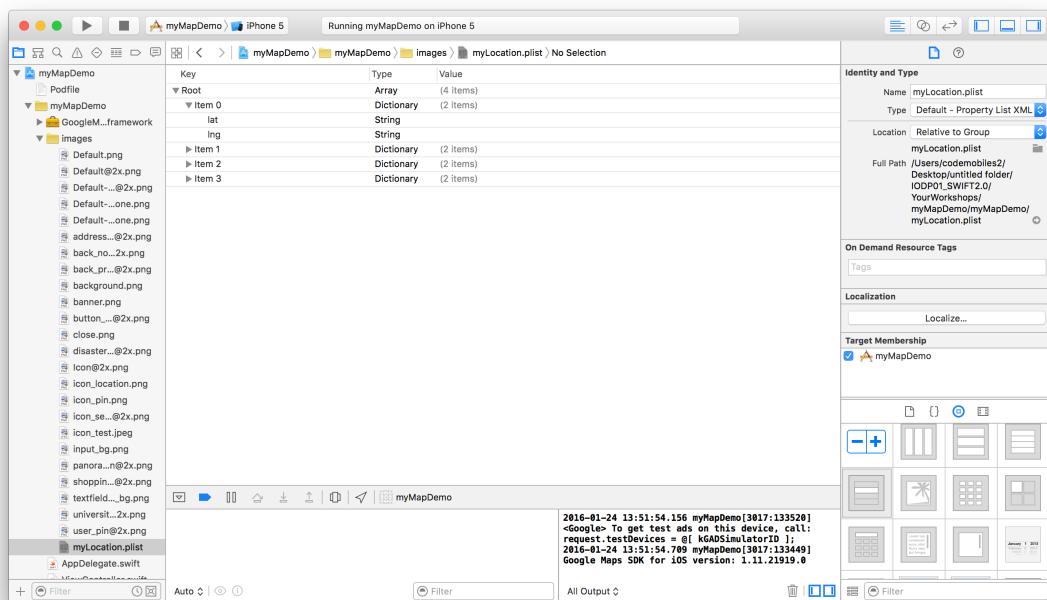
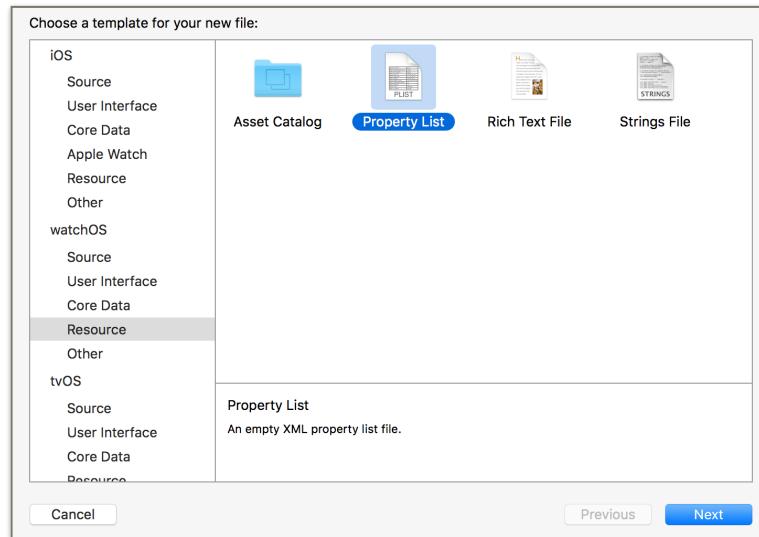


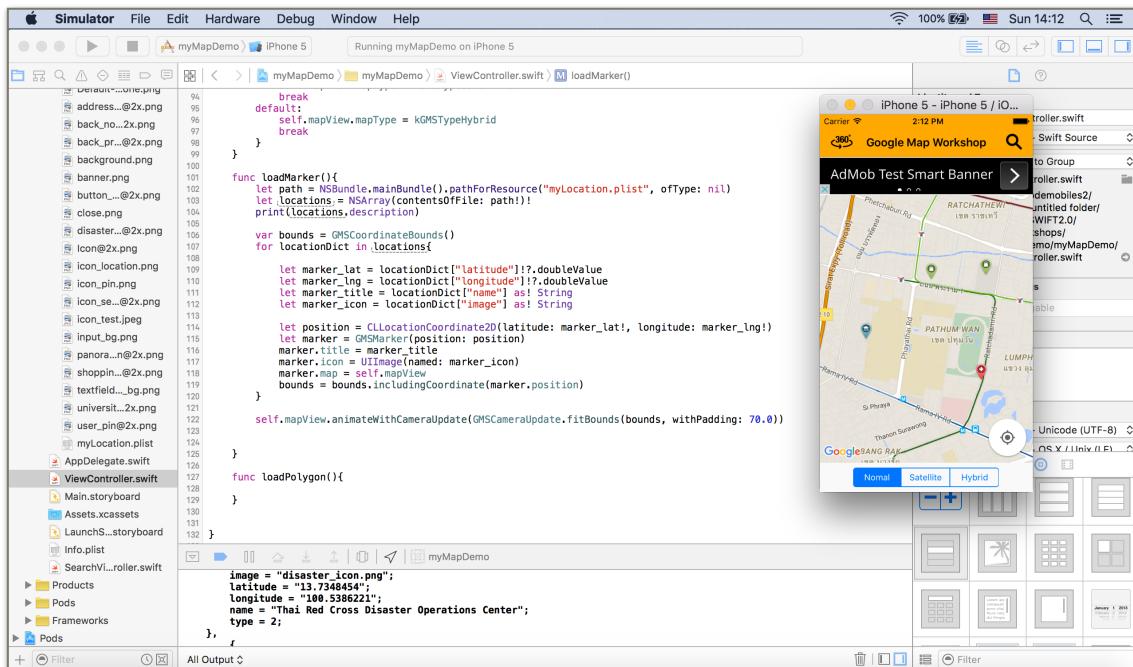


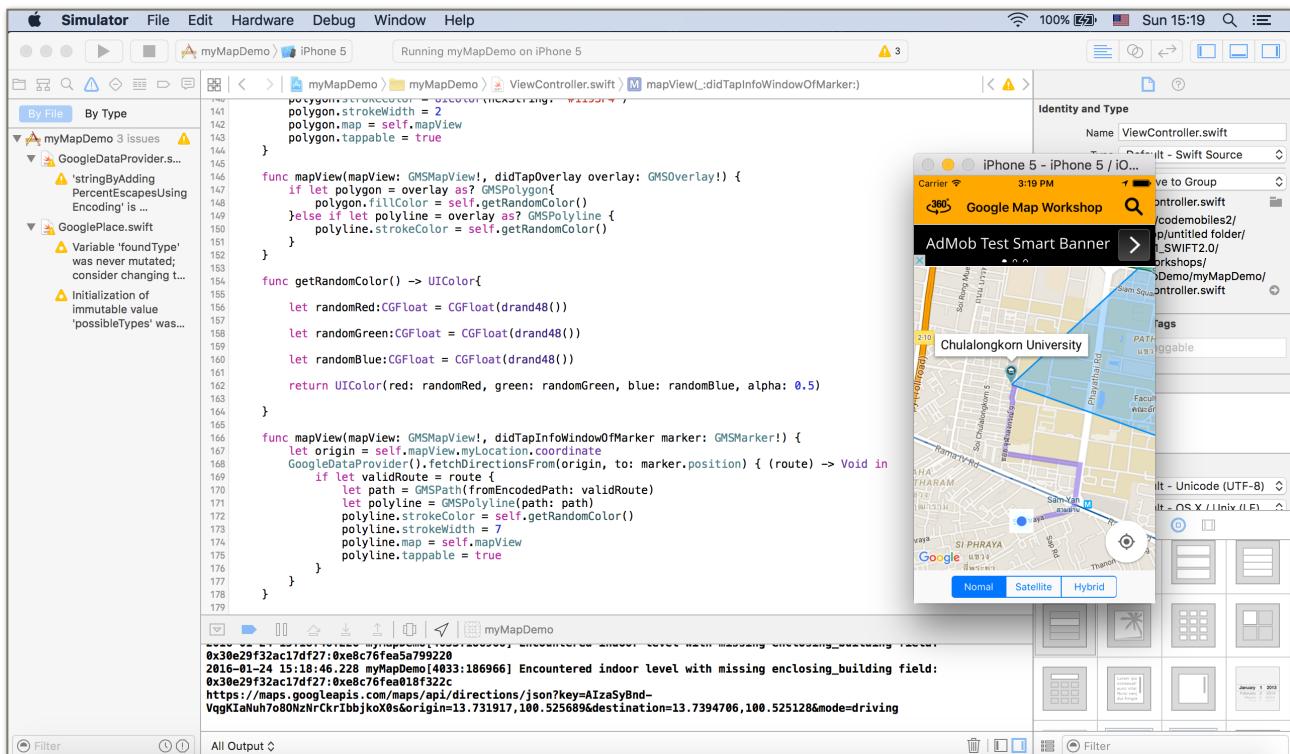




สร้าง Array position ของ marker เพื่อใช้ในการวาด polygon







การทำ Street View

The screenshot shows the Xcode interface with the following details:

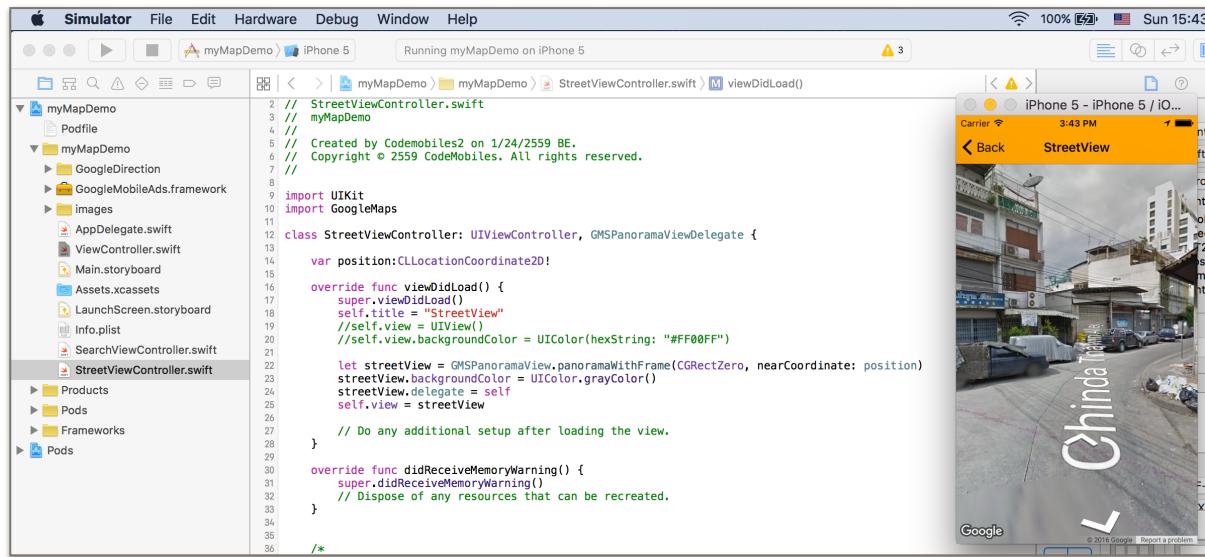
- Project Navigator:** Shows the project structure for "myMapDemo".
- Editor:** Displays the content of `StreetViewController.swift`. The code handles view loading, memory warnings, and navigation preparation.
- Build Log:** Located at the bottom, it shows the following output:

```
2016-01-24 15:20:08.611 myMapDemo[4103:186065] Encountered indoor level with missing enclosing_building field:  
https://maps.googleapis.com/maps/api/directions/json?sensor=false&origin=13.731917,100.525689&destination=13.7394706,100.525128&mode=driving
```
- Identity and Type:** Shows the file is a Swift source file named `StreetViewController.swift`.
- On Demand Resource Tags:** States "Only resources are taggable".
- Target Membership:** Shows the target is `myMapDemo`.
- Text Settings:** Set to Unicode (UTF-8) and Default - OS X (Linux) Line Endings.



The screenshot shows the Xcode interface with the following details:

- Project Navigator:** Shows the project structure with files like AppDelegate.swift, ViewController.swift, Main.storyboard, and Assets.xcassets.
- Code Editor:** Displays the ViewController.swift code. The code handles location requests, manages markers, and interacts with Google Maps. It includes methods for adding markers to the map view and handling unwind segues from a search view controller.
- Output Navigator:** Shows log entries indicating issues with indoor levels and missing enclosing building fields, along with the Google Maps SDK version information.
- Document Outline:** Shows the storyboard structure with various view controllers and their components.



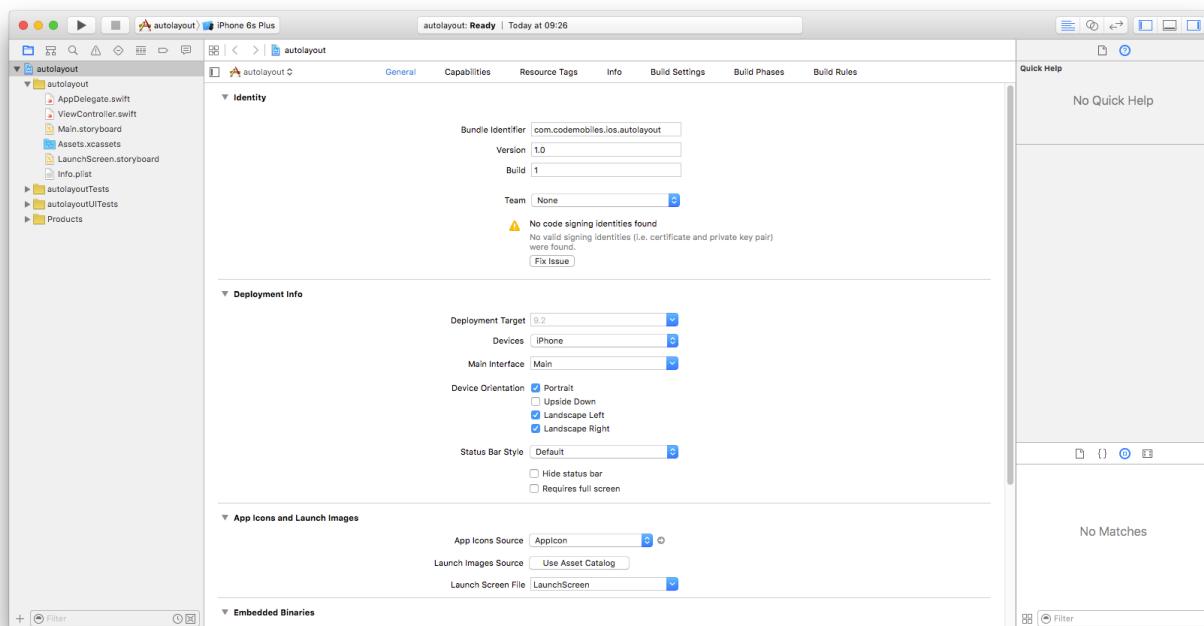
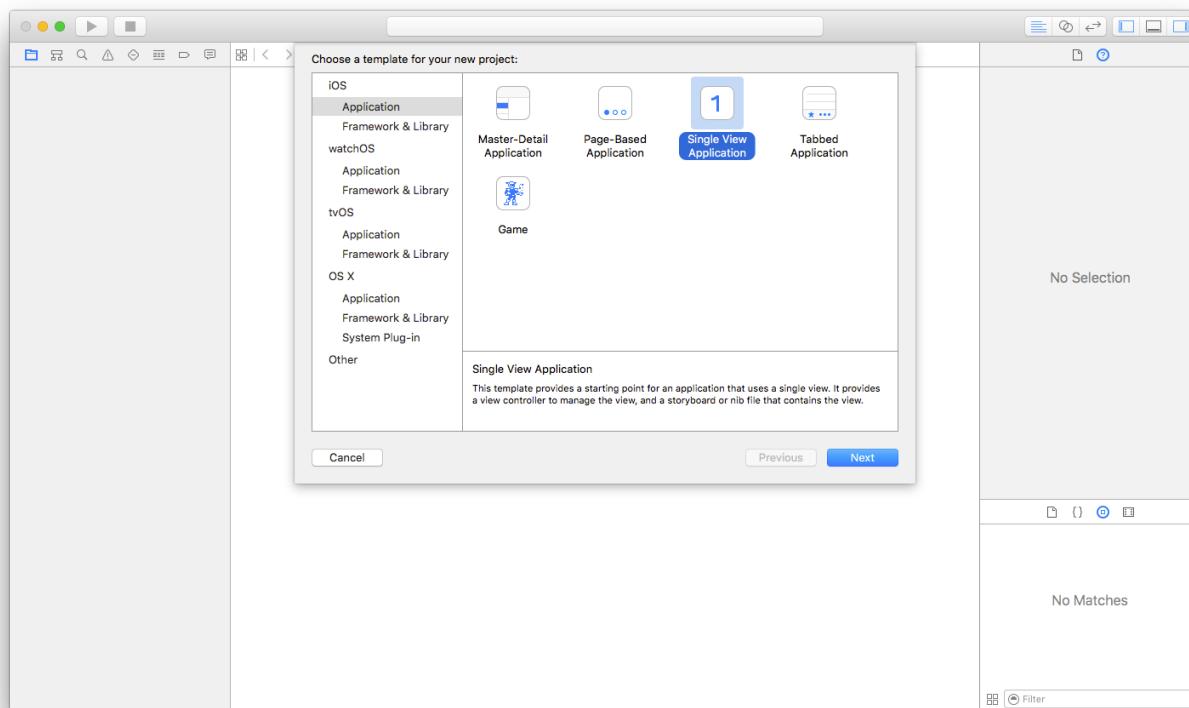
การทำ Animation การหมุนของปุ่ม 360 องศา

```

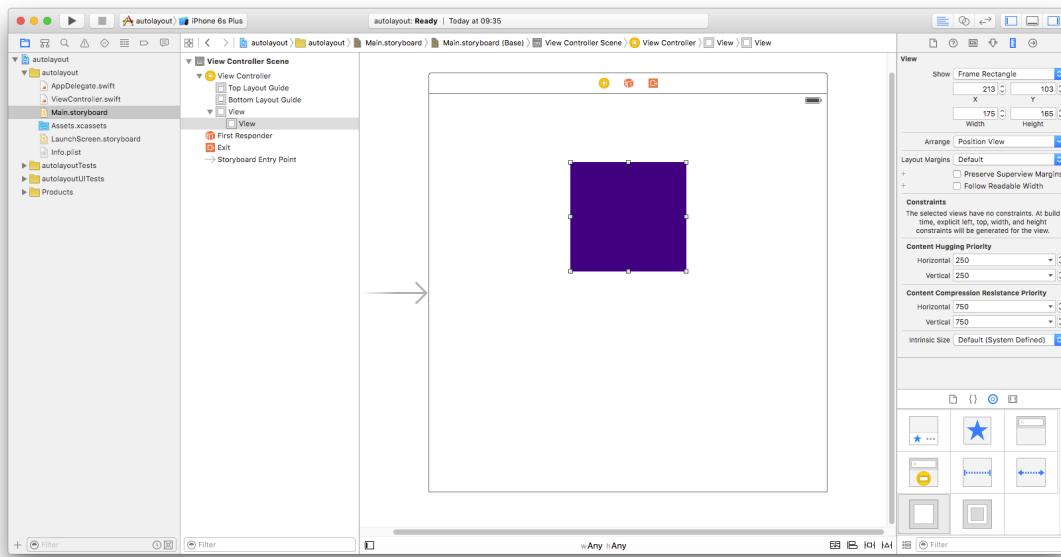
43 }
44
45 self.loadAdmob()
46
47 // Do any additional setup after loading the view, typically from a nib.
48 }
49
50 @IBAction func runAnimation(){
51
52 if (self.timer == nil){
53
54 self.timer = NSTimer.scheduledTimerWithTimeInterval(0.4, target: self, selector:
55 Selector("moveCamera"), userInfo: nil, repeats: true)
56
57 }else{
58 self.timer?.invalidate()
59 self.timer = nil
60
61 }
62
63 func moveCamera(){
64
65 let camera = self.mapView.camera
66 let zoom = fmaxf(camera.zoom-0.1, 17.5)
67
68 let newCamera = GMSCameraPosition(target: camera.target, zoom: zoom, bearing: camera.bearing+10,
69 viewingAngle: camera.viewingAngle+10)
70 self.mapView.animateToCameraPosition(newCamera);
71
72
73
74
75 func mapView(mapView: GMSMapView!, didLongPressAtCoordinate coordinate: CLLocationCoordinate2D) {
76
77 let streetView = StreetViewController()
78 streetView.position = coordinate
79 self.navigationController?.pushViewController(streetView, animated: true)
80
81 }
82
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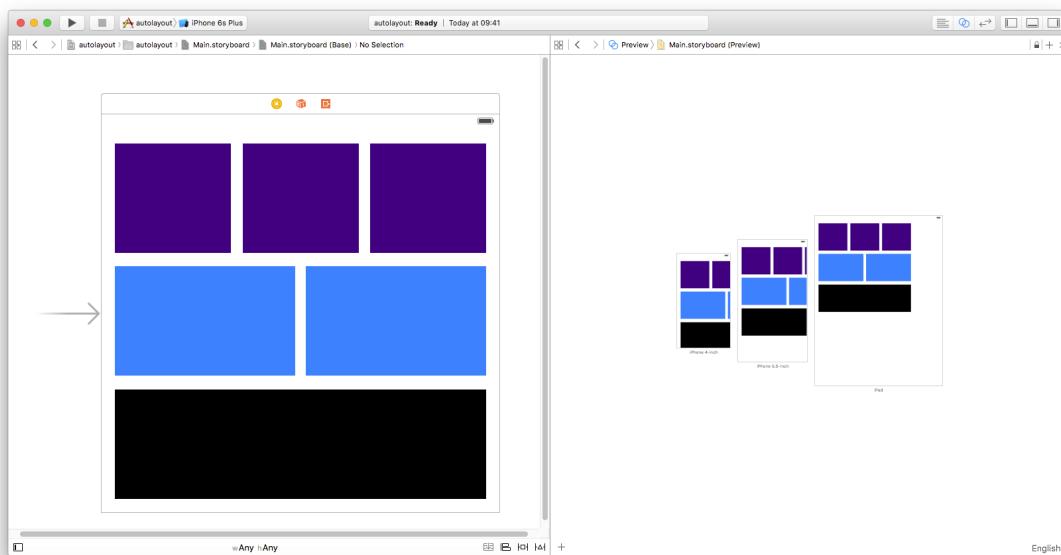
การทำ AutoLayout
new project



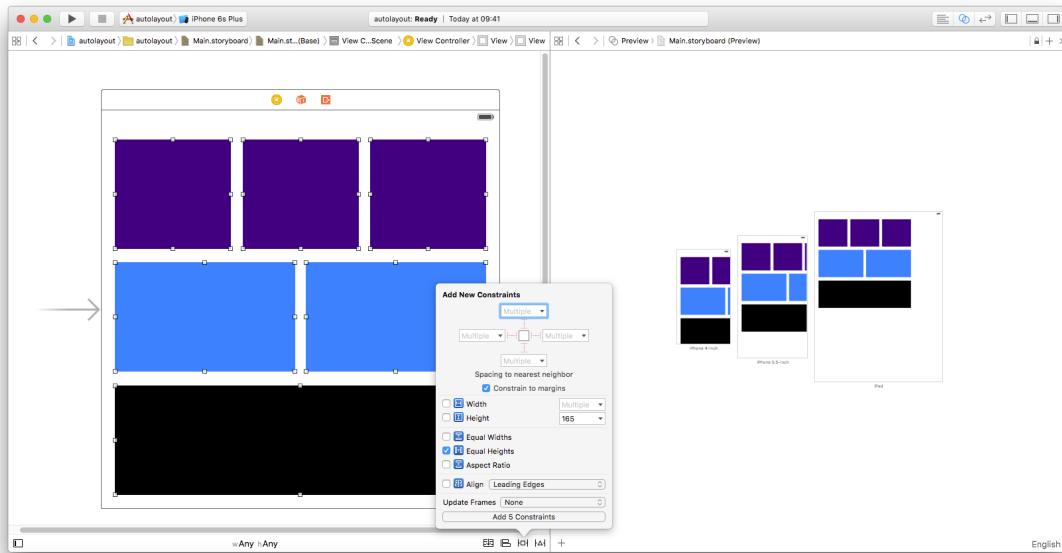
สร้าง UIView



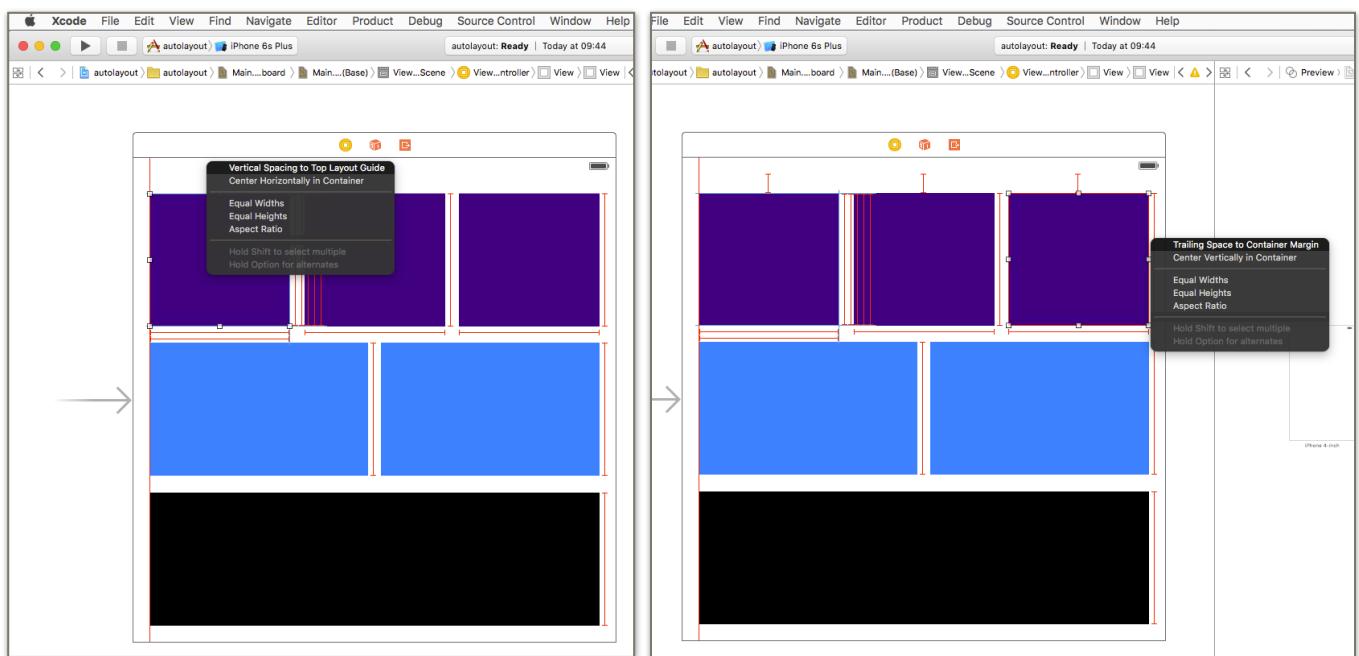
เพิ่มเมนู Preview เพื่อดูการแสดงผล UI



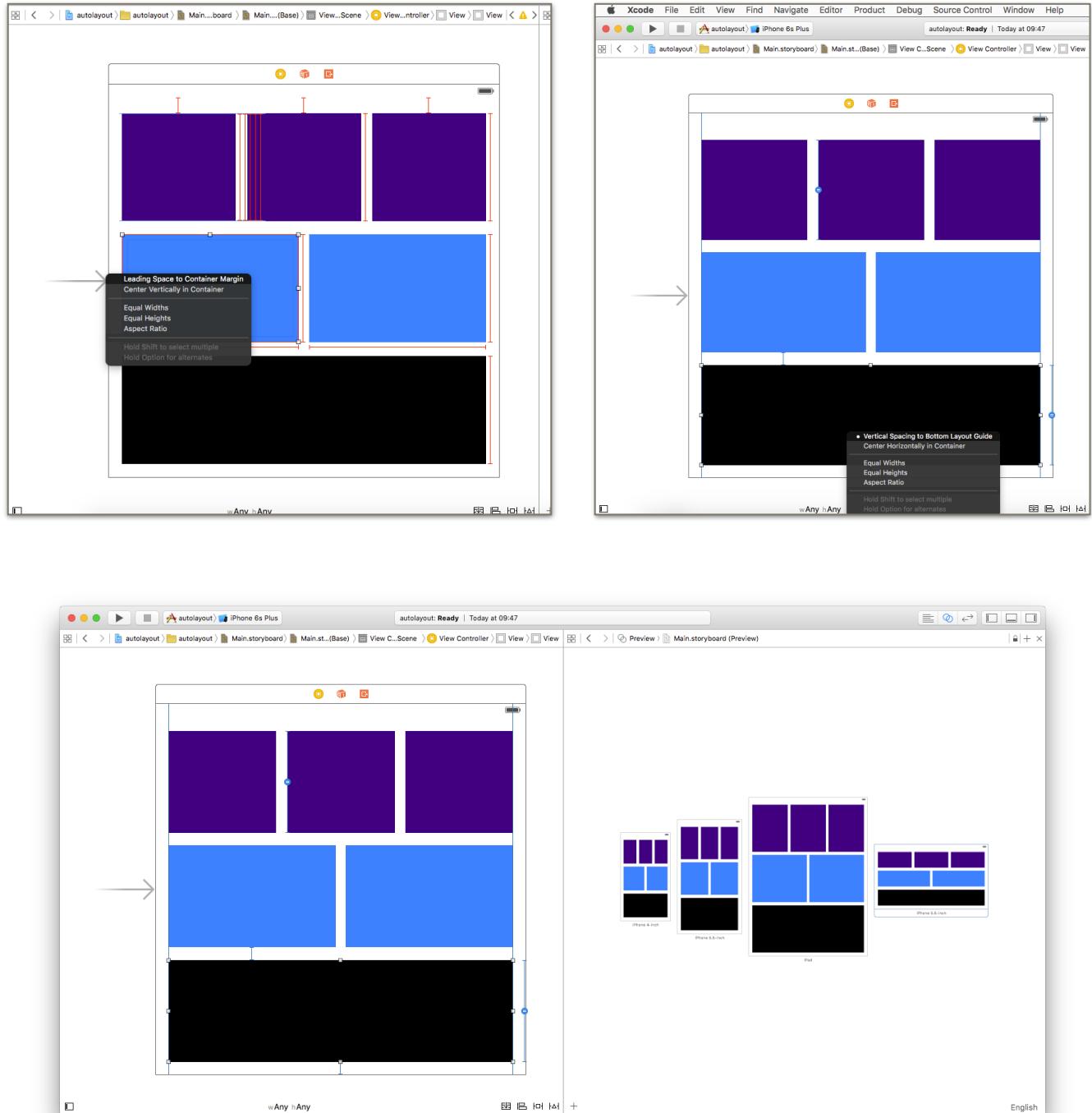
เลือก View ทั้งหมดปรับ Height ให้เท่ากัน



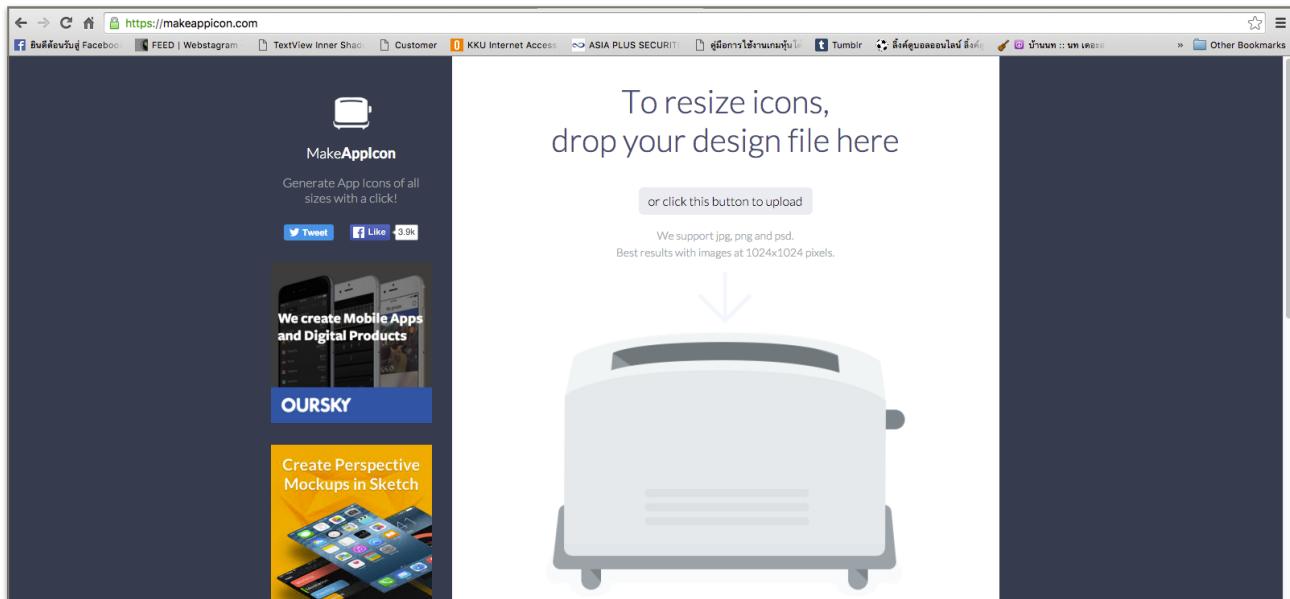
เลือก Vertical Spacing to Top Layout Guide เพื่ออิงตำแหน่งด้านบน
เลือก Trailing Space to Top Container Margin เพื่ออิงตำแหน่งด้านขวา



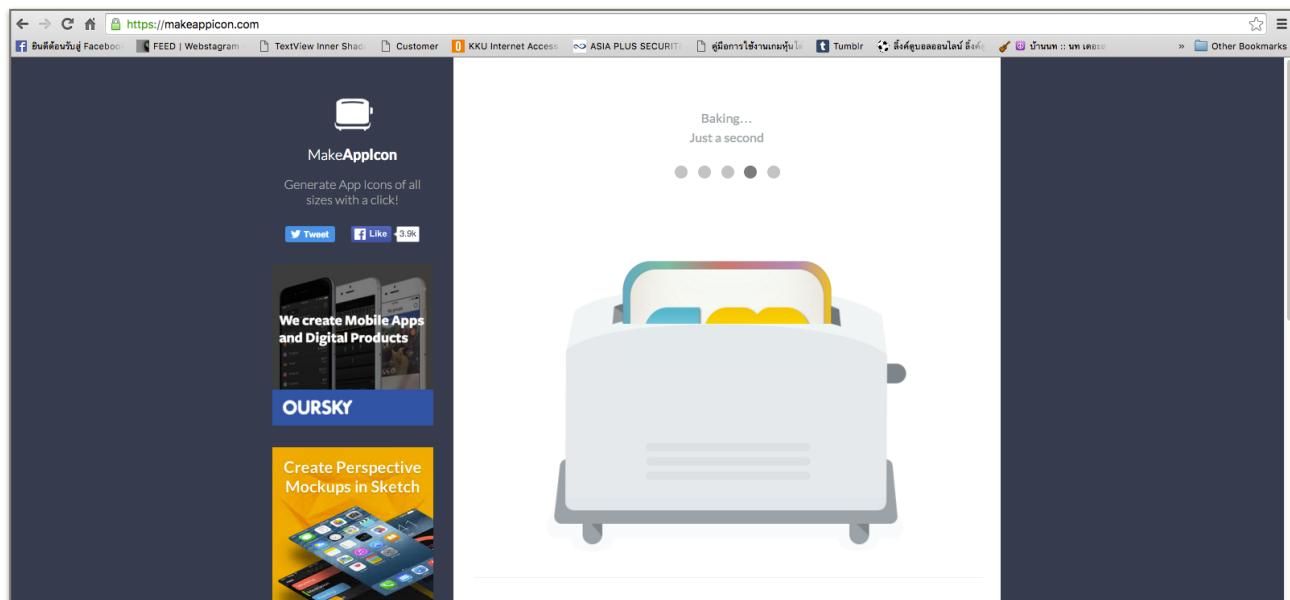
เลือก Leading Space to Container Margin เพื่ออิงตำแหน่งด้านซ้าย
 เลือก Vertical Spacing to Bottom Layout Guide เพื่ออิงตำแหน่งด้านล่าง



การ Generate Icon for IOS เข้าที่เว็บไซต์ www.makeappicon.com

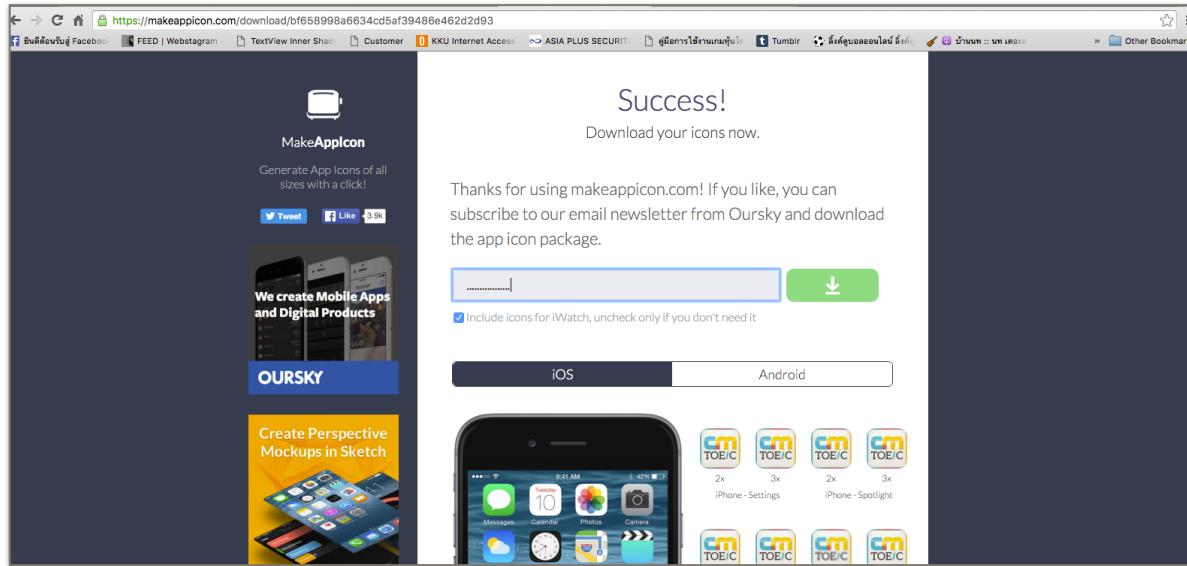


ลากรูปภาพไอคอนมาใส่ที่ เตาปิ้งขนมปัง



***جبตัว workshop AutoLayout

ໄສອື່ນເພື່ອຮັບຮູບການໂຄອນ



ເຂົ້າຮູບການໂຄອນທີ່ໄດ້ມາໃສ່ໃນ Assets.xcassets

