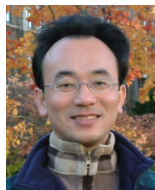




# Social Media Apps Programming

## jQuery Mobile/Phonegap

1041SMAP08  
TLMXM1A (8687) (M2143) (Fall 2015)  
(MIS MBA) (2 Credits, Elective) [Full English Course]  
Wed 9,10 (16:10-18:00) B310



Min-Yuh Day, Ph.D.  
Assistant Professor

Department of Information Management  
Tamkang University

<http://mail.tku.edu.tw/myday>



# Course Schedule (1/3)

Week	Date	Subject/Topics
1	2015/09/16	Course Orientation and Introduction to Social Media and Mobile Apps Programming
2	2015/09/23	Introduction to Android / iOS Apps Programming
3	2015/09/30	Developing Android Native Apps with Java (Android Studio) (MIT App Inventor)
4	2015/10/07	Developing iPhone / iPad Native Apps with Swift (XCode)
5	2015/10/14	Mobile Apps using HTML5/CSS3/JavaScript
6	2015/10/21	jQuery Mobile

# Course Schedule (2/3)

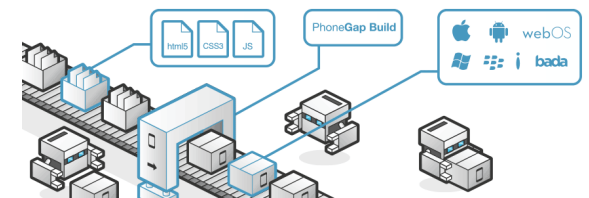
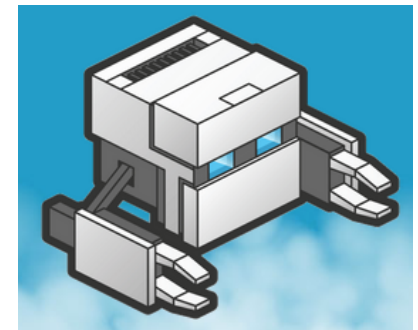
Week	Date	Subject/Topics
7	2015/10/28	Create Hybrid Apps with Phonegap
8	2015/11/04	jQuery Mobile/Phonegap
9	2015/11/11	jQuery Mobile/Phonegap
10	2015/11/18	Midterm Exam Week (Midterm Project Report)
11	2015/11/25	Case Study on Social Media Apps Programming and Marketing in Google Play and App Store
12	2015/12/02	Google Cloud Platform

# Course Schedule (3/3)

Week	Date	Subject/Topics
13	2015/12/09	Google App Engine
14	2015/12/16	Google Map API
15	2015/12/23	Facebook API (Facebook JavaScript SDK) (Integrate Facebook with iOS/Android Apps)
16	2015/12/30	Twitter API
17	2016/01/06	Final Project Presentation
18	2016/01/13	Final Exam Week (Final Project Presentation)

# Outline

- jQuery Mobile/PhoneGap
  - HTML5, CSS3, JavaScript
  - jQuery Mobile
  - PhoneGap
  - PhoneGap Build
    - index.html, css, js, png
    - config.xml
- Demo
  - Create Hybrid Apps with PhoneGap
  - Testing iOS and Android Devices



# Android /iOS Apps Programming

Native Apps

Hybrid Apps

Mobile Web Apps



# App Development Comparison



Native Apps



Hybrid Apps

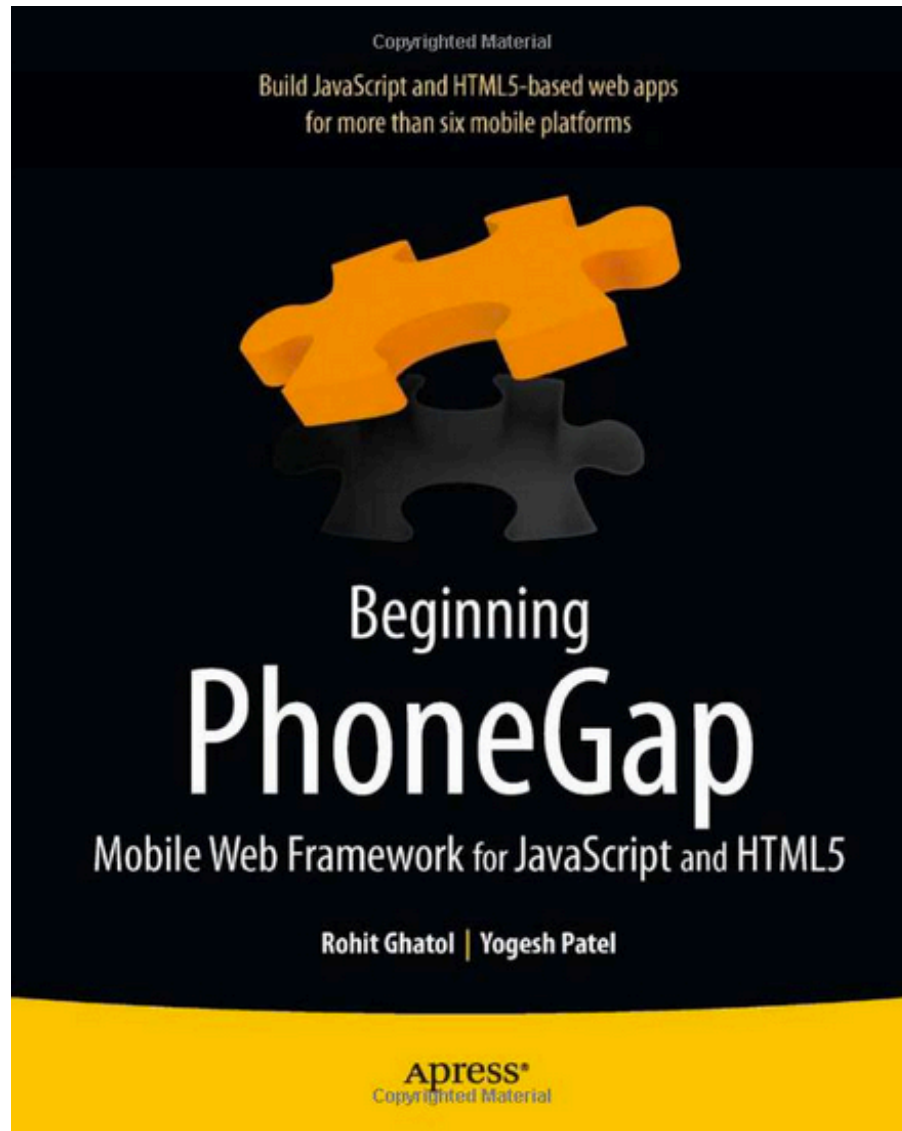


Web Apps



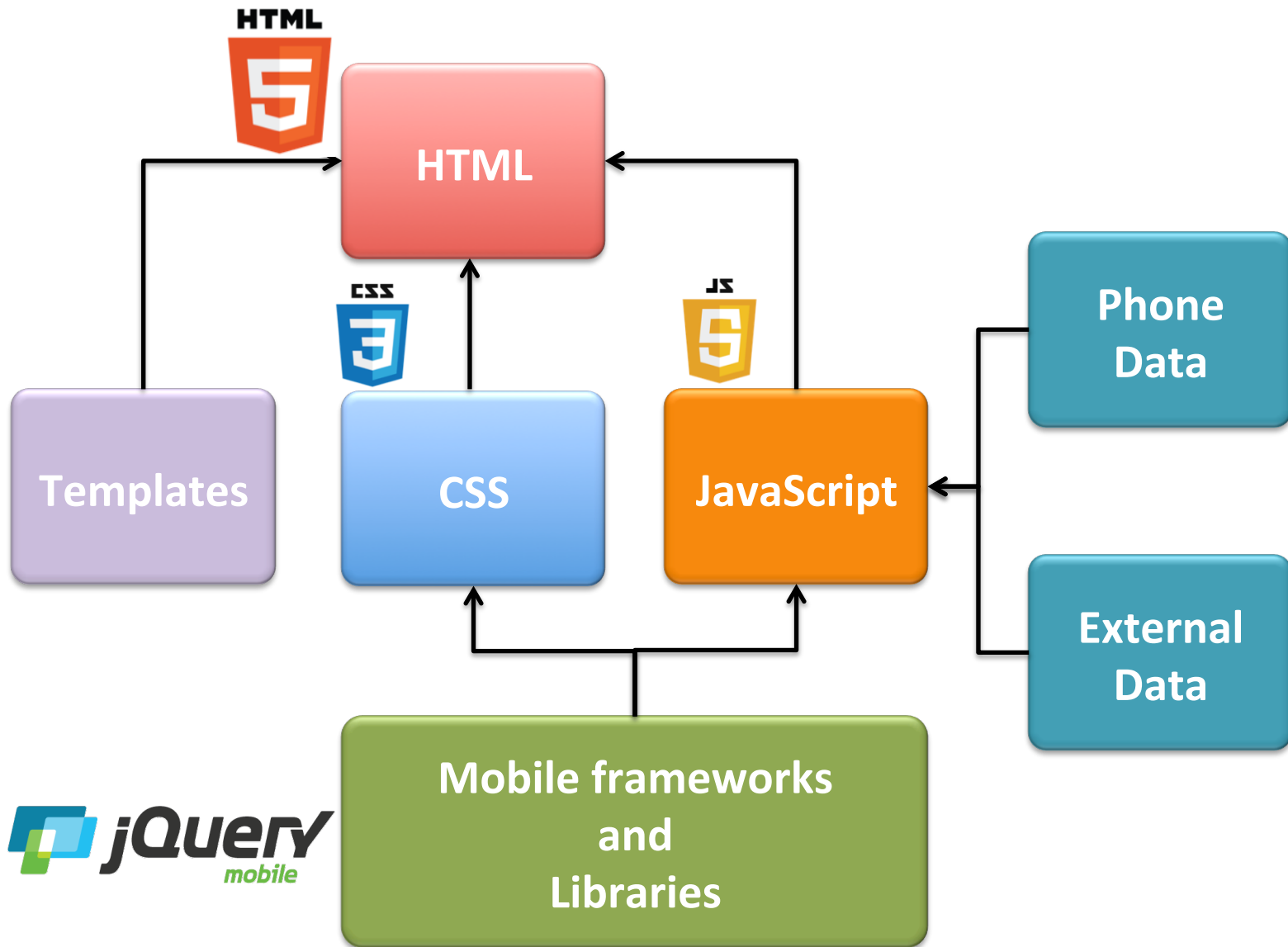
# Beginning PhoneGap: Mobile Web Framework for JavaScript and HTML5

Rohit Ghatol & Yogesh Patel, Apress, 2012





# Mobile Web App



# PhoneGap, jQuery Mobile, jQuery

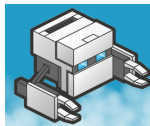


**jQuery Mobile**  
(User Interface)

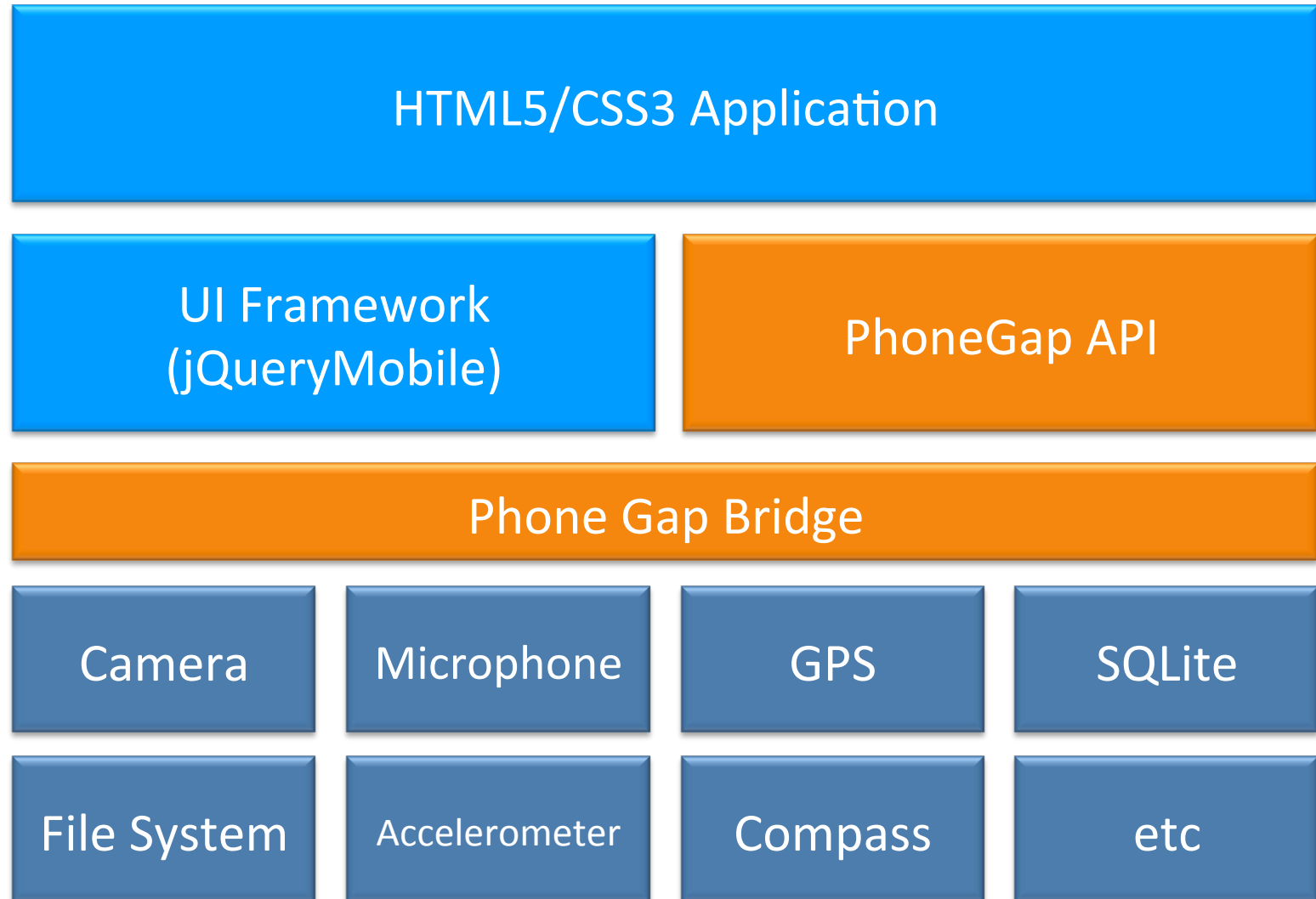


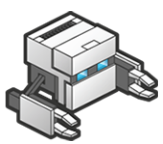
**jQuery**  
(Logic and Computing)

**PhoneGap**  
(Hardware Interface)

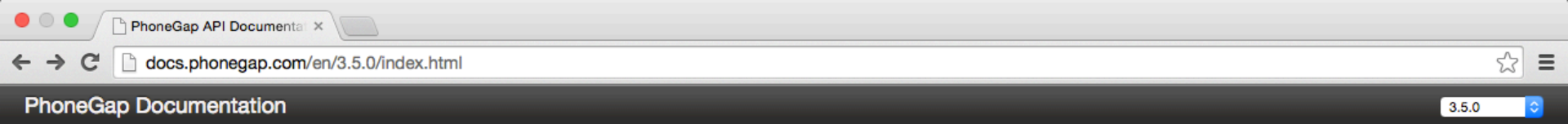


# PhoneGap App Architecture





# PhoneGap API Documentation



## Home

### Guides

#### Guides

Overview

Platform Support

The Command-Line Interface

Platform Guides

Using Plugman to Manage Plugins

The config.xml File

Icons and Splash Screens

Embedding WebViews

Plugin Development Guide

Privacy Guide

Security Guide

Whitelist Guide

Storage

Next Steps

Keyword Index

API Reference

#### Overview

Start here if you are new to Cordova. Includes installation and next steps.

#### Platform Guides

Set up each platform SDK and update projects.

#### Icons and Splash Screens

Customize your app's displaying images.

#### Privacy Guide

Learn about important mobile privacy issues.

#### Storage

An overview of native storage options.

#### Platform Support

Compatibility table for all major features.

#### Using Plugman to Manage Plugins

Manage plugins without the CLI when using the platform-centered workflow.

#### Embedding WebViews

Implement the Cordova WebView in your native project.

#### Security Guide

Information and tips for building a secure application.

#### Next Steps

A look at topics that new Cordova developers will encounter.

#### The Command-Line Interface

Create, build, and deploy from the command-line.

#### The config.xml File

Customize your app's features.

#### Plugin Development Guide

Develop your own plugin.

#### Whitelist Guide

Grant an application access to external resources.

#### Keyword Index

Full index of the documentation.

# PhoneGap API: Camera

PhoneGap API Documentat x

docs.phonegap.com/en/2.9.0/cordova\_camera\_camera.md.html#Camera

PhoneGap Documentation 2.9.0

## Camera

Camera

### Quick Example

Take a photo and retrieve it as a base64-encoded image:

```
navigator.camera.getPicture(onSuccess, onFail, { quality: 50,
  destinationType: Camera.DestinationType.DATA_URL
});

function onSuccess(imageData) {
  var image = document.getElementById('myImage');
  image.src = "data:image/jpeg;base64," + imageData;
}

function onFail(message) {
  alert('Failed because: ' + message);
}
```

Take a photo and retrieve the image's file location:

```
navigator.camera.getPicture(onSuccess, onFail, { quality: 50,
  destinationType: Camera.DestinationType.FILE_URI });

function onSuccess(imageURI) {
  var image = document.getElementById('myImage');
  image.src = imageURI;
}

function onFail(message) {
  alert('Failed because: ' + message);
}
```

### Full Example

```
<!DOCTYPE html>
```

# PhoneGap API: Geolocation

PhoneGap API Documentat x

docs.phonegap.com/en/2.9.0/cordova\_geolocation\_geolocation.md.html#Geolocation

PhoneGap Documentation 2.9.0

## Geolocation

Geolocation

### Quick Example

```
// onSuccess Callback
// This method accepts a Position object, which contains the
// current GPS coordinates
//
var onSuccess = function(position) {
  alert('Latitude: '    + position.coords.latitude   + '\n' +
        'Longitude: '   + position.coords.longitude  + '\n' +
        'Altitude: '    + position.coords.altitude   + '\n' +
        'Accuracy: '    + position.coords.accuracy   + '\n' +
        'Altitude Accuracy: ' + position.coords.altitudeAccuracy + '\n' +
        'Heading: '     + position.coords.heading    + '\n' +
        'Speed: '       + position.coords.speed      + '\n' +
        'Timestamp: '   + position.timestamp        + '\n');
};

// onError Callback receives a PositionError object
//
function onError(error) {
  alert('code: '      + error.code    + '\n' +
        'message: '   + error.message + '\n');
}

navigator.geolocation.getCurrentPosition(onSuccess, onError);
```

### Full Example

```
<!DOCTYPE html>
<html>
  <head>
    <title>Device Properties Example</title>

    <script type="text/javascript" charset="utf-8" src="cordova-x.x.x.js"></script>
    <script type="text/javascript" charset="utf-8">

      // Wait for device API libraries to load
      //
      document.addEventListener("deviceready", onDeviceReady, false);
```

# PhoneGap API: Storage

The screenshot shows a web browser displaying the PhoneGap API documentation for the Storage API. The browser's address bar shows the URL: [docs.phonegap.com/en/2.9.0/cordova\\_storage\\_storage.md.html#Storage](http://docs.phonegap.com/en/2.9.0/cordova_storage_storage.md.html#Storage). The page title is "Storage". On the left, there is a navigation menu with "API Reference" selected, and a list of API categories including Accelerometer, Camera, Capture, Compass, Connection, Contacts, Device, Events, File, Geolocation, Globalization, InAppBrowser, Media, Notification, Splashscreen, Storage, and Guides. The main content area is titled "Storage" and lists supported platforms: BlackBerry WebWorks (OS 6.0 and higher), iOS, and Tizen. Below this, there are two code examples: "Quick Example" and "Full Example".

PhoneGap API Documentat x

docs.phonegap.com/en/2.9.0/cordova\_storage\_storage.md.html#Storage

PhoneGap Documentation 2.9.0

## Storage

- BlackBerry WebWorks (OS 6.0 and higher)
- iOS
- Tizen

### Quick Example

```
var db = window.openDatabase("test", "1.0", "Test DB", 1000000);
```

### Full Example

```
<!DOCTYPE html>
<html>
  <head>
    <title>Storage Example</title>
    <script type="text/javascript" charset="utf-8" src="cordova-x.x.x.js"></script>
    <script type="text/javascript" charset="utf-8">
      // Wait for device API libraries to load
      //
      document.addEventListener("deviceready", onDeviceReady, false);
      // device APIs are available
      //
      function onDeviceReady() {
        var db = window.openDatabase("test", "1.0", "Test DB", 1000000);
      }
    </script>
  </head>
  <body>
    <h1>Example</h1>
    <p>Open Database</p>
  </body>
</html>
```

```

<!DOCTYPE html>
<html>
  <head>
    <title>Storage Example</title>

    <script type="text/javascript" charset="utf-8" src="cordova-x.x.x.js"></script>
    <script type="text/javascript" charset="utf-8">

      // Wait for device API libraries to load
      //
      document.addEventListener("deviceready", onDeviceReady, false);

      // device APIs are available
      //
      function onDeviceReady() {
        var db = window.openDatabase("Database", "1.0", "Cordova Demo", 200000);
        db.transaction(populateDB, errorCallback, successCB);
      }

      // Populate the database
      //
      function populateDB(tx) {
        tx.executeSql('DROP TABLE IF EXISTS DEMO');
        tx.executeSql('CREATE TABLE IF NOT EXISTS DEMO (id unique, data)');
        tx.executeSql('INSERT INTO DEMO (id, data) VALUES (1, "First row")');
        tx.executeSql('INSERT INTO DEMO (id, data) VALUES (2, "Second row")');
      }

      // Transaction error callback
      //
      function errorCallback(tx, err) {
        alert("Error processing SQL: "+err);
      }

      // Transaction success callback
      //
      function successCB() {
        alert("success!");
      }

    </script>
  </head>
  <body>
    <h1>Example</h1>
    <p>Database</p>
  </body>
</html>

```




# iOS Certificate (p12) file Provisioning profile

Adobe PhoneGap Build

https://build.phonegap.com/apps/573842/builds

## Myday Mobile App

Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University



Install

Update code Rebuild all

Builds Plugins Collaborators Settings

App ID	Version	PhoneGap	Owned by	Last built (18)	Source
573842	1.0.0	2.9.0	imyday@gmail.com	8 minutes	zip package

**Certificates.p12**

**MydayMobileApp.mobileprovision**

iOS No key selected [Rebuild] [Error]

title

certificate (p12) file [Choose File] No file chosen

provisioning profile [Choose File] No file chosen

[cancel] [submit key]

Powered by Adobe® PhoneGap™

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PhoneGap is a trademark of Adobe. You may not use PHONEGAP or GAP in the title of any application built using PhoneGap or the PhoneGap Build service.


# iOS Certificate (p12) file Provisioning profile

Adobe PhoneGap Build

https://build.phonegap.com/apps/573842/builds

Bd Apps Plugins Docs Blog FAQ Support

Myday Mobile App  
Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University



Install

Update code Rebuild all

Builds Plugins Collaborators Settings

App ID	Version	PhoneGap	Owned by	Last built (19)	Source
573842	1.0.0	2.9.0	imyday@gmail.com	7 minutes	zip package

Feedback

Certificates.p12

MydayMobileApp.mobileprovision

ios unlocked Myday Mobile App options No key selected add a key ...

Rebuild ipa

Rebuild apk

Rebuild xap

Rebuild OTA install

Rebuild ipk

Rebuild wgz

# MydayMobileApp.ipa


Adobe PhoneGap Build

https://build.phonegap.com/apps/573842/builds

Bd Apps Plugins Docs Blog FAQ Support

Myday Mobile App

Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University



Install

Update code Rebuild all

Builds Plugins Collaborators Settings

App ID	Version	PhoneGap	Owned by	Last built (19)	Source
573842	1.0.0	2.9.0	imyday@gmail.com	1 minute	zip package

ios Myday Mobile App Rebuild ipa

android No key selected Rebuild apk

wp No key selected Rebuild OTA install

hp Rebuild ipk

MydayMobileApp.ipa 3.2/5.4 MB, 7 secs left

Show All

# App Distribution on App Store

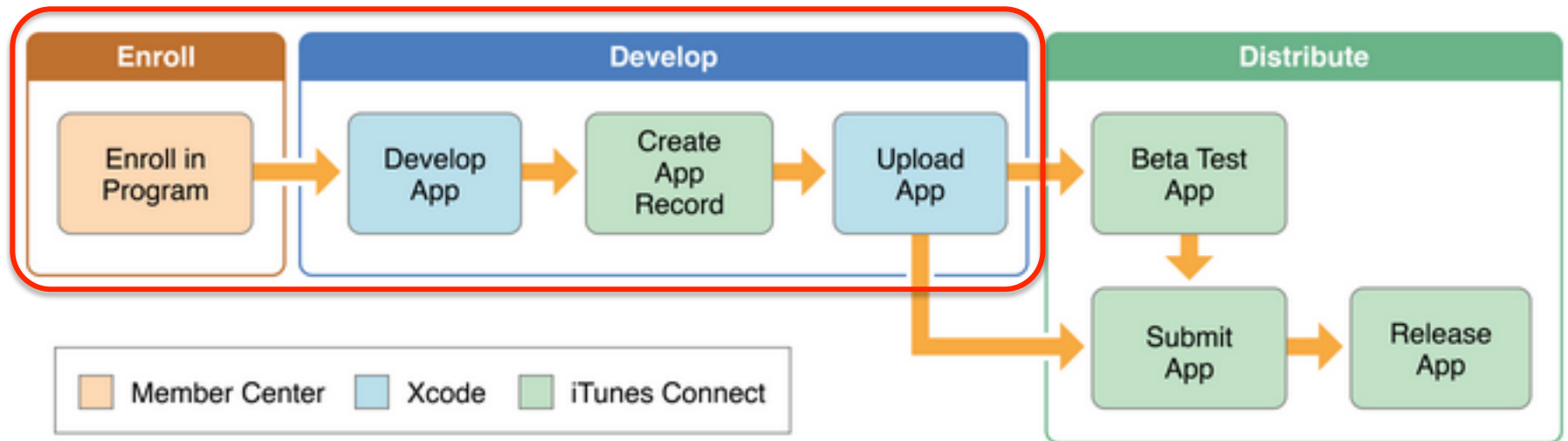
**About App Distribution**

This guide contains everything you need to know to distribute an app through the App Store or Mac App Store.

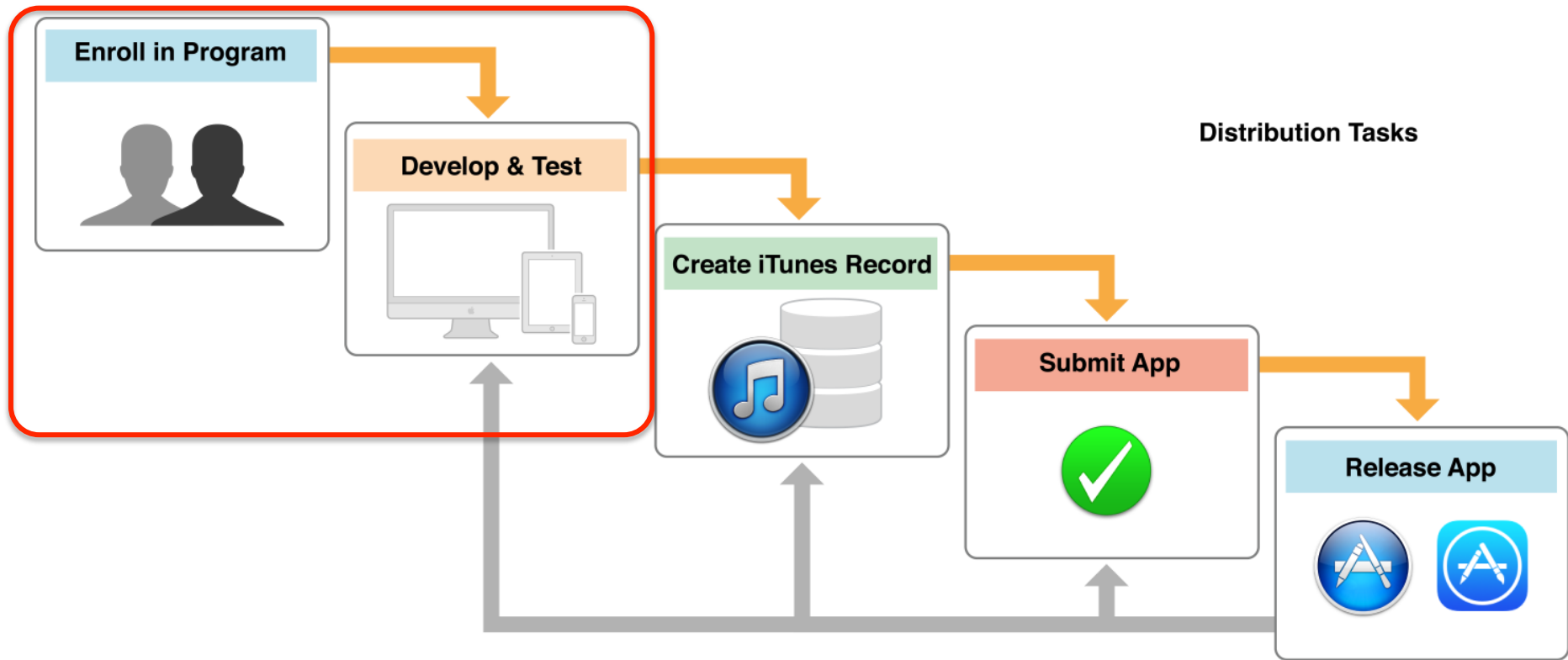
- Get step-by-step guidance for enrolling in an Apple Developer Program and building, testing, and submitting your app.
- Configure services that are available only to apps submitted to the App Store or Mac App Store.
- Test your app on multiple devices and system versions, or offer testers a preview of your next release.
- Upload metadata about your app so the store can present it to customers.
- Verify that you've prepared your app correctly, and submit it to the store.
- Learn how to release and maintain your app after submission.

**Note:** If you just want to use Xcode to run an app on a device or write code that uses a service, read [App Distribution Quick Start](#) first and then return to this document for additional tasks you'll perform throughout the lifetime of your app.

# Test on iOS Devices (iPhone/iPAD)



# Test on iOS Devices (iPhone/iPAD)



# Testing iOS App



- Provisioning Profile
- Developer Portal
- Code Signing
- Bundle ID
- Keychain Access
- App ID
- Certificates
- Xcode Organizer

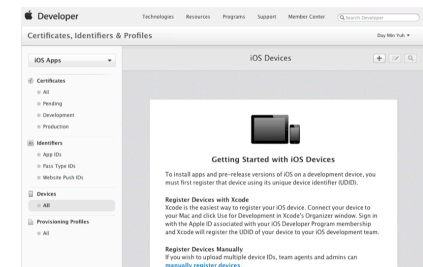
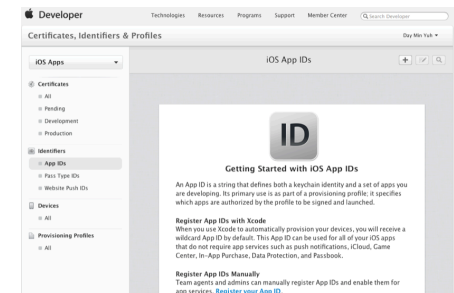
# Basics of iOS Device Testing

1 You have PERMISSION



2 Your App has PERMISSION

3 Your Device has PERMISSION





1

# You have PERMISSION

Developer

Technologies

Resources

Programs

Support

Member Center



## iOS Developer Program

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1

You have PERMISSION



Keychain Access

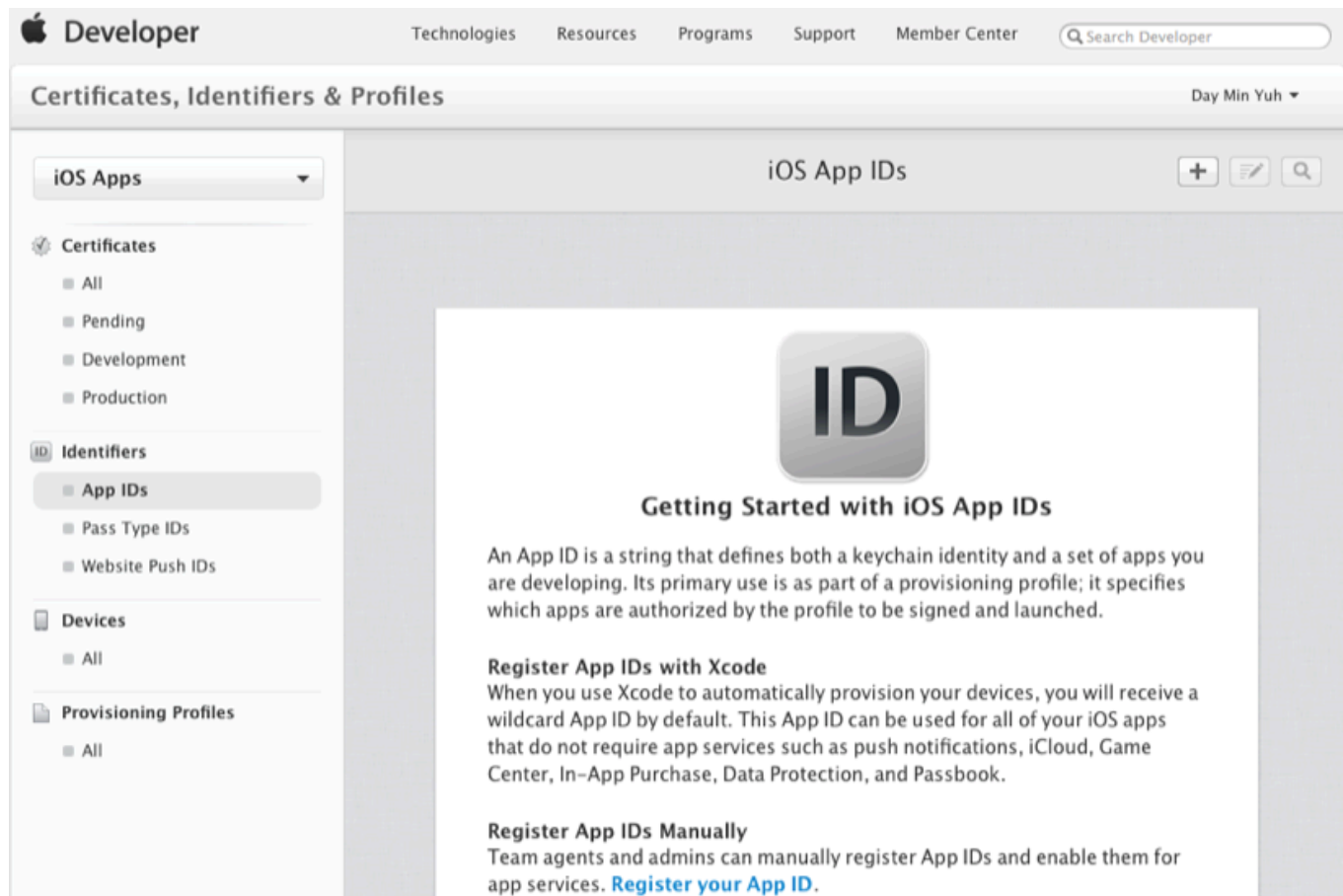


Certificates

2

# Your App has PERMISSION

com.myDomain.myApp



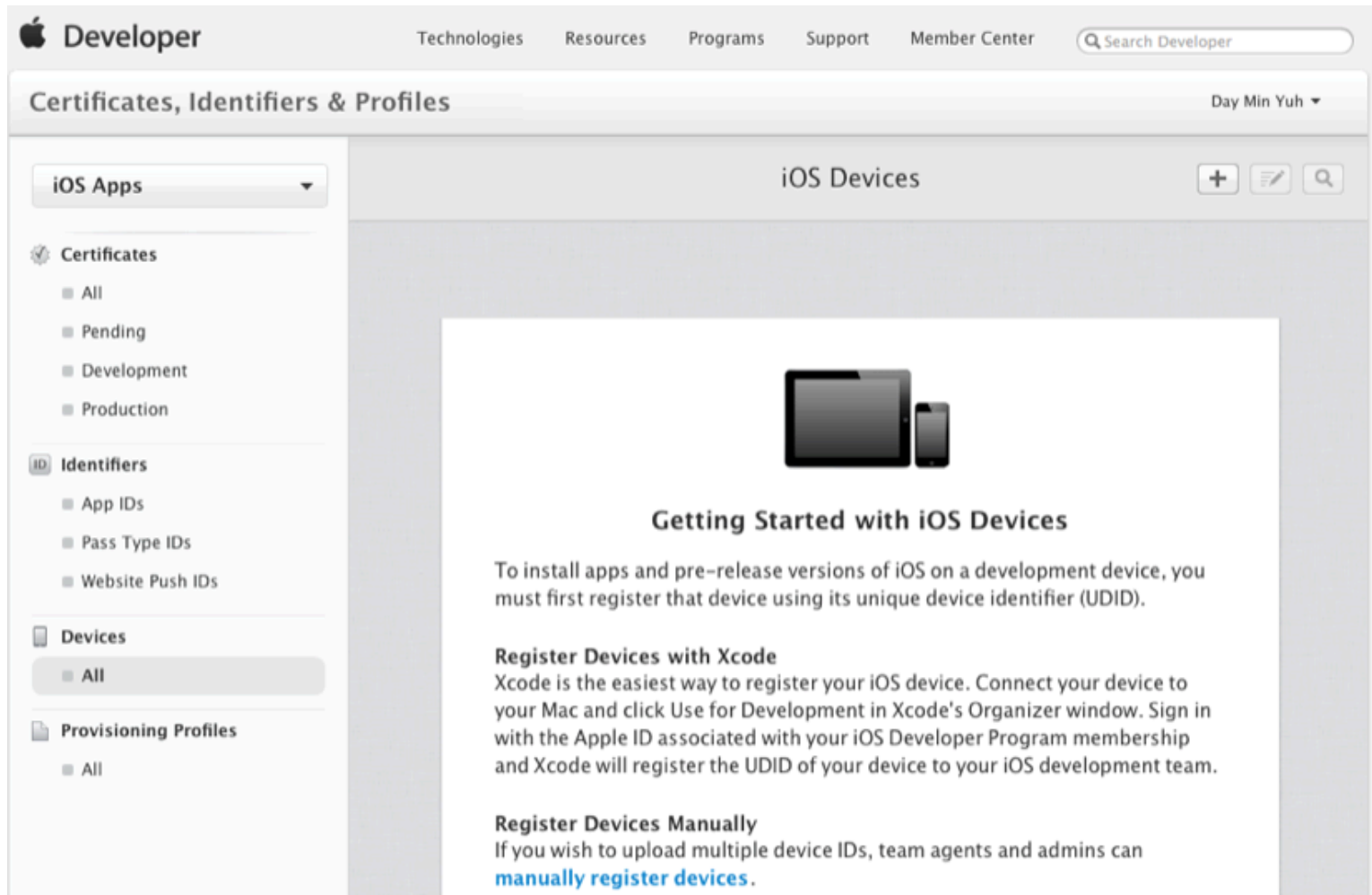
3

# Your Device has PERMISSION



# 3

# Your Device has PERMISSION



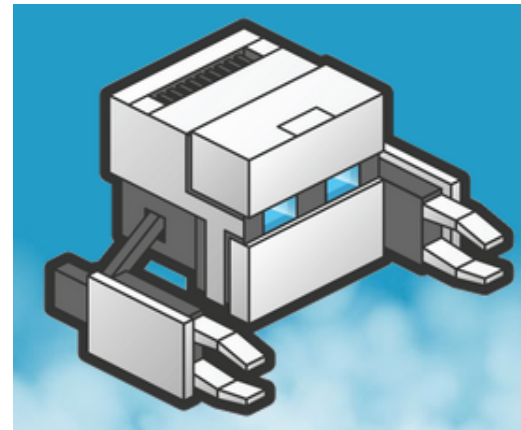
The screenshot shows the Apple Developer portal interface. At the top, there's a navigation bar with 'Developer' and links for 'Technologies', 'Resources', 'Programs', 'Support', and 'Member Center'. A search bar is on the right. Below the navigation bar, the page title is 'Certificates, Identifiers & Profiles' with a user name 'Day Min Yuh' on the right. The main content area is titled 'iOS Devices' and features a '+', a list icon, and a search icon. On the left, there's a sidebar with a dropdown menu set to 'iOS Apps'. The sidebar has four main sections: 'Certificates' (with sub-items: All, Pending, Development, Production), 'Identifiers' (with sub-items: App IDs, Pass Type IDs, Website Push IDs), 'Devices' (with sub-item: All), and 'Provisioning Profiles' (with sub-item: All). The 'Devices' section is currently selected. The main content area displays a large white box with an image of an iPad and iPhone. Below the image, the heading is 'Getting Started with iOS Devices'. The text reads: 'To install apps and pre-release versions of iOS on a development device, you must first register that device using its unique device identifier (UDID).'. There are two sub-sections: 'Register Devices with Xcode' and 'Register Devices Manually'. The 'Register Devices with Xcode' section explains that Xcode is the easiest way to register a device, connecting it to a Mac and using Xcode's Organizer window. The 'Register Devices Manually' section states that team agents and admins can manually register devices.

# Demo

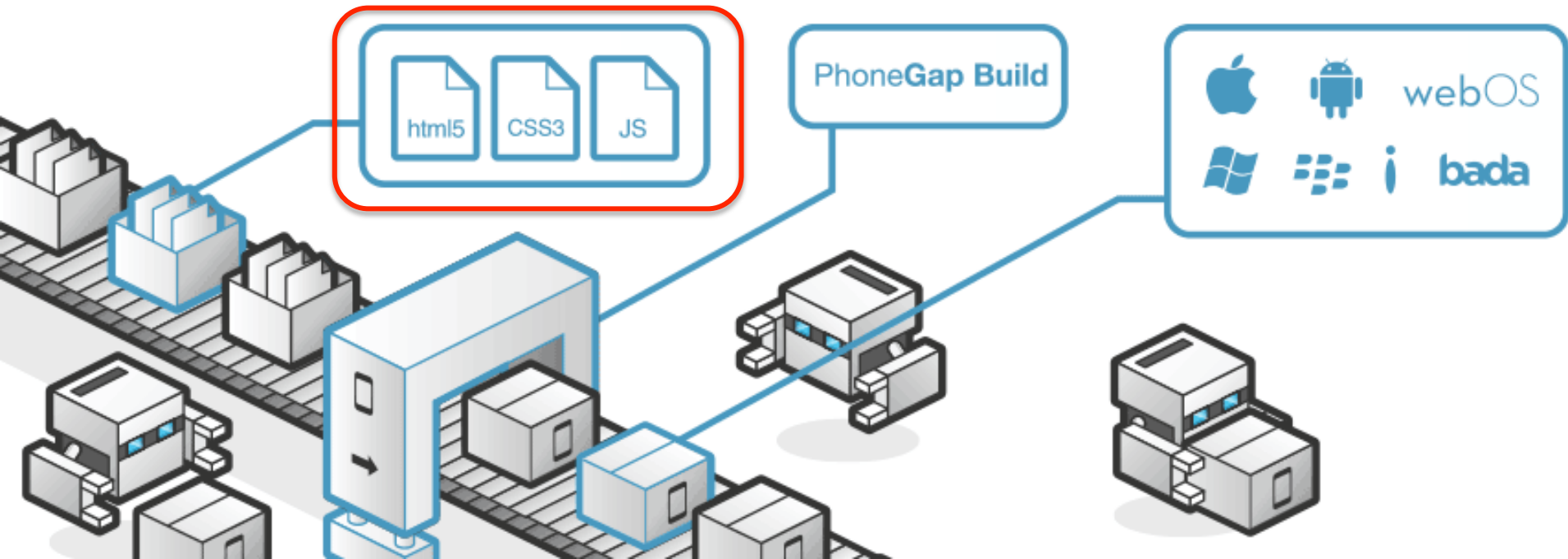
## Create Hybrid Apps with PhoneGap

## Testing iOS and Android Devices

<https://build.phonegap.com/>



# PhoneGap Build

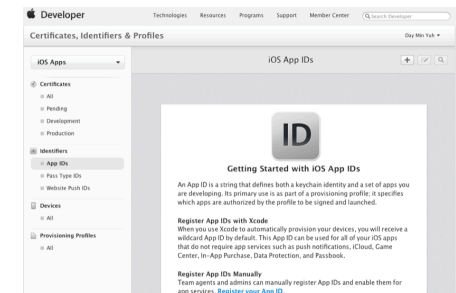


# Basics of iOS Device Testing

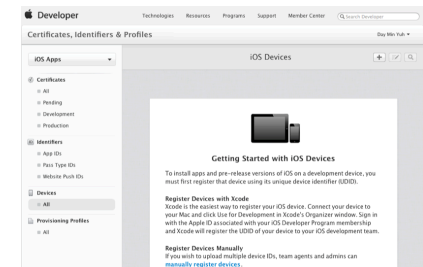
**1** You have PERMISSION



**2** Your App has PERMISSION



**3** Your Device has PERMISSION





1

# You have PERMISSION

Developer

Technologies

Resources

Programs

Support

Member Center



## iOS Developer Program

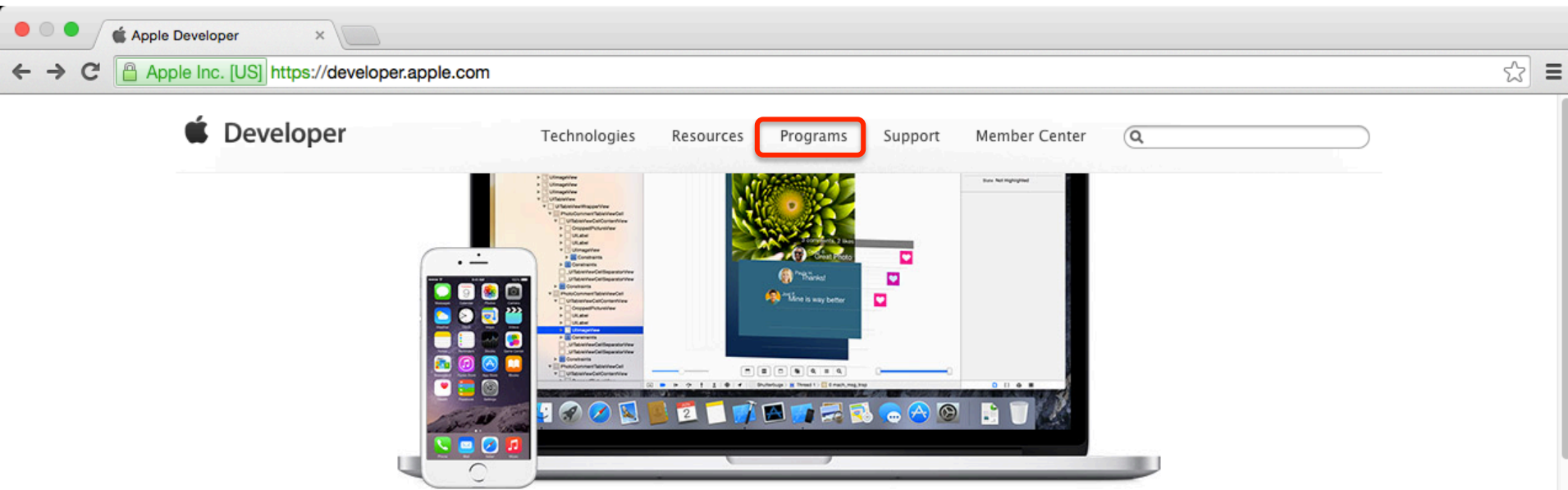
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See what's new for developers.

Learn about all the new technologies and powerful capabilities available in iOS 8, OS X Yosemite, and the new programming language, Swift, available in Xcode 6.



Download the latest development tools and SDKs.

<https://developer.apple.com/>

# Apple iOS Developer Program

Apple Developer Programs


The Apple Developer Programs offer a complete set of technical resources, support, and access to pre-release software — providing developers with everything they need to create innovative apps for iOS and OS X, extensions for Safari, and accessories for iPod, iPhone and iPad.

## iOS Developer Program

**\$99/year**

The iOS Developer Program provides a complete and integrated process for developing and distributing iOS apps on the App Store.

[Learn more >](#)




## Mac Developer Program

**\$99/year**

The Mac Developer Program offers a range of technical resources and support for distributing Mac apps on the Mac App Store.

[Learn more >](#)



<https://developer.apple.com/programs/>

# Apple iOS Developer Program

Apple Developer Technologies Resources Programs Support Member Center

## iOS Developer Program

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Signed iPhone (97A924A8024)  
Received Aug 6, 2014  
Contains Certified Mobile  
More Details

XCODE

### 1. Develop

Develop your application with the iOS SDK and a wealth of technical resources in the iOS Dev Center.  
[Learn more >](#)

### 2. Test

Test and debug your code on iPad, iPhone and iPod touch to finalize your applications.  
[Learn more >](#)

### 3. Distribute

Distribute your apps on the App Store and reach millions of iPad, iPhone, and iPod touch users.  
[Learn more >](#)

<https://developer.apple.com/programs/ios/>

# Apple iOS Developer Program

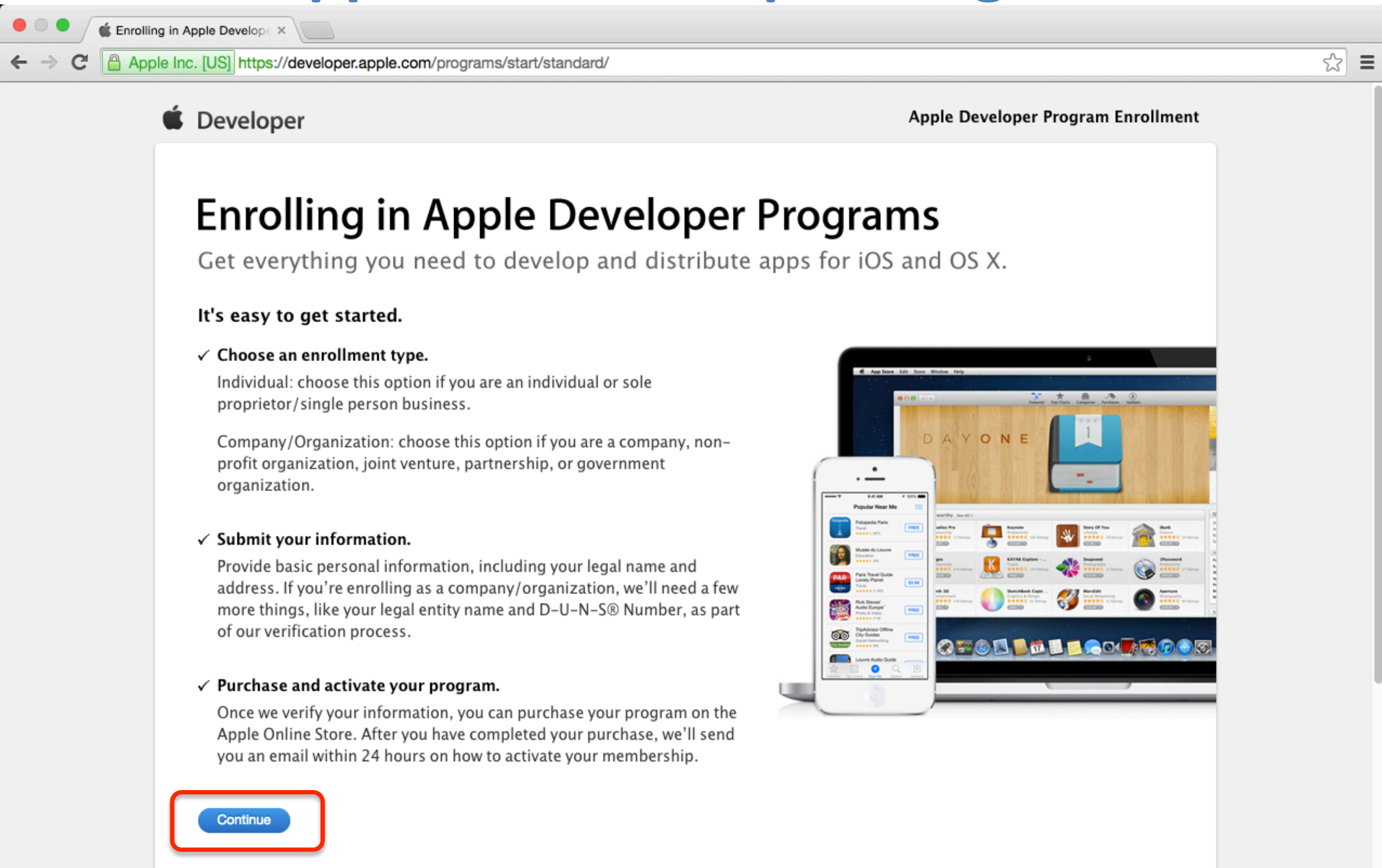
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Enrolling in Apple Developer Programs

Get everything you need to develop and distribute apps for iOS and OS X.

**It's easy to get started.**

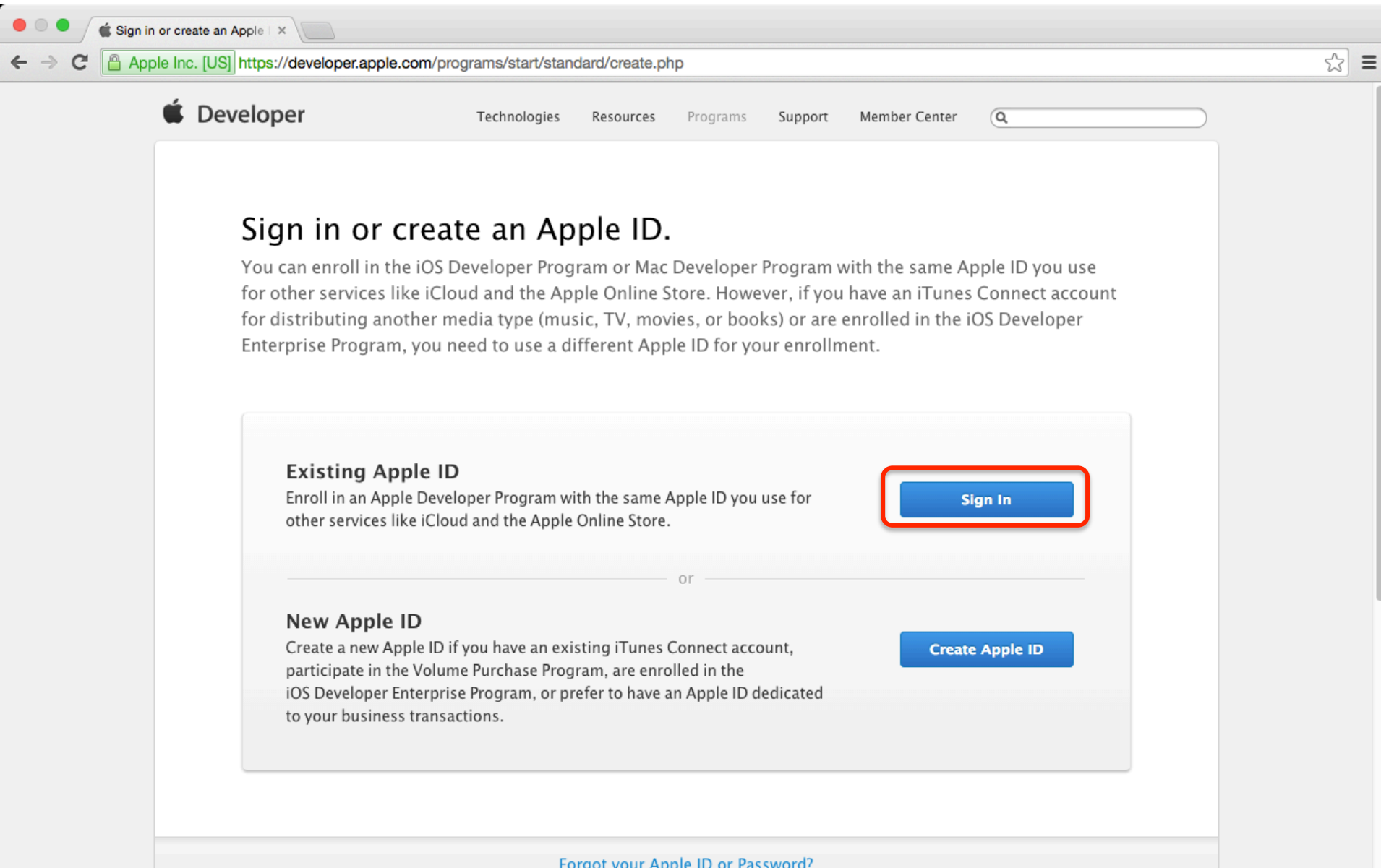
- ✓ **Choose an enrollment type.**  
Individual: choose this option if you are an individual or sole proprietor/single person business.  
  
Company/Organization: choose this option if you are a company, non-profit organization, joint venture, partnership, or government organization.
- ✓ **Submit your information.**  
Provide basic personal information, including your legal name and address. If you're enrolling as a company/organization, we'll need a few more things, like your legal entity name and D-U-N-S® Number, as part of our verification process.
- ✓ **Purchase and activate your program.**  
Once we verify your information, you can purchase your program on the Apple Online Store. After you have completed your purchase, we'll send you an email within 24 hours on how to activate your membership.

[Continue](#)



<https://developer.apple.com/programs/start/standard/>

# Apple iOS Developer Program



The screenshot shows a web browser window with the URL <https://developer.apple.com/programs/start/standard/create.php>. The page header includes the Apple Developer logo and navigation links for Technologies, Resources, Programs, Support, and Member Center. The main content area is titled "Sign in or create an Apple ID." and contains two options: "Existing Apple ID" with a "Sign In" button (highlighted with a red box) and "New Apple ID" with a "Create Apple ID" button. A link for "Forgot your Apple ID or Password?" is located at the bottom of the page.

Sign in or create an Apple ID.

You can enroll in the iOS Developer Program or Mac Developer Program with the same Apple ID you use for other services like iCloud and the Apple Online Store. However, if you have an iTunes Connect account for distributing another media type (music, TV, movies, or books) or are enrolled in the iOS Developer Enterprise Program, you need to use a different Apple ID for your enrollment.

**Existing Apple ID**  
Enroll in an Apple Developer Program with the same Apple ID you use for other services like iCloud and the Apple Online Store.

**Sign In**

or

**New Apple ID**  
Create a new Apple ID if you have an existing iTunes Connect account, participate in the Volume Purchase Program, are enrolled in the iOS Developer Enterprise Program, or prefer to have an Apple ID dedicated to your business transactions.

**Create Apple ID**

[Forgot your Apple ID or Password?](#)

<https://developer.apple.com/programs/start/standard/create.php>

# Apple iOS Developer Program

Apple Developer Program | x

Apple Inc. [US] <https://developer.apple.com/enroll/selectEnrollmentType.php?t=cm>


Developer Apple Developer Program Enrollment

Enter Account Info Select Program Review & Submit Agree to License Purchase Program Activate Program

## Are you enrolling as an individual or organization?

### Individual

Select this option if you are an individual or sole proprietor/single person company.



**Seller Name**  
Your personal legal name will be listed as the seller of your apps on the App Store.  
Example:  
Seller: John Smith


**Individual Development Only**  
You are the only one allowed access to program resources.

**You will need:**

- A valid credit card for purchase.  
We may also require additional personal documentation to verify your identity.

### Company/Organization

Select this option if you are a company, non-profit organization, joint venture, partnership, or government organization.



**Seller Name**  
Your organization's legal entity name will be listed as the seller of your apps on the App Store.  
Example:  
Seller: ABC Company, Inc.

**Development Team**  
You can add additional developers to your team who can access program resources. Companies who have hired a contractor to create apps for distribution on the App Store should enroll with their company name and add the contractors to their team.

**You will need:**

- The legal authority to bind your company/organization to Apple Developer Program legal agreements.
- An address for the company's principal place of business or corporate headquarters.





# Apple iOS Developer Program

Apple Developer Program | x

Apple Inc. [US] <https://developer.apple.com/enroll/selectEnrollmentType.php?t=cm>


## Individual

Select this option if you are an individual or sole proprietor/single person company.


  
**Seller Name**

Your personal legal name will be listed as the seller of your apps on the App Store.

Example:  
Seller: John Smith

**Individual Development Only**

You are the only one allowed access to program resources.

**You will need:**



- A valid credit card for purchase.

We may also require additional personal documentation to verify your identity.

**Individual**


## Company/Organization

Select this option if you are a company, non-profit organization, joint venture, partnership, or government organization.


  
**Seller Name**

Your organization's legal entity name will be listed as the seller of your apps on the App Store.

Example:  
Seller: ABC Company, Inc.

**Development Team**

You can add additional developers to your team who can access program resources. Companies who have hired a contractor to create apps for distribution on the App Store should enroll with their company name and add the contractors to their team.

**You will need:**

- The legal authority to bind your company/organization to Apple Developer Program legal agreements.
- An address for the company's principal place of business or corporate headquarters.
- A D-U-N-S® Number assigned to a legal entity.  
D-U-N-S Numbers, available from D&B for free in most jurisdictions, are unique nine-digit numbers widely used as standard business identifiers. To learn more, read our [FAQs](#). Before enrolling, check to see if D&B has assigned you a D-U-N-S Number. If not, please request one.

Note: We do not accept DBAs, Fictitious Business, Trade names, or branches at this time.

- A valid credit card for purchase.

**Company**

# Apple iOS Developer Program

Sign in with your Apple ID

Apple Inc. [US] <https://daw.apple.com/cgi-bin/WebObjects/DSAAuthWeb.woa/wa/login?&appldKey=891bd3417a7776362562d2197f89480a8547b108fd9349...>

Developer

imyday@gmail.com

.....

Register Sign In

[Forgot ID or Password?](#)

Copyright © 2013 Apple Inc. All rights reserved. [Terms of Use](#) | [Privacy Policy](#) | [System Status](#)

# Certificates, Identifiers & Profiles

The screenshot shows the Apple Developer Member Center interface. At the top, the browser address bar displays 'Apple Inc. [US] https://developer.apple.com/membercenter/index.action'. The navigation bar includes 'Developer' and 'Member Center'. Below the navigation bar, the user's organization is listed as 'Tamkang University (Department of Information Management)' and the user is identified as 'Hi, Day Min Yuh | Sign out'.

A yellow announcement banner at the top states: 'ANNOUNCEMENT: Updated Program License Agreement. An updated version of the iOS Developer Program License Agreement has been posted. In order to access certain technical resources, you must agree to the latest license agreement. Review Agreement >'. Below this, the 'Developer Program Resources' section is visible. Under 'Technical Resources and Tools', the 'Certificates, Identifiers & Profiles' link is highlighted with a red rectangular box. This link is accompanied by a 'Certificate' icon and the text: 'Manage your certificates, App IDs, devices, and provisioning profiles.' Other resources include 'Dev Centers' (Quickly access a range of technical resources. iOS | Mac | Safari) and 'Bug Reporting' (Submit and track bug reports and enhancements requests).

The 'Community and Support' section includes 'Developer Support' (Get answers to frequently asked questions.) and 'News and Announcements' (Get app submission tips, learn about new features in iTunes Connect and receive guidance on developing and marketing your apps. Learn more >).

The 'Developer Program Overview' section is also visible, with the text: 'Read about accessing the resources and benefits of your iOS Developer University Program'. The footer contains the copyright notice: 'Copyright © 2013 Apple Inc. All rights reserved. Terms of Use | Privacy Policy'.

<https://developer.apple.com/membercenter/index.action>

# Certificates, Identifiers & Profiles



## **Certificates, Identifiers & Profiles**

Manage your certificates, App IDs, devices, and provisioning profiles.

## iOS Developer Program University License Agreement

View the iOS Developer Program University License Agreement [PDF](#).

English

PLEASE READ THE FOLLOWING AGREEMENT TERMS AND CONDITIONS CAREFULLY BEFORE DOWNLOADING OR USING THE APPLE SOFTWARE. THESE TERMS AND CONDITIONS CONSTITUTE A LEGAL AGREEMENT BETWEEN UNIVERSITY AND APPLE. BY CLICKING ON THE "I AGREE" BUTTON, UNIVERSITY, THROUGH ITS AUTHORIZED LEGAL REPRESENTATIVE, IS AGREEING TO BE BOUND BY AND IS BECOMING A PARTY TO THIS AGREEMENT. IF UNIVERSITY DOES NOT OR CANNOT AGREE TO THIS AGREEMENT, THEN CLICK THE "CANCEL" BUTTON. IF UNIVERSITY DOES NOT AGREE TO THIS AGREEMENT, THEN UNIVERSITY IS NOT PERMITTED TO PARTICIPATE IN THIS PROGRAM OR USE THE APPLE SOFTWARE.

### iOS Developer Program University Agreement

(for teaching classes that allow students to load applications onto Apple-branded products running the iOS)

By checking this box I confirm that I have read and agree to be bound by the Agreement above. I am agreeing on behalf of my higher education institution, and I represent and warrant that I have legal authority to bind my higher education institution to the terms of the Agreement above. I also confirm that I am of the legal age of majority in the jurisdiction in which I reside (at least 18 years of age in many countries).

BY CLICKING THE "AGREE" BUTTON AND CHECKING THE BOXES FOR EACH AGREEMENT YOU WANT TO ACCEPT, YOU ARE AGREEING TO BE BOUND BY SUCH AGREEMENT(S).

Cancel I Agree

# Certificates, Identifiers & Profiles

The screenshot shows the Apple Developer Member Center interface. The browser address bar displays the URL <https://developer.apple.com/membercenter/index.action>. The page header includes the Apple Developer logo and the text 'Member Center'. A navigation bar contains links for 'People', 'Programs & Add-ons', and 'Your Account'. Below the navigation bar, the user's organization is listed as 'Tamkang University (Department of Information Management)' and the user is identified as 'Hi, Day Min Yuh | Sign out'.

The main content area is divided into two columns. The left column is titled 'Developer Program Resources' and contains two sections: 'Technical Resources and Tools' and 'Community and Support'. Under 'Technical Resources and Tools', there is a 'Dev Centers' link and a 'Certificates, Identifiers & Profiles' link, which is highlighted with a red rectangular box. The 'Certificates, Identifiers & Profiles' link includes a 'Certificate' icon and the text: 'Manage your certificates, App IDs, devices, and provisioning profiles.' Under 'Community and Support', there is a 'Developer Support' link and a 'Bug Reporting' link. The 'Bug Reporting' link includes a warning icon and the text: 'Submit and track bug reports and enhancements requests.'

The right column is titled 'Developer Program Overview' and contains a link to 'Read about accessing the resources and benefits of your iOS Developer University Program'. Below this is a 'News and Announcements' section with a megaphone icon and the text: 'Get app submission tips, learn about new features in iTunes Connect and receive guidance on developing and marketing your apps. [Learn more](#)'.

At the bottom of the page, the footer contains the text: 'Copyright © 2013 Apple Inc. All rights reserved. Terms of Use | Privacy Policy'.

<https://developer.apple.com/membercenter/index.action>

# Get started with your iOS Developer University Program

Learn how to take advantage of your program resources and benefits.



## Assigning Team Roles

You can manage team members, assign roles to existing members, or invite others to join your team.



- ✓ **Managing Developer Roles in the Member Center**  
The Member Center is where you can manage your development team, which can include up to 200 students. Team roles are used to assign certain responsibilities to a developer. While students can be added only as Team Members, faculty and staff are intended to assume the Admin role in order to be able to invite additional team members, approve digital certificates, create provisioning profiles, and more. [Get started in the Member Center](#)

## Quick Links to Resources

### Member Center

Manage your development team, view legal agreements, and access technical resources.



### Certificates, Identifiers & Profiles

Provision & test apps on your iPhone, iPad & iPod touch



## Setting Up Your Development Environment

Certificates, Identifiers & Profiles

Day Min Yuh ▾



- Certificates
- Identifiers
- Devices
- Provisioning Profiles

Learn More

App Distribution Guide



Apple Inc. [US] <https://developer.apple.com/account/ios/certificate/certificateLanding.action>

Developer Technologies Resources Programs Support Member Center Search Developer


## Certificates, Identifiers & Profiles

Day Min Yuh

iOS Apps

- Certificates
  - All
  - Pending
  - Development
  - Production
- Identifiers
  - App IDs
  - Pass Type IDs
  - Website Push IDs
- Devices
  - All
- Provisioning Profiles
  - All

### iOS Certificates



#### Getting Started with iOS Certificates

You will need to set up digital certificates to develop and distribute iOS apps. To install your app on a development device or submit it to the App Store, it must first be signed with an Apple-issued certificate. Certificates allow the system to identify who signed the app.

#### Request Certificates with Xcode

Xcode is the easiest way to request certificates. Connect your device to your Mac and click Use for Development in Xcode's Organizer window. Sign in with the Apple ID associated with your iOS Developer Program membership and Xcode will automatically generate your certificates.

**Request Certificates Manually**  
To request certificates, upload a [Certificate Signing Request](#) from your Mac.

**Learn More**  
[App Distribution Guide](#)

<https://developer.apple.com/account/ios/certificate/certificateLanding.action>

Certificates, Identifiers & Profiles Day Min Yuh

- iOS Apps
- Certificates
  - All
  - Pending
  - Development
  - Production
- Identifiers
  - App IDs
  - Pass Type IDs
  - Website Push IDs
- Devices
  - All
- Provisioning Profiles
  - All

Add iOS Certificate +

Select Type Request Generate Download



### What type of certificate do you need?

#### Development

- iOS App Development**  
Sign development versions of your iOS app.
- Apple Push Notification service SSL (Sandbox)**  
Establish connectivity between your notification server and the Apple Push Notification service sandbox environment. A separate certificate is required for each app you develop.

#### Production

- Pass Type ID Certificate**  
Sign and send updates to passes in Passbook.
- Website Push ID Certificate**  
Sign and send updates for Websites.

- Production
- Identifiers**
  - App IDs
  - Pass Type IDs
  - Website Push IDs
- Devices**
  - All
- Provisioning Profiles**
  - All

### Development

**iOS App Development**  
Sign development versions of your iOS app.

- Apple Push Notification service SSL (Sandbox)**  
Establish connectivity between your notification server and the Apple Push Notification service sandbox environment. A separate certificate is required for each app you develop.

### Production

- Pass Type ID Certificate**  
Sign and send updates to passes in Passbook.
- Website Push ID Certificate**  
Sign and send updates for Websites.

#### Intermediate Certificates

To use your certificates, you must have the intermediate signing certificate in your system keychain. This is automatically installed by Xcode. However, if you need to reinstall the intermediate signing certificate click the link below:

[Worldwide Developer Relations Certificate Authority](#)

Cancel **Continue**

# Certificate Signing Request (CSR)

The screenshot shows the Apple Developer website interface for adding an iOS certificate. The browser address bar shows the URL: <https://developer.apple.com/account/ios/certificate/certificateCreate.action?formID=86406417>. The page title is "Certificates, Identifiers & Profiles" and the user is logged in as "Day Min Yuh".

The main content area is titled "Add iOS Certificate" and features a progress bar with four steps: "Select Type", "Request" (the current step), "Generate", and "Approval".

The "Request" step is titled "About Creating a Certificate Signing Request (CSR)". It includes a "Certificate" icon and the following text:

To manually generate a Certificate, you need a Certificate Signing Request (CSR) file from your Mac. To create a CSR file, follow the instructions below to create one using Keychain Access.

**Create a CSR file.**  
In the Applications folder on your Mac, open the Utilities folder and launch Keychain Access.

Within the Keychain Access drop down menu, select Keychain Access > Certificate Assistant > Request a Certificate from a Certificate Authority.

- In the Certificate Information window, enter the following information:
  - In the User Email Address field, enter your email address.
  - In the Common Name field, create a name for your private key (e.g., John Doe Dev Key).
  - The CA Email Address field should be left empty.
  - In the "Request is" group, select the "Saved to disk" option.
- Click Continue within Keychain Access to complete the CSR generating process.

At the bottom of the page, there are three buttons: "Cancel", "Back", and "Continue". The "Continue" button is highlighted with a red rectangular box.

# Upload CSR file (CertificateSigningRequest)

Apple Developer Technologies Resources Programs Support Member Center Search Developer

## Certificates, Identifiers & Profiles

Day Min Yuh ▾

iOS Apps ▾

**Certificates**

- All
- Pending
- Development
- Production

**Identifiers**

- App IDs
- Pass Type IDs
- Website Push IDs

**Devices**

- All


**Provisioning Profiles**

- All

### Add iOS Certificate

+ 🔍

Select Type Request **Generate** Download

 **Generate your certificate.**

With the creation of your CSR, Keychain Access simultaneously generated a public and private key pair. Your private key is stored on your Mac in the login Keychain by default and can be viewed in the Keychain Access application under the "Keys" category. Your requested certificate will be the public half of your key pair.

**Upload CSR file.**  
Select .certSigningRequest file saved on your Mac.

Choose File...

Cancel Back **Generate**

1

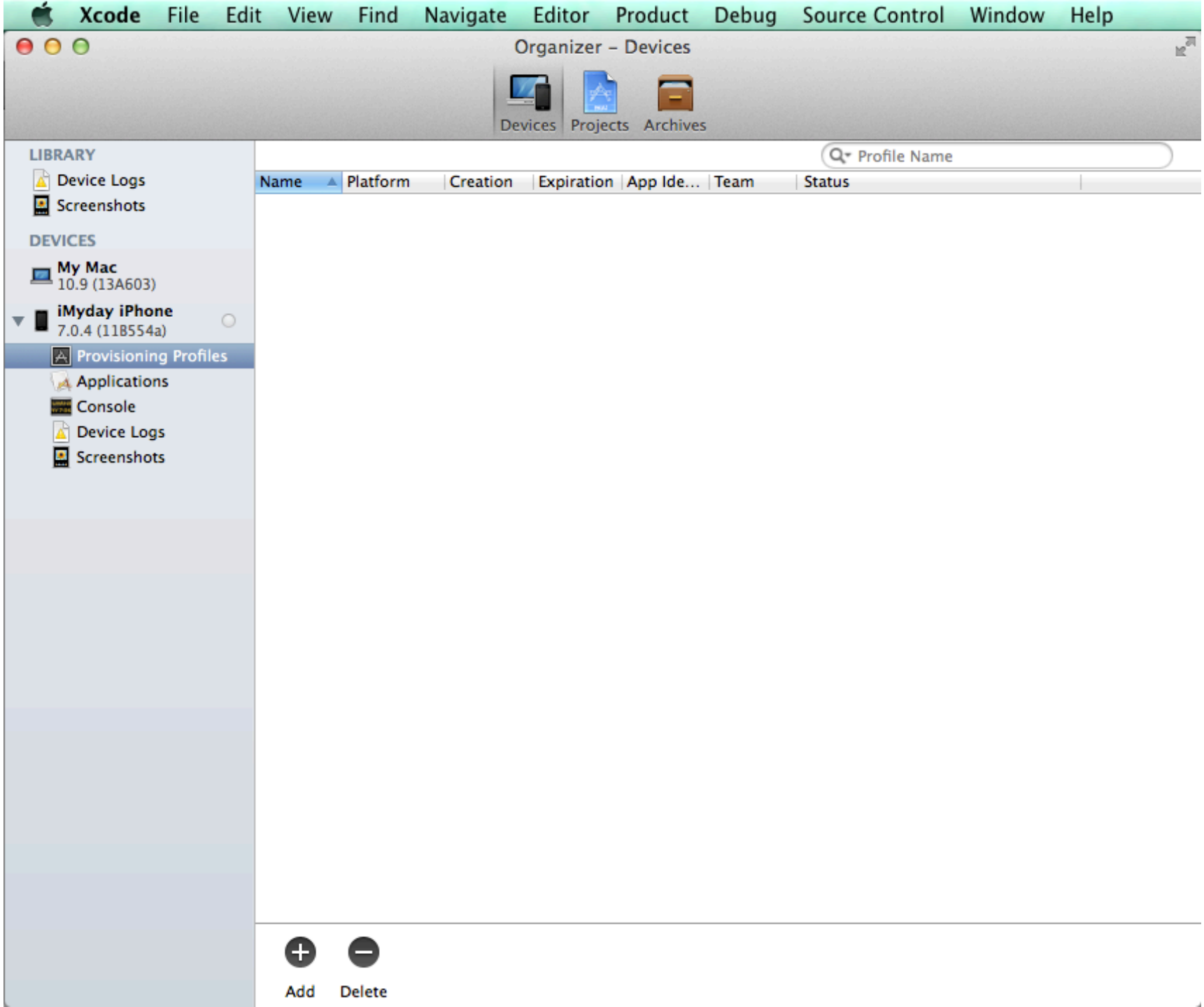
You have PERMISSION



Keychain Access

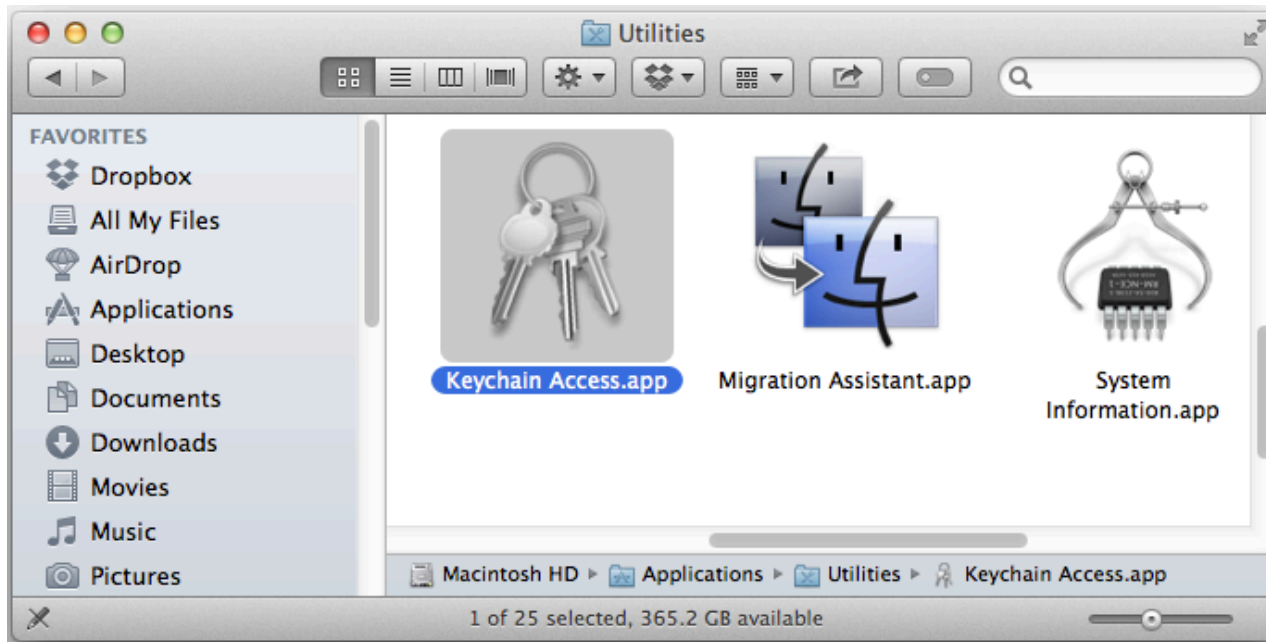


Certificates



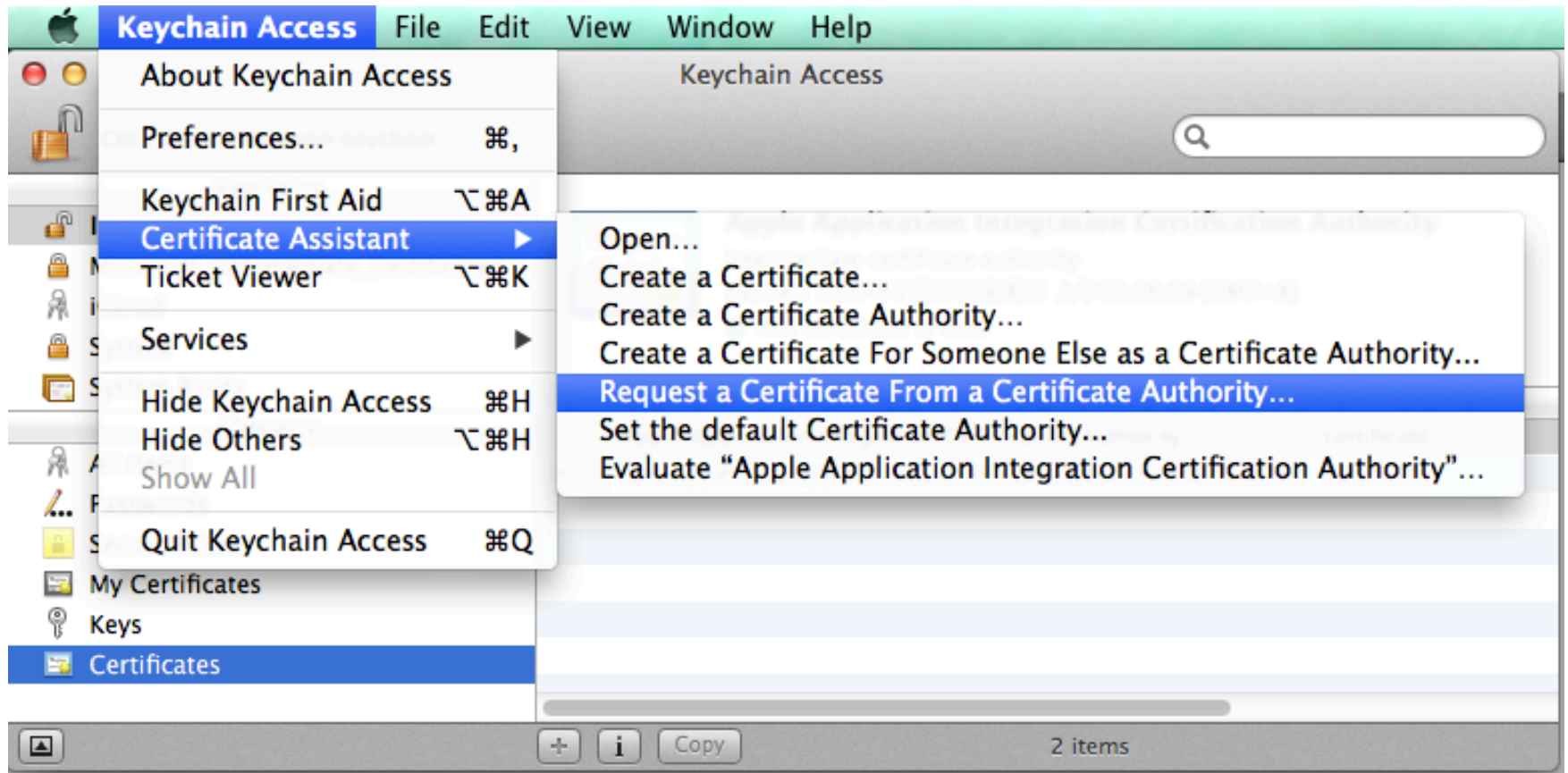
# Applications\Utilities\Keychain Access

Macintosh HD ▸ Applications ▸ Utilities ▸ Keychain Access.app





# Request a Certificate From a Certificate Authority



# Certificate Assistant

Certificate Assistant

## Certificate Information

Enter information for the certificate you are requesting. Click Continue to request a certificate from the CA.

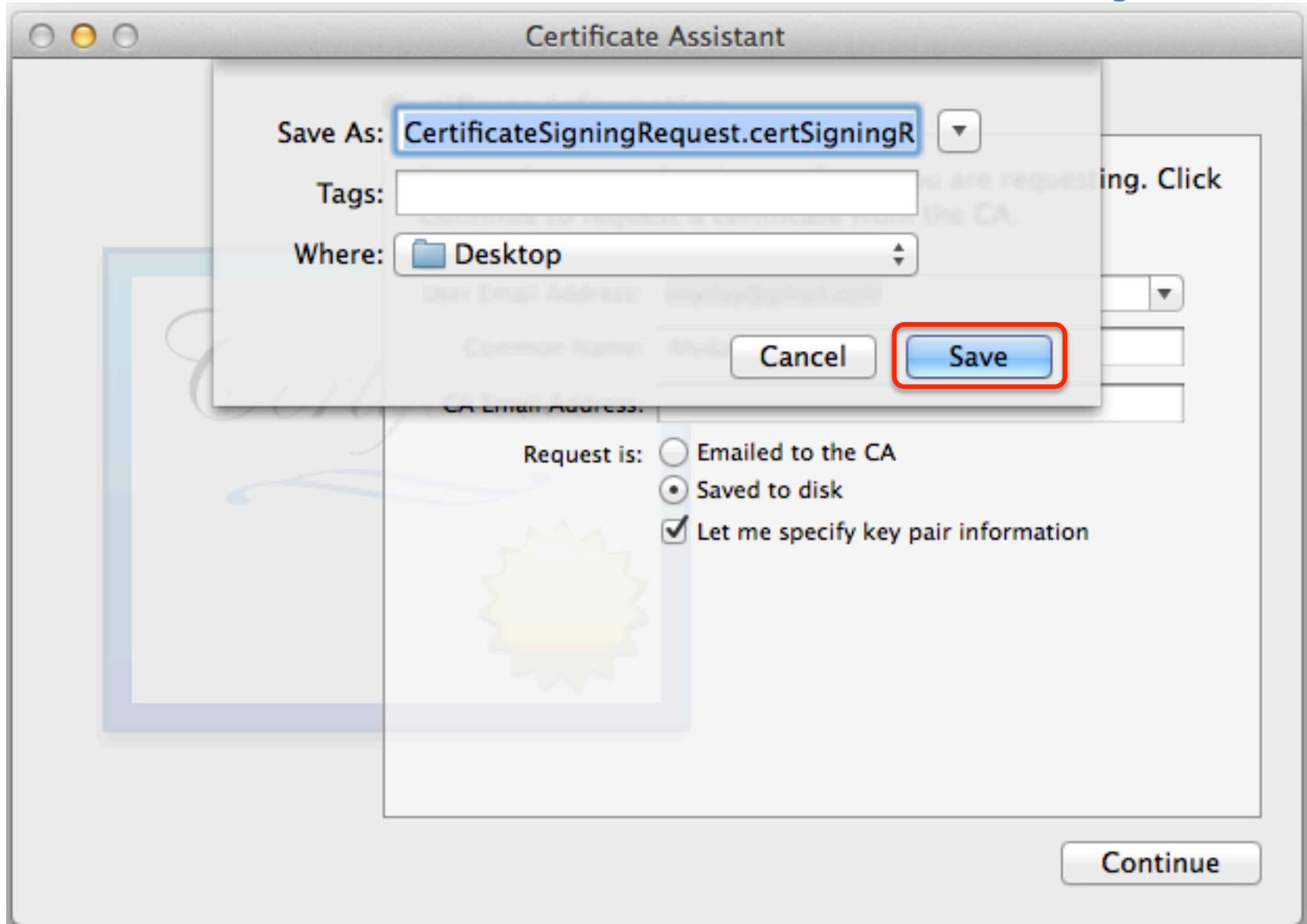
User Email Address:

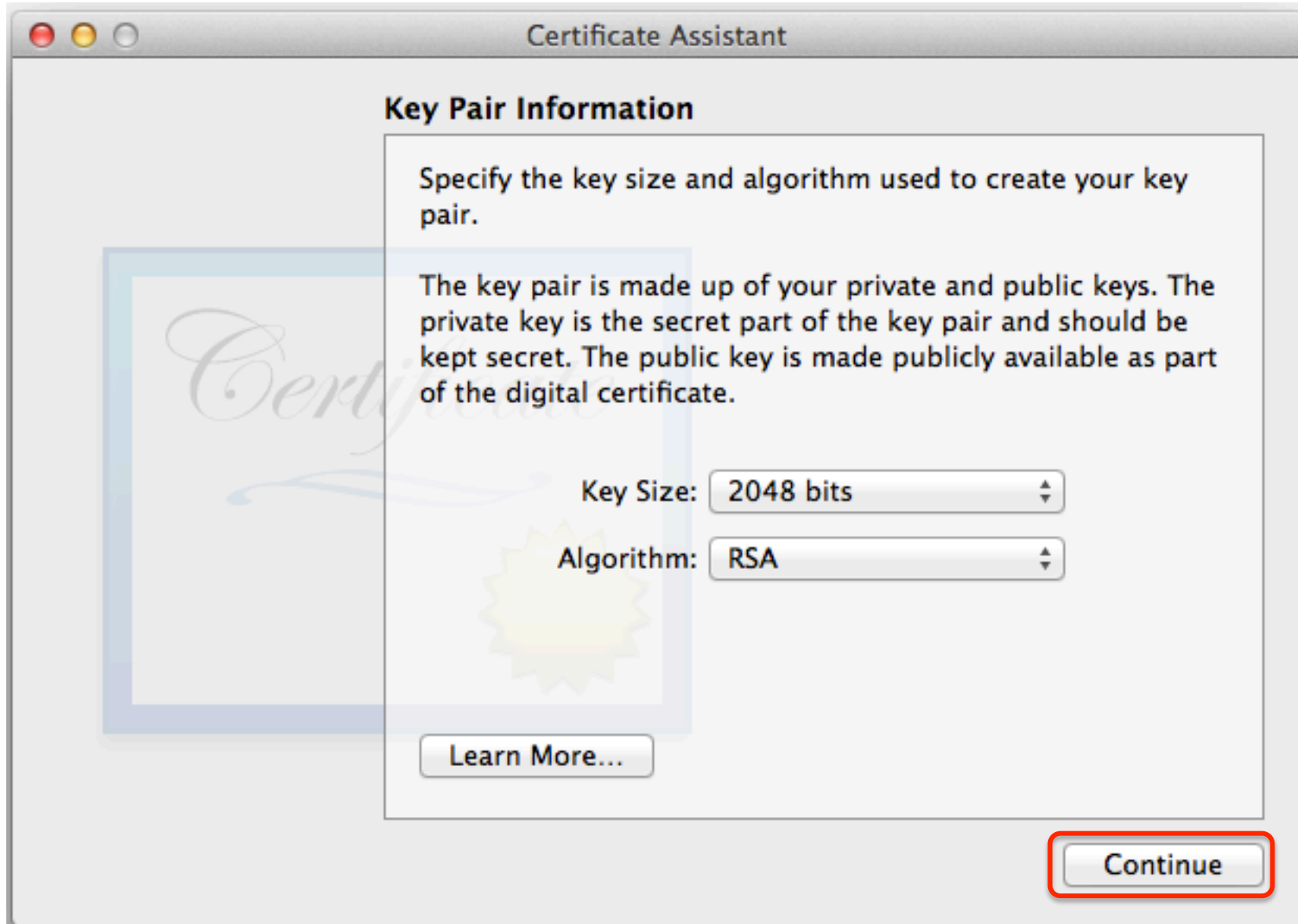
Common Name:

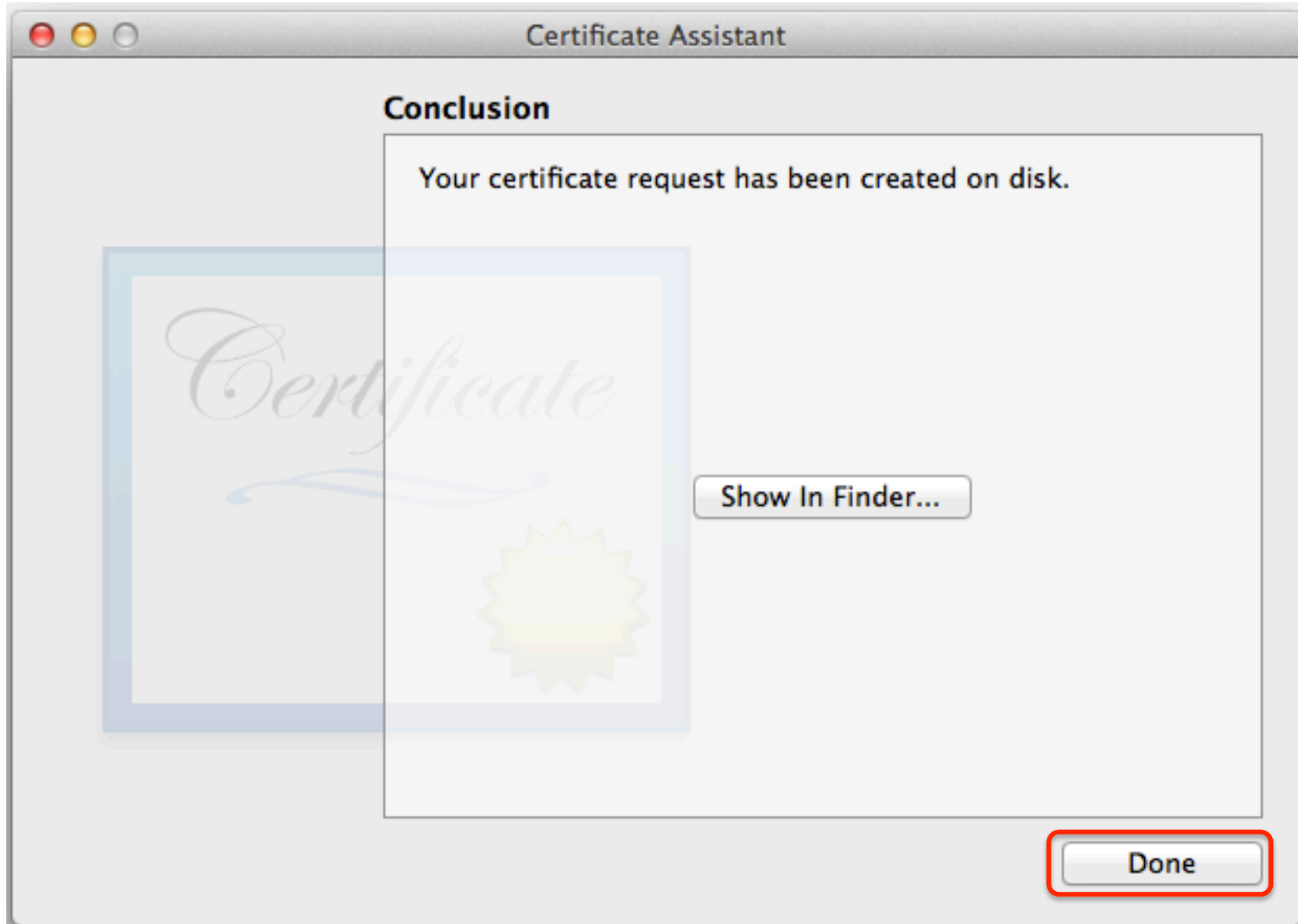
CA Email Address:

Request is:  Emailed to the CA  
 Saved to disk  
 Let me specify key pair information

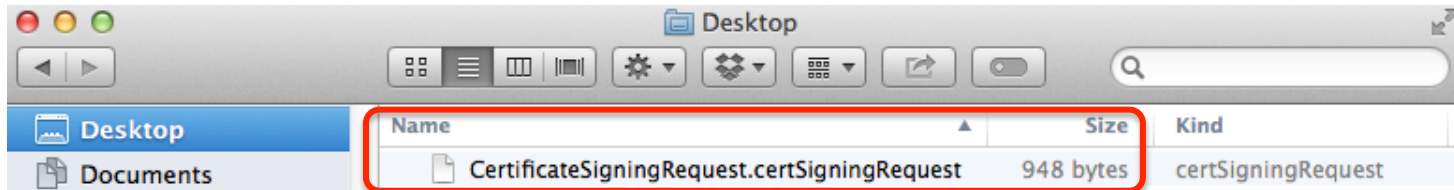
# Request a Certificate From a Certificate Authority

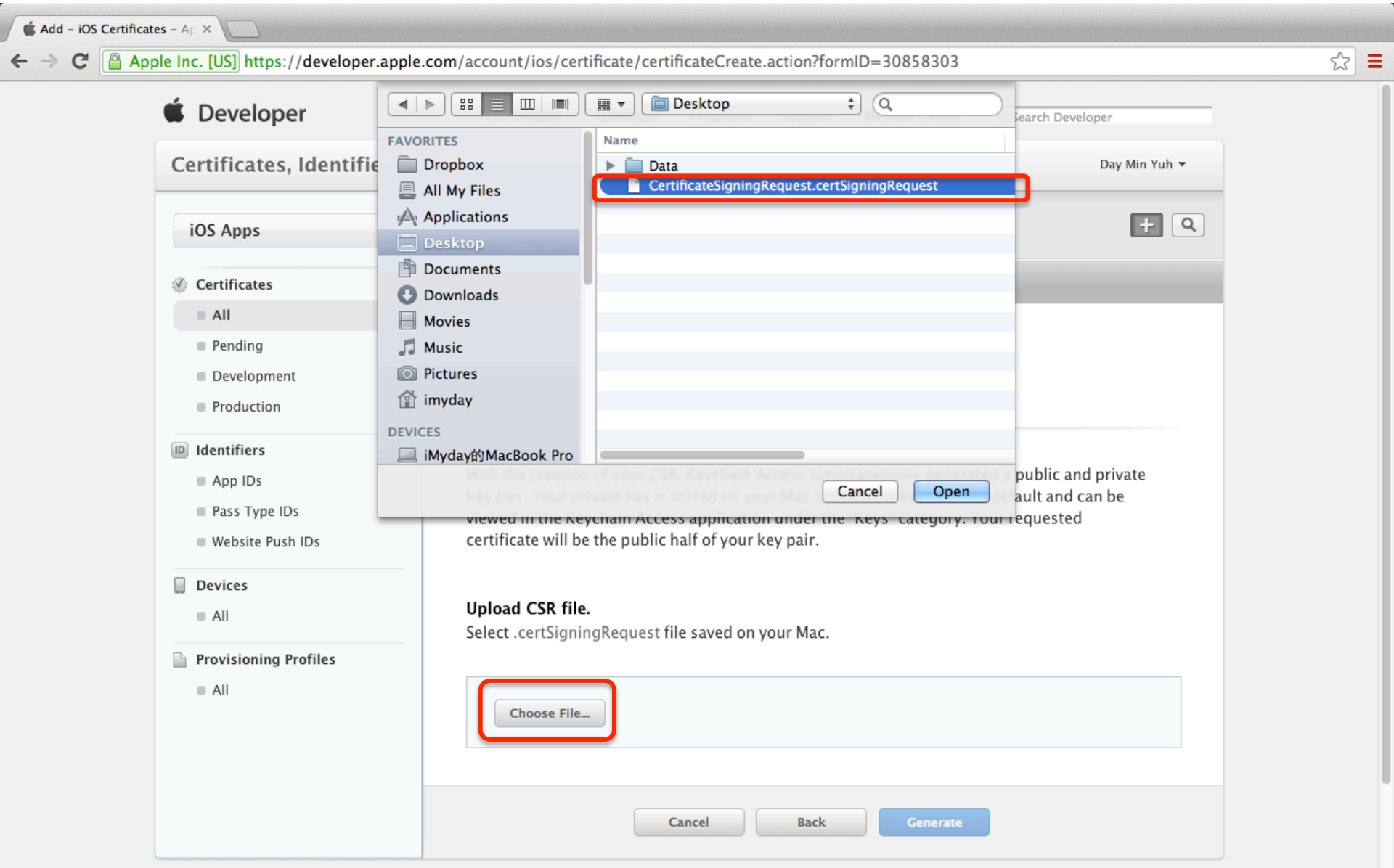






# CertificateSigningRequest CSR





Certificates, Identifiers & Profiles

Day Min Yuh

iOS Apps

- Certificates
  - All
  - Pending
  - Development
  - Production
- Identifiers
  - App IDs
  - Pass Type IDs
  - Website Push IDs
- Devices
  - All
- Provisioning Profiles
  - All

Add iOS Certificate



Select Type Request Generate Download



Generate your certificate.

With the creation of your CSR, Keychain Access simultaneously generated a public and private key pair. Your private key is stored on your Mac in the login Keychain by default and can be viewed in the Keychain Access application under the "Keys" category. Your requested certificate will be the public half of your key pair.

Upload CSR file.

Select .certSigningRequest file saved on your Mac.

Choose File... CertificateSigningRequest.certSigningRequest

Cancel Back Generate



## Certificates, Identifiers & Profiles

- iOS Apps
- Certificates**
  - All
  - Pending
  - Development
  - Production
- Identifiers**
  - App IDs
  - Pass Type IDs
  - Website Push IDs
- Devices**
  - All
- Provisioning Profiles**
  - All

### Add iOS Certificate

Select Type | Request | **Generate** | Download



With the creation of your CSR, Keychain Access simultaneously generated a public and private key pair. Your private key is stored on your Mac in the login Keychain by default and can be viewed in the Keychain Access application under the "Keys" category. Your requested certificate will be the public half of your key pair.

**Upload CSR file.**  
Select .certSigningRequest file saved on your Mac.

Choose File... CertificateSigningRequest.certSigningRequest

Cancel | Back | **Generate**

# iOS Dev Center

## Certificate, Identifiers & Profiles

The screenshot shows the Apple Developer website's iOS Dev Center. The browser address bar displays "developer.apple.com/devcenter/ios/index.action". The navigation bar includes "Technologies", "Resources", "Programs", "Support", and "Member Center", along with a search bar. The main header features the "iOS Dev Center" title and sub-navigation for "iOS Dev Center", "Mac Dev Center", and "Safari Dev Center". A user greeting "Hi, Day Min Yuh" is visible with links to "My Profile" and "Sign out".

The main content area is divided into several sections:

- Resources for iOS 7:** Includes "Downloads" (latest build of iOS SDK), "iOS Developer Library" (Getting Started, Guides, Reference, Release Notes, Sample Code, Technical Notes, Technical Q&As), "Development Videos" (iOS Development, WWDC Videos), "iAd JS Developer Library" (technical documentation), and "Apple Developer Forums" (discuss iOS development).
- Featured Content:** A list of articles including "Create Apps for iOS 7", "What's New in iOS 7", "64-Bit Transition Guide for Cocoa Touch", "Passbook for Developers", "iCloud for Developers", "Newsstand for Developers", "Game Center for Developers", "In-App Purchase for Developers", "Push Notifications for Developers", "Using iAd in Your iOS Apps", and "App States and Multitasking".
- Downloads:** Promotes "Xcode 5.0.2" as the complete Xcode, with a "Download Xcode 5" button.

The right sidebar contains the "iOS Developer Program" section, where "Certificates, Identifiers & Profiles" is highlighted with a red box. Other items in the sidebar include "Apple Developer Forums", "Developer Support Center", "App Store Resource Center", "Prepare for App Submission", "App Store Approval Process", "Managing Apps", "Marketing Resources", and "News & Announcements" (RSS feed).

### Certificates, Identifiers & Profiles

Day Min Yuh ▾



iOS Apps

-  [Certificates](#)
-  [Identifiers](#)
-  [Devices](#)
-  [Provisioning Profiles](#)

**Learn More**

 [App Distribution Guide](#)

Certificates, Identifiers & Profiles

Day Min Yuh

iOS Apps

Certificates

- All
- Pending
- Development
- Production

Identifiers

- App IDs
- Pass Type IDs
- Website Push IDs

Devices

- All

Provisioning Profiles

- All

Add iOS Certificate

- Select Type
- Request
- Generate
- Download



Your certificate is ready.

Download, Install and Backup

Download your certificate to your Mac, then double click the .cer file to install in Keychain Access. Make sure to save a backup copy of your private and public keys somewhere secure.



Name: iOS Development: Day Min Yuh  
Type: iOS Development  
Expires: Nov 23, 2014

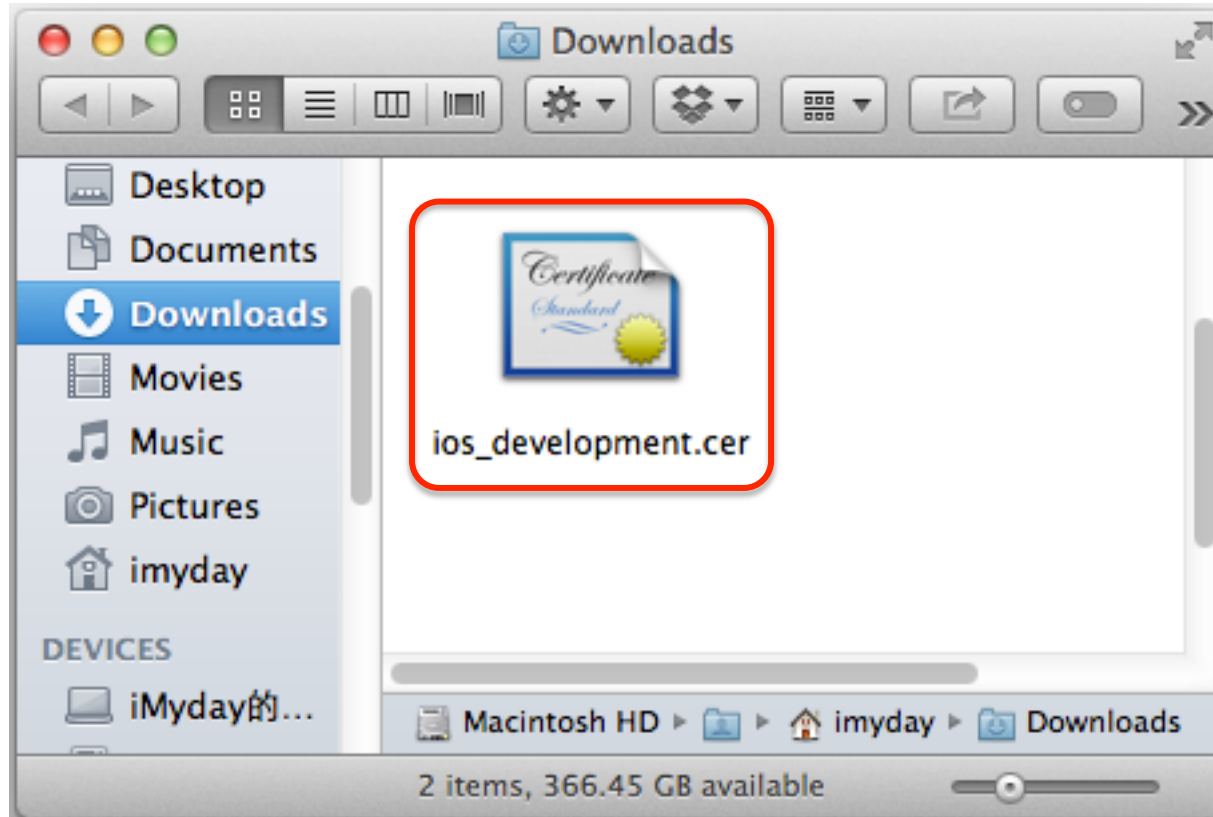
Download

Documentation

For more information on using and managing your certificates read:

[App Distribution Guide](#)

# Your iOS Certificate: ios\_development.cer



Certificates, Identifiers & Profiles

Day Min Yuh

iOS Apps

Certificates

- All
- Pending
- Development
- Production

Identifiers

- App IDs
- Pass Type IDs
- Website Push IDs

Devices

- All

Provisioning Profiles

- All

iOS Certificates

+ 🔍

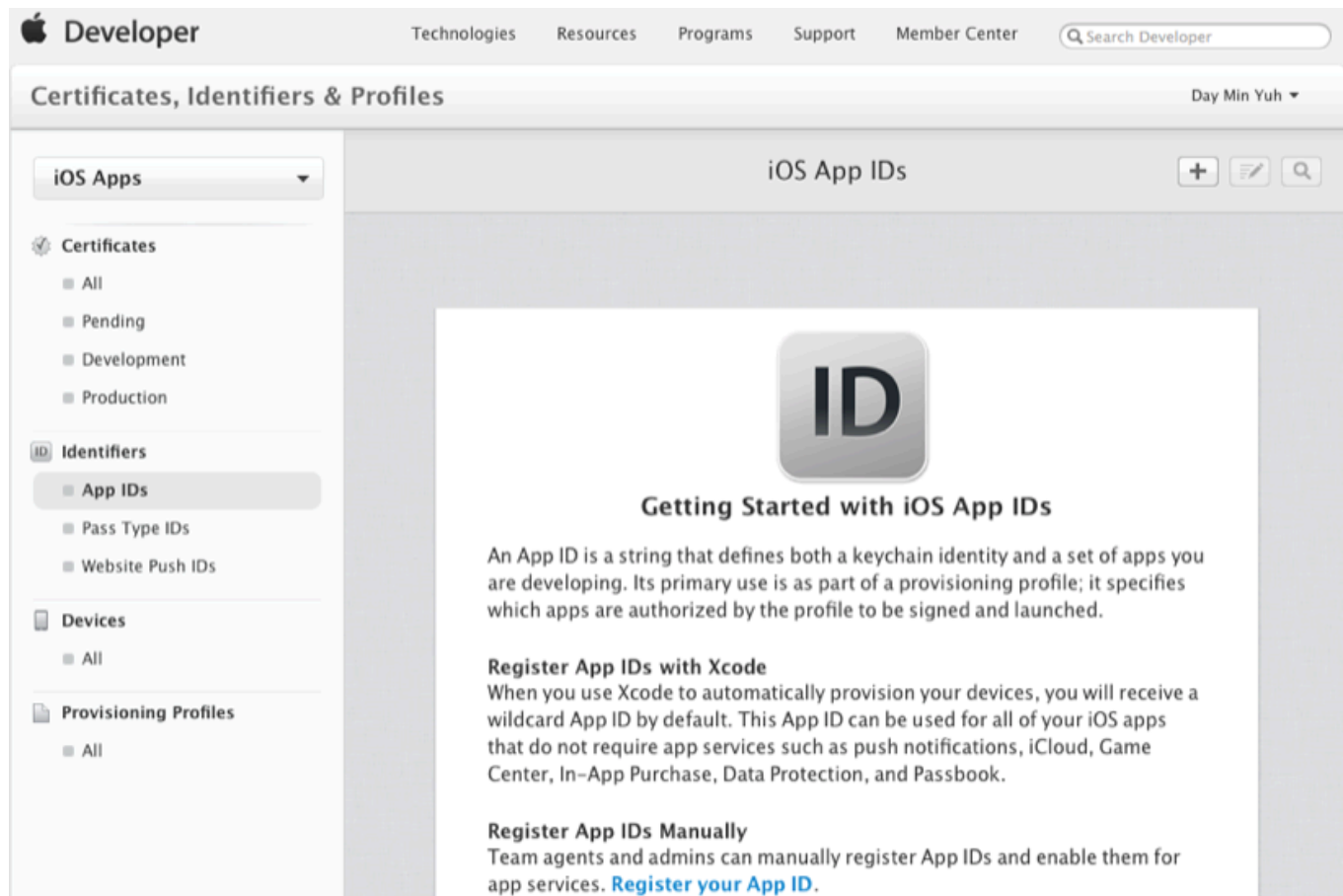
1 Certificates Total

Name	Type	Expires
Day Min Yuh	iOS Development	Nov 23, 2014

2

# Your App has PERMISSION

com.myDomain.myApp



The screenshot shows the Apple Developer portal interface. At the top, there's a navigation bar with 'Developer' and various links like 'Technologies', 'Resources', 'Programs', 'Support', and 'Member Center'. Below this is a search bar and a user profile 'Day Min Yuh'. The main content area is titled 'Certificates, Identifiers & Profiles'. On the left, there's a sidebar with a dropdown menu set to 'iOS Apps' and several categories: 'Certificates' (All, Pending, Development, Production), 'Identifiers' (App IDs, Pass Type IDs, Website Push IDs), 'Devices' (All), and 'Provisioning Profiles' (All). The 'App IDs' category is selected. The main content area displays 'iOS App IDs' with a '+', a list icon, and a search icon. Below this is a large white box with a grey 'ID' icon and the heading 'Getting Started with iOS App IDs'. The text explains that an App ID is a string defining a keychain identity and a set of apps. It includes sections for 'Register App IDs with Xcode' and 'Register App IDs Manually'.

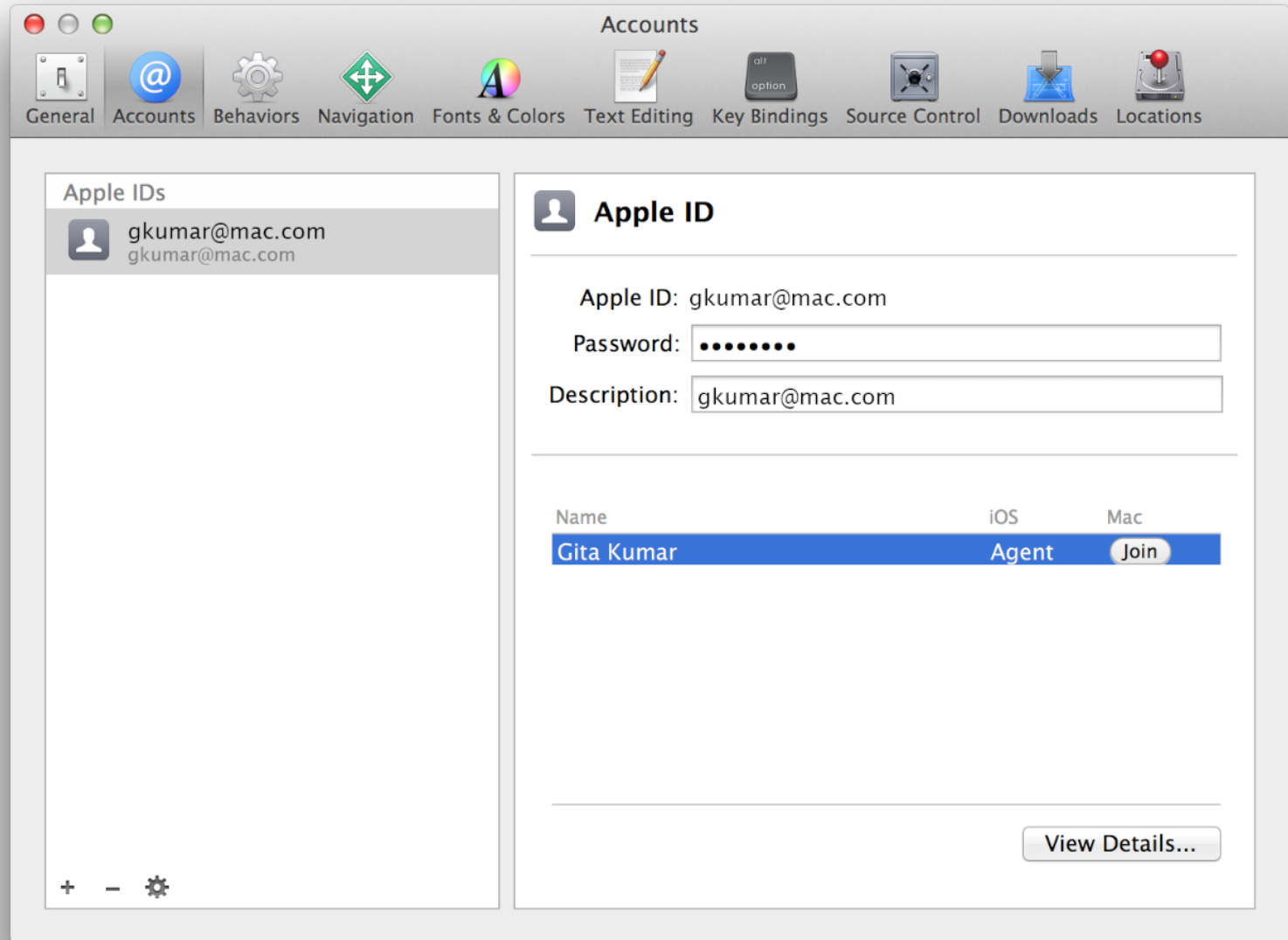
**Getting Started with iOS App IDs**

An App ID is a string that defines both a keychain identity and a set of apps you are developing. Its primary use is as part of a provisioning profile; it specifies which apps are authorized by the profile to be signed and launched.

**Register App IDs with Xcode**  
When you use Xcode to automatically provision your devices, you will receive a wildcard App ID by default. This App ID can be used for all of your iOS apps that do not require app services such as push notifications, iCloud, Game Center, In-App Purchase, Data Protection, and Passbook.

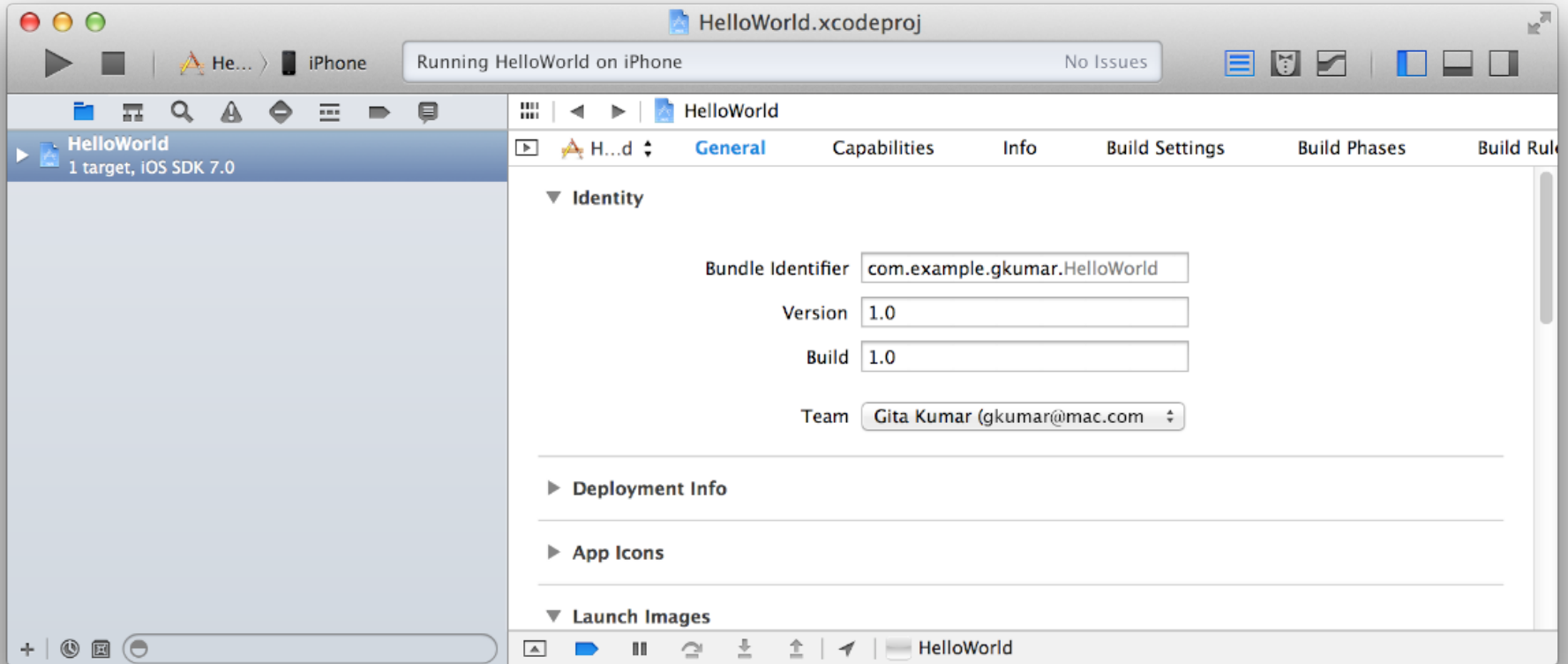
**Register App IDs Manually**  
Team agents and admins can manually register App IDs and enable them for app services. [Register your App ID.](#)

# Apple ID

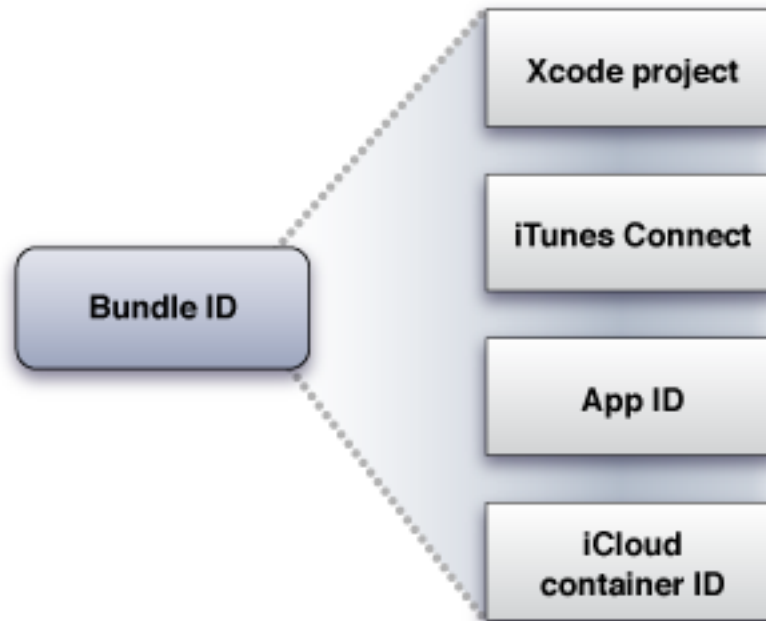




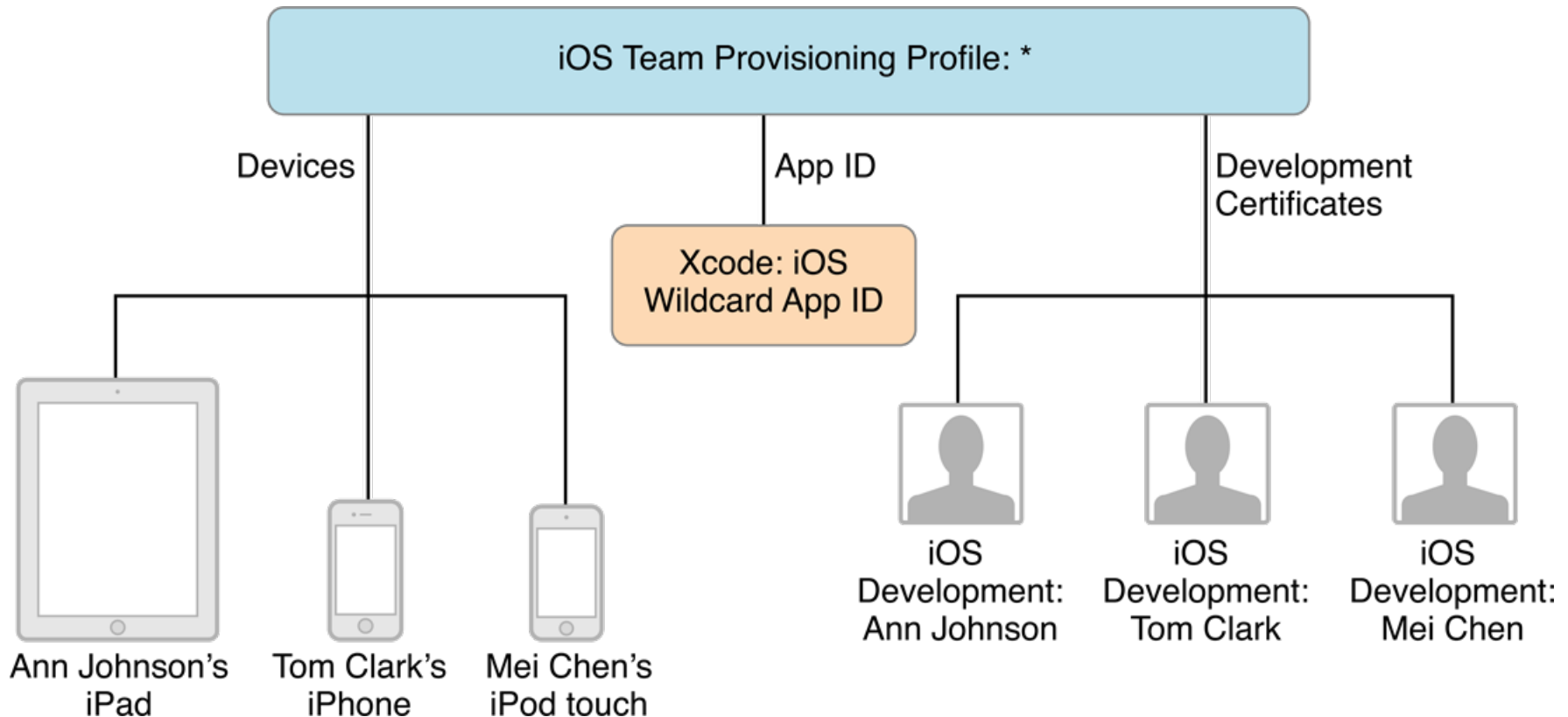
# Bundle ID



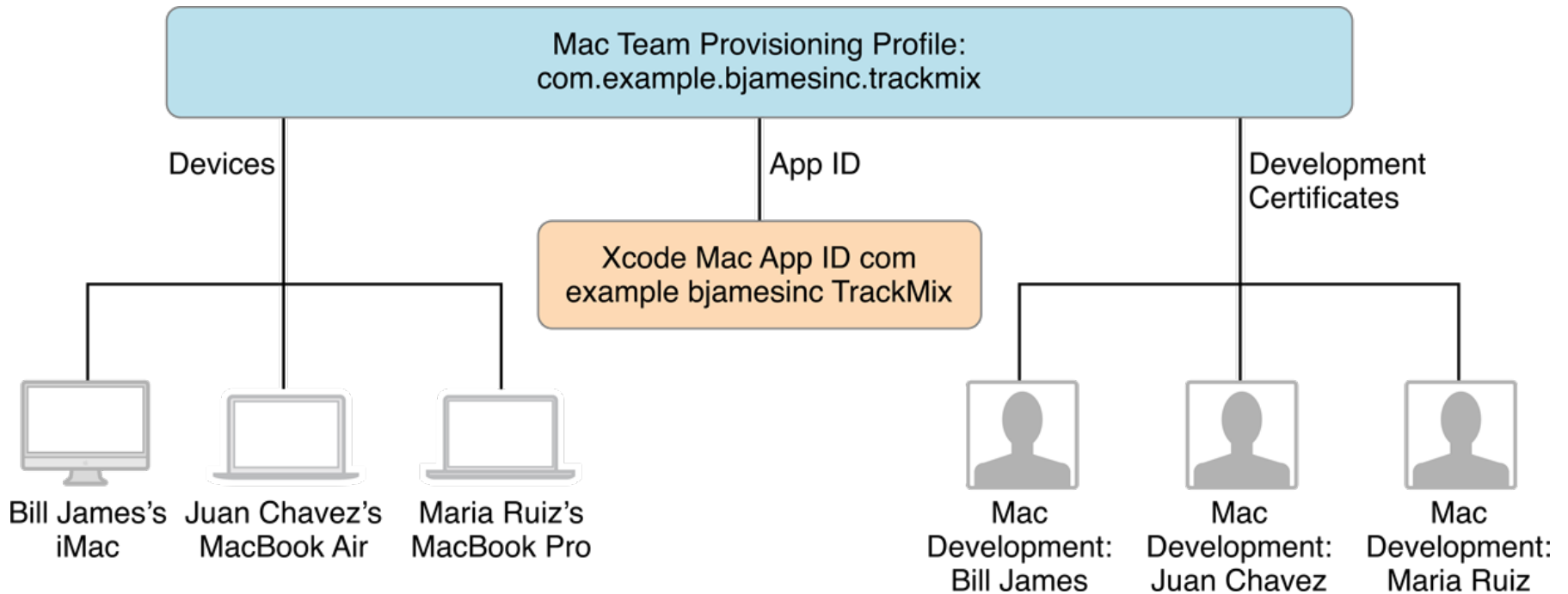
# Bundle ID vs. App ID



# App ID, Device ID



# App ID, Device ID



# iOS App ID

The screenshot shows the Apple Developer website interface. At the top, the browser address bar displays the URL: `developer.apple.com/account/ios/identifiers/bundle/bundleLanding.action`. The page title is "iOS App IDs - Apple Developer". The main navigation bar includes "Technologies", "Resources", "Programs", "Support", and "Member Center", along with a search bar labeled "Search Developer".

The page content is titled "Certificates, Identifiers & Profiles" and is personalized for "Day Min Yuh". A sidebar on the left contains a navigation menu with the following sections:

- iOS Apps (dropdown)
- Certificates
  - All
  - Pending
  - Development
  - Production
- Identifiers** (highlighted with a red box)
  - App IDs** (highlighted with a red box)
  - Pass Type IDs
  - Website Push IDs
- Devices
  - All
- Provisioning Profiles
  - All

The main content area is titled "iOS App IDs" and features a large "ID" icon. The primary heading is "Getting Started with iOS App IDs".

**Getting Started with iOS App IDs**

An App ID is a string that defines both a keychain identity and a set of apps you are developing. Its primary use is as part of a provisioning profile; it specifies which apps are authorized by the profile to be signed and launched.

**Register App IDs with Xcode**

When you use Xcode to automatically provision your devices, you will receive a wildcard App ID by default. This App ID can be used for all of your iOS apps that do not require app services such as push notifications, iCloud, Game Center, In-App Purchase, Data Protection, and Passbook.

**Register App IDs Manually**

Team agents and admins can manually register App IDs and enable them for app services. [Register your App ID.](#)

**Learn More**

[App Distribution Guide](#)

Certificates, Identifiers & Profiles

Day Min Yuh

iOS Apps

- Certificates
  - All
  - Pending
  - Development
  - Production
- Identifiers
  - App IDs
  - Pass Type IDs
  - Website Push IDs
- Devices
  - All
- Provisioning Profiles
  - All

Register iOS App ID



Registering an App ID

The App ID string contains two parts separated by a period (.)—an App ID Prefix that is defined as your Team ID by default and an App ID Suffix that is defined as a Bundle ID search string. Each part of an App ID has different and important uses for your app. [Learn More](#)

App ID Description

Name:   
You cannot use special characters such as @, &, \*, ', "

App ID Prefix

Value: 8369C9ES2Z (Team ID)

App ID Suffix

Apple Inc. developer.apple.com/account/ios/identifiers/bundle/bundleCreate.action — Register - iOS App IDs - Apple Developer

Devices

- All

Provisioning Profiles

- All

### App ID Description

Name:

You cannot use special characters such as @, &, \*, ', "

### App ID Prefix

Value: 8369C9ES2Z (Team ID)

### App ID Suffix

**Explicit App ID**

If you plan to incorporate app services such as Game Center, In-App Purchase, Data Protection, and iCloud, or want a provisioning profile unique to a single app, you must register an explicit App ID for your app.

To create an explicit App ID, enter a unique string in the Bundle ID field. This string should match the Bundle ID of your app.

Bundle ID:

We recommend using a reverse-domain name style string (i.e., com.domainname.appname). It cannot contain an asterisk (\*).

**Wildcard App ID**

This allows you to use a single App ID to match multiple apps. To create a wildcard App ID, enter an asterisk (\*) as the last digit in the Bundle ID field.

Bundle ID:

Example: com.domainname.\*

Bundle ID:

We recommend using a reverse-domain name style string (i.e., com.domainname.appname). It cannot contain an asterisk (\*).

**Wildcard App ID**

This allows you to use a single App ID to match multiple apps. To create a wildcard App ID, enter an asterisk (\*) as the last digit in the Bundle ID field.

Bundle ID:

Example: com.domainname.\*

### App Services

Select the services you would like to enable in your app. You can edit your choices after this App ID has been registered.

- Enable Services:
- Data Protection**
    - Complete Protection
    - Protected Unless Open
    - Protected Until First User Authentication
  - Game Center**
  - iCloud**
  - In-App Purchase**
  - Inter-App Audio**
  - Passbook**
  - Push Notifications**



iOS Apps

- Certificates
  - All
  - Pending
  - Development
  - Production
- Identifiers
  - App IDs**
  - Pass Type IDs
  - Website Push IDs
- Devices
  - All
- Provisioning Profiles
  - All

## Add iOS App ID



### Confirm your App ID.

To complete the registration of this App ID, make sure your App ID information is correct, and click the submit button.

App ID Description: **Myday Mobile App**  
Identifier: **8369C9E52Z.com.imtku.smap.mydaymobileapp**  
Data Protection:  Disabled  
Game Center:  **Enabled**  
iCloud:  Disabled  
In-App Purchase:  **Enabled**  
Inter-App Audio:  Disabled  
Passbook:  Disabled  
Push Notifications:  Disabled

Cancel Back **Submit**

iOS Apps

- Certificates
  - All
  - Pending
  - Development
  - Production
- Identifiers
  - App IDs**
  - Pass Type IDs
  - Website Push IDs
- Devices
  - All
- Provisioning Profiles
  - All

## Add iOS App ID



### Registration complete.

This App ID is now registered to your account and can be used in your provisioning profiles.

App ID Description: **Myday Mobile App**

Identifier: **8369C9ES2Z.com.imtku.smap.mydaymobileapp**

Data Protection:  Disabled

Game Center:  **Enabled**

iCloud:  Disabled

In-App Purchase:  **Enabled**

Inter-App Audio:  Disabled

Passbook:  Disabled

Push Notifications:  Disabled

Done

Certificates, Identifiers & Profiles Day Min Yuh

iOS Apps

- Certificates
  - All
  - Pending
  - Development
  - Production
- Identifiers
  - App IDs
  - Pass Type IDs
  - Website Push IDs
- Devices
  - All
- Provisioning Profiles
  - All

iOS App IDs + 🔍

1 App IDs Total

Name	ID
Myday Mobile App	com.imtku.smap.mydaymobileapp

3

# Your Device has PERMISSION



Certificates, Identifiers & Profiles Day Min Yuh

iOS Apps

- Certificates
  - All
  - Pending
  - Development
  - Production
- Identifiers
  - App IDs
  - Pass Type IDs
  - Website Push IDs
- Devices**
  - All
- Provisioning Profiles
  - All

iOS Devices + [Menu] [Search]



### Getting Started with iOS Devices

To install apps and pre-release versions of iOS on a development device, you must first register that device using its unique device identifier (UDID).

#### Register Devices with Xcode

Xcode is the easiest way to register your iOS device. Connect your device to your Mac and click Use for Development in Xcode's Organizer window. Sign in with the Apple ID associated with your iOS Developer Program membership and Xcode will register the UDID of your device to your iOS development team.

#### Register Devices Manually

If you wish to upload multiple device IDs, team agents and admins can [manually register devices](#).

#### Learn More

[App Distribution Guide](#)

# Unique Device Identifier (UDID)

The screenshot shows the iTunes interface with the following details:

- Device:** iPhone 4 (iMyday iPhone)
- Storage:** 32GB (77% full)
- Capacity:** 28.30 GB
- Phone Number:** +86 134 200 12345
- Identifier (UDID):** 00f35c... (highlighted with a red box)
- Software:** iOS 7.0.4
- Buttons:** Check for Update, Restore iPhone...

**Backups Section:**

- Automatically Back Up:**
  - iCloud: Back up the most important data on your iPhone to iCloud.
  - This computer: A full backup of your iPhone will be stored on this computer.
  - Encrypt iPhone backup: This will also back up account passwords used on this iPhone. (Change Password... button)
- Manually Back Up and Restore:**
  - Back Up Now button
  - Restore Backup... button
- Latest Backups:**
  - Today 下午12:00 to iCloud
  - 2013/9/29 上午10:20 to this computer

**Options Section:**

- Automatically sync when this iPhone is connected
- Sync with this iPhone over Wi-Fi
- Sync only checked songs and videos

**Bottom Bar:** Photos | Apps | 17.31 GB Free | Sync button

# Unique Device Identifier (UDID)

The screenshot shows the iTunes interface for an iPhone 6. The top menu bar includes 'iTunes', 'File', 'Edit', 'View', 'Controls', 'Store', 'Window', and 'Help'. The status bar shows system icons and a search bar. The main content area is titled 'iPhone 6' and contains several sections:

- Capacity:** 55.97 GB
- Phone Number:** +886 933-282-012
- Serial Number:** C38NGV24G5MV (highlighted with a red box)
- iOS 8.1:** Your iPhone software is up to date. iTunes will automatically check for an update again on 2014/11/12. Buttons: 'Check for Update', 'Restore iPhone...'
- Backups:**
  - Automatically Back Up:**  iCloud (Back up the most important data on your iPhone to iCloud.),  This computer (A full backup of your iPhone will be stored on this computer.),  Encrypt iPhone backup (This will also back up account passwords used on this iPhone. Button: 'Change Password...')
  - Manually Back Up and Restore:** Manually back up your iPhone to this computer or restore a backup stored on this computer. Buttons: 'Back Up Now', 'Restore Backup...'
  - Latest Backup:** Today 下午13:36 to iCloud
- Options:**  Automatically sync when this iPhone is connected,  Sync with this iPhone over Wi-Fi,  Sync only checked songs and videos

The bottom of the screen shows a storage bar with 'Apps' highlighted, '47.23 GB Free', and a 'Sync' button.

# Unique Device Identifier (UDID)

The screenshot shows the iTunes application window with the 'iPhone 6' settings page. The UDID is highlighted in a red box and repeated in large orange text below it.

**iPhone 6**

Capacity: 55.97 GB  
Phone Number: +886 933-282-012  
**UDID: 65F4397B9A2B62F1C84B66CD149C92D07EB392F8**

iOS 8.1  
Your iPhone software is up to date. iTunes will automatically check for an update again on 2014/11/12.

Check for Update Restore iPhone...

**65f4397b9a2b62f1c84b66cd149c92d07eb3\*\*\*\***

**Backups**

**Automatically Back Up**

iCloud  
Back up the most important data on your iPhone to iCloud.

This computer  
A full backup of your iPhone will be stored on this computer.

Encrypt iPhone backup  
This will also back up account passwords used on this iPhone.  
Change Password...

**Manually Back Up and Restore**  
Manually back up your iPhone to this computer or restore a backup stored on this computer.

Back Up Now Restore Backup...

**Latest Backup:**  
Today 下午13:36 to iCloud

**Options**

Automatically sync when this iPhone is connected

Sync with this iPhone over Wi-Fi

Sync only checked songs and videos

Apps

47.23 GB Free

Sync



# Unique Device Identifier (UDID)

Apple Inc. developer.apple.com/account/ios/device/deviceCreate.action — Add — iOS Devices — Apple Developer

Developer Technologies Resources Programs Support Member Center Search Developer

## Certificates, Identifiers & Profiles

Day Min Yuh

iOS Apps

- Certificates
  - All
  - Pending
  - Development
  - Production
- Identifiers
  - App IDs
  - Pass Type IDs
  - Website Push IDs
- Devices
  - All
- Provisioning Profiles
  - All

### Add iOS Devices

+ [List Icon] [Search Icon]

#### Registering a New Device or Multiple Devices

**Pre-Release Software Reminder**  
You may only share Apple pre-release software with employees, contractors, and members of your organization who are registered as Apple developers and have a demonstrable need to know or use Apple software to develop and test applications on your behalf.

Unauthorized distribution of Apple confidential information (including pre-release software) is prohibited and may result in the termination of your Apple Developer Program. It may also subject you to civil and criminal liability.

**Register Device**  
Name your device and enter its Unique Device Identifier (UDID).

Name:

UDID:

# Unique Device Identifier (UDID)

Apple Inc. developer.apple.com/account/ios/device/deviceCreate.action — Add — iOS Devices — Apple Developer

Developer Technologies Resources Programs Support Member Center Search Developer

Certificates, Identifiers & Profiles Day Min Yuh

iOS Apps

**Certificates**

- All
- Pending
- Development
- Production

**Identifiers**

- App IDs
- Pass Type IDs
- Website Push IDs

**Devices**

- All

**Provisioning Profiles**

- All

**Add iOS Devices**

**Registering a New Device or Multiple Devices**

**Pre-Release Software Reminder**

You may only share Apple pre-release software with employees, contractors, and members of your organization who are registered as Apple developers and have a demonstrable need to know or use Apple software to develop and test applications on your behalf.

Unauthorized distribution of Apple confidential information (including pre-release software) is prohibited and may result in the termination of your Apple Developer Program. It may also subject you to civil and criminal liability.

**Register Device**

Name your device and enter its Unique Device Identifier (UDID).

Name:

UDID:

# Unique Device Identifier (UDID)

The screenshot shows the Apple Developer portal interface. The browser address bar displays the URL: `developer.apple.com/account/ios/device/deviceCreate.action`. The left sidebar contains navigation options: App IDs, Pass Type IDs, Website Push IDs, Devices (with 'All' selected), and Provisioning Profiles (with 'All' selected). The main content area features a 'Pre-Release Software Reminder' section, followed by a 'Register Device' section highlighted with a red border. This section includes a radio button, a title, a description, and two input fields: 'Name' (containing 'iMyday iPhone') and 'UDID' (containing '00f3558b78ecfa5242fe648a04da11cd140c4a27'). Below this is a 'Register Multiple Devices' section with a radio button, a description, a link to 'Download sample files', and a 'Choose File...' button. At the bottom, there are 'Cancel' and 'Continue' buttons, with the 'Continue' button highlighted by a red border.

Apple Inc. `developer.apple.com/account/ios/device/deviceCreate.action` — Add — iOS Devices — Apple Developer

App IDs

Pass Type IDs

Website Push IDs

Devices

All

Provisioning Profiles

All

**Pre-Release Software Reminder**

You may only share Apple pre-release software with employees, contractors, and members of your organization who are registered as Apple developers and have a demonstrable need to know or use Apple software to develop and test applications on your behalf.

Unauthorized distribution of Apple confidential information (including pre-release software) is prohibited and may result in the termination of your Apple Developer Program. It may also subject you to civil and criminal liability.

**Register Device**  
Name your device and enter its Unique Device Identifier (UDID).

Name:

UDID:

**Register Multiple Devices**  
Upload a file containing the devices you wish to register. Please note that a maximum of 100 devices can be included in your file and it may take a few minutes to process.  
[Download sample files](#)

Certificates, Identifiers & Profiles

Day Min Yuh

iOS Apps

- Certificates
  - All
  - Pending
  - Development
  - Production
- Identifiers
  - App IDs
  - Pass Type IDs
  - Website Push IDs
- Devices
  - All
- Provisioning Profiles
  - All

Add iOS Devices



Review and register.

Confirm the device information is correct. Once this device is registered, you will not be able to edit the UDID and can only edit the name or disable it.

Name: iMyday iPhone  
UDID: 00f3558b78ecfa5242fe648a04da11cd140c4a27

You can register 200 devices.

The maximum number of devices you can register per membership year is 200. You may reset your device list at the start of your next membership year.

Cancel Back Register

Certificates, Identifiers & Profiles

Day Min Yuh

iOS Apps

Add iOS Devices



Certificates

- All
- Pending
- Development
- Production

Identifiers

- App IDs
- Pass Type IDs
- Website Push IDs

Devices

- All

Provisioning Profiles

- All



Registration complete.

Your device has been registered and can now be included in provisioning profiles for app development and installation. Registered devices are also eligible to install pre-release versions of iOS. For step-by-step instructions review the following:

[App Distribution Guide](#)

Add More

Done

Certificates, Identifiers & Profiles

Day Min Yuh

iOS Apps

Certificates

- All
- Pending
- Development
- Production

Identifiers

- App IDs
- Pass Type IDs
- Website Push IDs

Devices

- All

Provisioning Profiles

- All

iOS Devices



Reset your device list before adding any new devices.

Get Started

You can register 199 additional devices.

Name	UDID
iMyday iPhone	00f3558b78ecfa5242fe648a04da11cd140c4a27

Certificates, Identifiers & Profiles

Day Min Yuh

iOS Apps

Certificates

- All
- Pending
- Development
- Production

Identifiers

- App IDs
- Pass Type IDs
- Website Push IDs

Devices

- All

Provisioning Profiles

- All

iOS Provisioning Profiles



Getting Started with iOS Provisioning Profiles

Provisioning profiles allow you to install apps onto your iOS devices. A provisioning profile includes signing certificates, device identifiers, and an App ID. Development provisioning profiles are used to build and install versions of your app during the development cycle, while distribution provisioning profiles are used to submit your apps to the App Store and distribute them to beta testers.

Generate Provisioning Profiles with Xcode

Xcode is the easiest way to create an iOS provisioning profile. Connect your device to your Mac and click Use for Development in Xcode's Organizer window. Sign in with the Apple ID associated with your iOS Developer Program membership and Xcode will generate a provisioning profile containing your certificate and device identifier.

Generate Provisioning Profiles Manually

Team agents and admins can [manually generate profiles](#).

Certificates, Identifiers & Profiles

Day Min Yuh

iOS Apps

Certificates

- All
- Pending
- Development
- Production

Identifiers

- App IDs
- Pass Type IDs
- Website Push IDs

Devices

- All

Provisioning Profiles

- All

Add iOS Provisioning Profile



Select Type Configure Generate Download



What type of provisioning profile do you need?

Development

- iOS App Development**  
Create a provisioning profile to install development apps on test devices.

Cancel Continue



Certificates, Identifiers & Profiles

Day Min Yuh

iOS Apps

Certificates

- All
- Pending
- Development
- Production

Identifiers

- App IDs
- Pass Type IDs
- Website Push IDs

Devices

- All

Provisioning Profiles

- All

Add iOS Provisioning Profile



Select Type Configure Generate Download



What type of provisioning profile do you need?

Development

- iOS App Development**  
Create a provisioning profile to install development apps on test devices.

Cancel

Continue

Certificates, Identifiers & Profiles

Day Min Yuh

iOS Apps

- Certificates
  - All
  - Pending
  - Development
  - Production

- Identifiers
  - App IDs
  - Pass Type IDs
  - Website Push IDs

- Devices
  - All

- Provisioning Profiles
  - All

Add iOS Provisioning Profile



Select Type Configure Generate Download



Select App ID.

If you plan to use services such as Game Center, In-App Purchase, and Push Notifications, or want a Bundle ID unique to a single app, use an explicit App ID. If you want to create one provisioning profile for multiple apps or don't need a specific Bundle ID, select a wildcard App ID. Wildcard App IDs use an asterisk (\*) as the last digit in the Bundle ID field. Please note that iOS App IDs and Mac App IDs cannot be used interchangeably.

App ID: Myday Mobile App (8369C9E52Z.com.imtku.smap.mydaymobileapp)

Cancel Back Continue

Certificates, Identifiers & Profiles

Day Min Yuh

iOS Apps

Certificates

- All
- Pending
- Development
- Production

Identifiers

- App IDs
- Pass Type IDs
- Website Push IDs

Devices

- All

Provisioning Profiles

- All

Add iOS Provisioning Profile



Select Type Configure Generate Download



Select certificates.

Select the certificates you wish to include in this provisioning profile. To use this profile to install an app, the certificate the app was signed with must be included.

- Select All 0 of 1 item(s) selected
- Day Min Yuh (iOS Development)

Cancel Back Continue

Certificates, Identifiers & Profiles

Day Min Yuh

iOS Apps

Certificates

- All
- Pending
- Development
- Production

Identifiers

- App IDs
- Pass Type IDs
- Website Push IDs

Devices

- All

Provisioning Profiles

- All

Add iOS Provisioning Profile



Select Type Configure Generate Download



Select certificates.

Select the certificates you wish to include in this provisioning profile. To use this profile to install an app, the certificate the app was signed with must be included.

- Select All 1 of 1 item(s) selected
- Day Min Yuh (iOS Development)

Cancel Back Continue

Certificates, Identifiers & Profiles

Day Min Yuh

iOS Apps

Certificates

- All
- Pending
- Development
- Production

Identifiers

- App IDs
- Pass Type IDs
- Website Push IDs

Devices

- All

Provisioning Profiles

- All

Add iOS Provisioning Profile



Select Type Configure Generate Download



Select devices.

Select the devices you wish to include in this provisioning profile. To install an app signed with this profile on a device, the device must be included.

Select All 0 of 1 item(s) selected

iMyday iPhone

Cancel Back Continue

Certificates, Identifiers & Profiles

Day Min Yuh

iOS Apps

Certificates

- All
- Pending
- Development
- Production

Identifiers

- App IDs
- Pass Type IDs
- Website Push IDs

Devices

- All

Provisioning Profiles

- All

Add iOS Provisioning Profile



Select Type Configure Generate Download



Select devices.

Select the devices you wish to include in this provisioning profile. To install an app signed with this profile on a device, the device must be included.

- Select All 1 of 1 item(s) selected
- iMyday iPhone

Cancel Back Continue

Certificates, Identifiers & Profiles

Day Min Yuh

iOS Apps

- Certificates
  - All
  - Pending
  - Development
  - Production

- Identifiers
  - App IDs
  - Pass Type IDs
  - Website Push IDs

- Devices
  - All

- Provisioning Profiles
  - All

Add iOS Provisioning Profile



Select Type Configure Generate Download



Name this profile and generate.

The name you provide will be used to identify the profile in the portal. You cannot use special characters such as @, &, \*, ', " for your profile name.

Profile Name:

Type: Development

App ID: Myday Mobile App  
(8369C9ES2Z.com.imtku.smap.mydaymobileapp)

Certificates: 1 Included

Devices: 1 Included

Cancel

Back

Generate

Certificates, Identifiers & Profiles

Day Min Yuh

iOS Apps

- Certificates
  - All
  - Pending
  - Development
  - Production

- Identifiers
  - App IDs
  - Pass Type IDs
  - Website Push IDs

- Devices
  - All

- Provisioning Profiles
  - All

Add iOS Provisioning Profile



Select Type Configure Generate Download



Name this profile and generate.

The name you provide will be used to identify the profile in the portal. You cannot use special characters such as @, &, \*, ', " for your profile name.

Profile Name: MydayMobileApp

Type: Development

App ID: Myday Mobile App  
(8369C9ES2Z.com.imtku.smap.mydaymobileapp)

Certificates: 1 Included

Devices: 1 Included

Cancel

Back

Generate



Certificates, Identifiers & Profiles

Day Min Yuh

iOS Apps

- Certificates
  - All
  - Pending
  - Development
  - Production

- Identifiers
  - App IDs
  - Pass Type IDs
  - Website Push IDs

- Devices
  - All

- Provisioning Profiles
  - All

Add iOS Provisioning Profile



Select Type Configure Generate Download



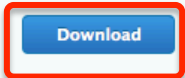
Your provisioning profile is ready.

Download and Install

Download and double click the following file to install your Provisioning Profile.



Name: MydayMobileApp  
Type: Development  
App ID: 8369C9ES2Z.com.imtku.smap.mydaymobileapp  
Expires: Nov 23, 2014

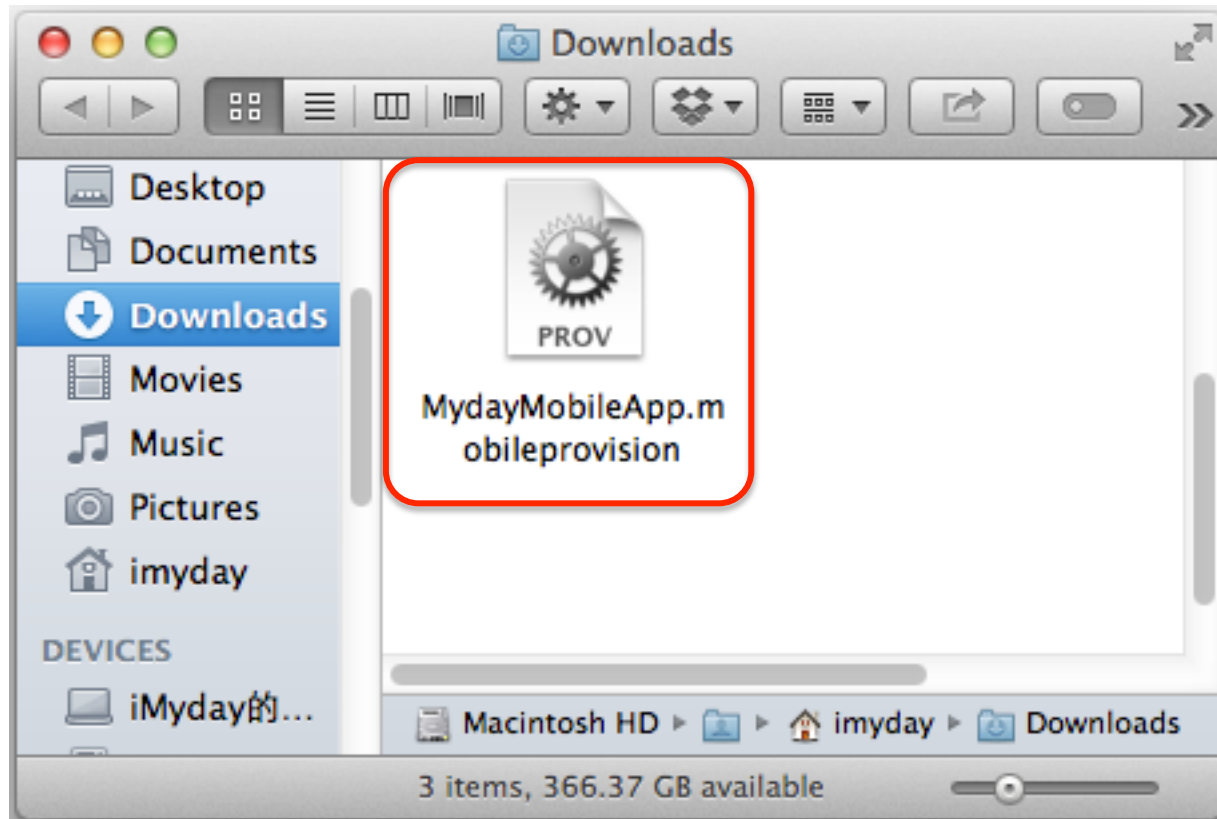


Documentation

For more information on using and managing your Provisioning Profile read:

[App Distribution Guide](#)

# MydayMobileApp.mobileprovision



Click to lock the login keychain.

Keychains

- login
- Microsoft\_Intermediate\_Certificates
- iCloud
- System
- System Roots

Category

- All Items
- Passwords
- Secure Notes
- My Certificates
- Keys
- Certificates



**iPhone Developer: Day Min Yuh (8Y3E38SUVG)**

Issued by: Apple Worldwide Developer Relations Certification Authority  
Expires: 2014年11月23日星期日 下午20:05:20 [GMT+8]

✔ This certificate is valid

Name	Kind
▶ iPhone Developer: Day Min Yuh (8Y3E38SUVG)	certificate
▶ com.apple.idms.appleid.prd....58492f4e764c444d774b513d3d	certificate
▶ Apple Application Integration Certification Authority	certificate

+ ⓘ Copy

3 items

Apple Keychain Access File Edit View Window Help

Keychain Access

Click to lock the login keychain.

Keychains

- login
- Microsoft\_Intermediate\_Certificates
- iCloud
- System
- System Roots

Category

- All Items
- Passwords
- Secure Notes
- My Certificates
- Keys
- Certificates

**iPhone Developer: Day Min Yuh (8Y3E38SUVG)**

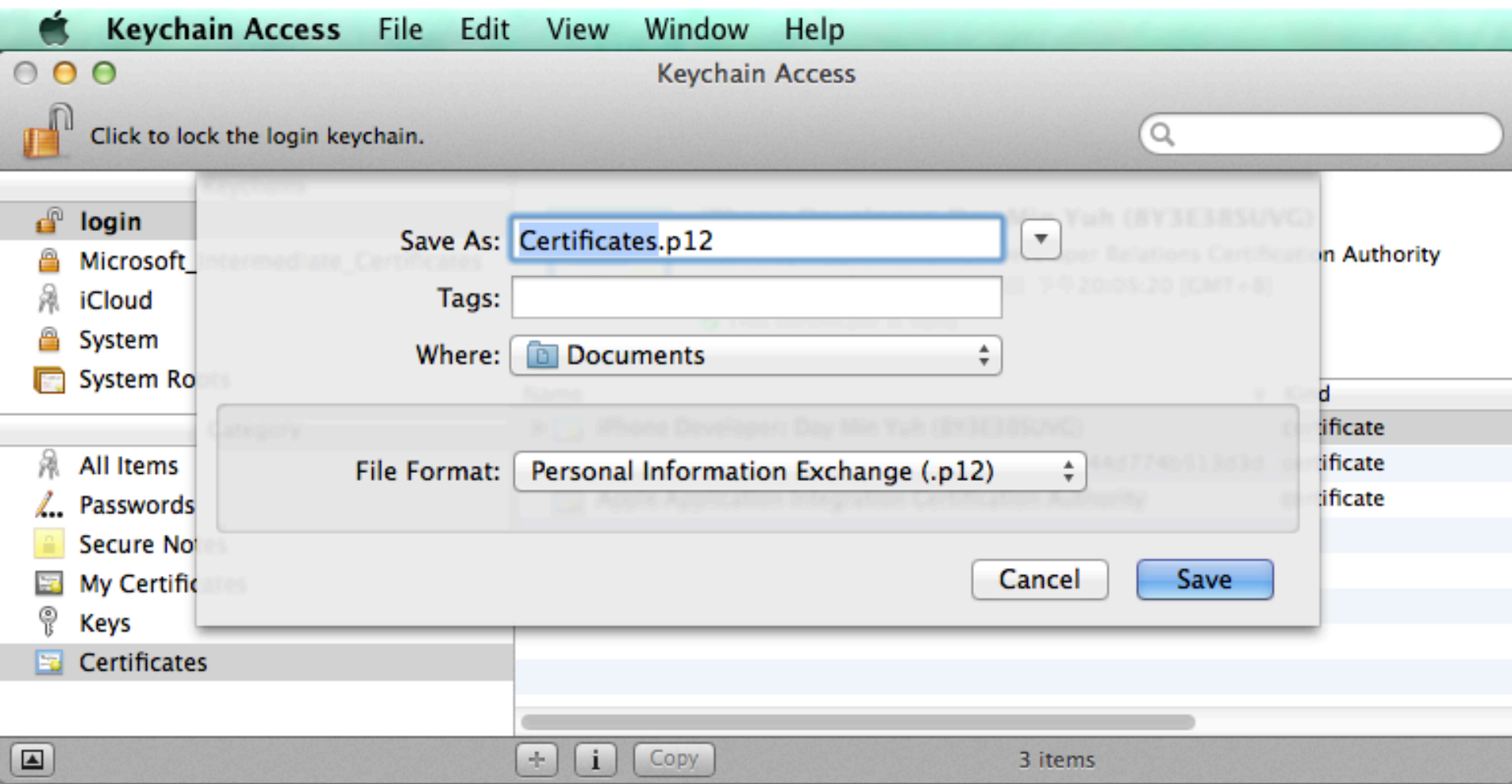
Issued by: Apple Worldwide Developer Relations Certification Authority  
Expires: 2014年11月23日星期日 下午20:05:20 [GMT+8]  
This certificate is valid

Name	Kind
▶ iPhone Developer: Day Min Yuh (8Y3E38SUVG)	
▶ com.apple.idms.appleid.prd....58492f4e764c444	
▶ Apple Application Integration Certification Autho	

New Identity Preference...  
Copy "iPhone Developer: Day Min Yuh (8Y3E38SUVG)"  
Delete "iPhone Developer: Day Min Yuh (8Y3E38SUVG)"  
Export "iPhone Developer: Day Min Yuh (8Y3E38SUVG)"...  
Get Info  
Evaluate "iPhone Developer: Day Min Yuh (8Y3E38SUVG)"...

3 items

# Certificates.p12





**Enter a password which will be used to protect the exported items:**

Password:



Verify:

[Password Strength:](#) Weak



Cancel

OK

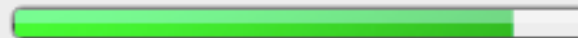


**Enter a password which will be used to protect the exported items:**

Password:



Verify:



Password Strength: Excellent



Cancel

OK



**Keychain Access wants to export key "iMyday" from your keychain.**

To allow this, enter the "login" keychain password.

Password:

.....



Always Allow

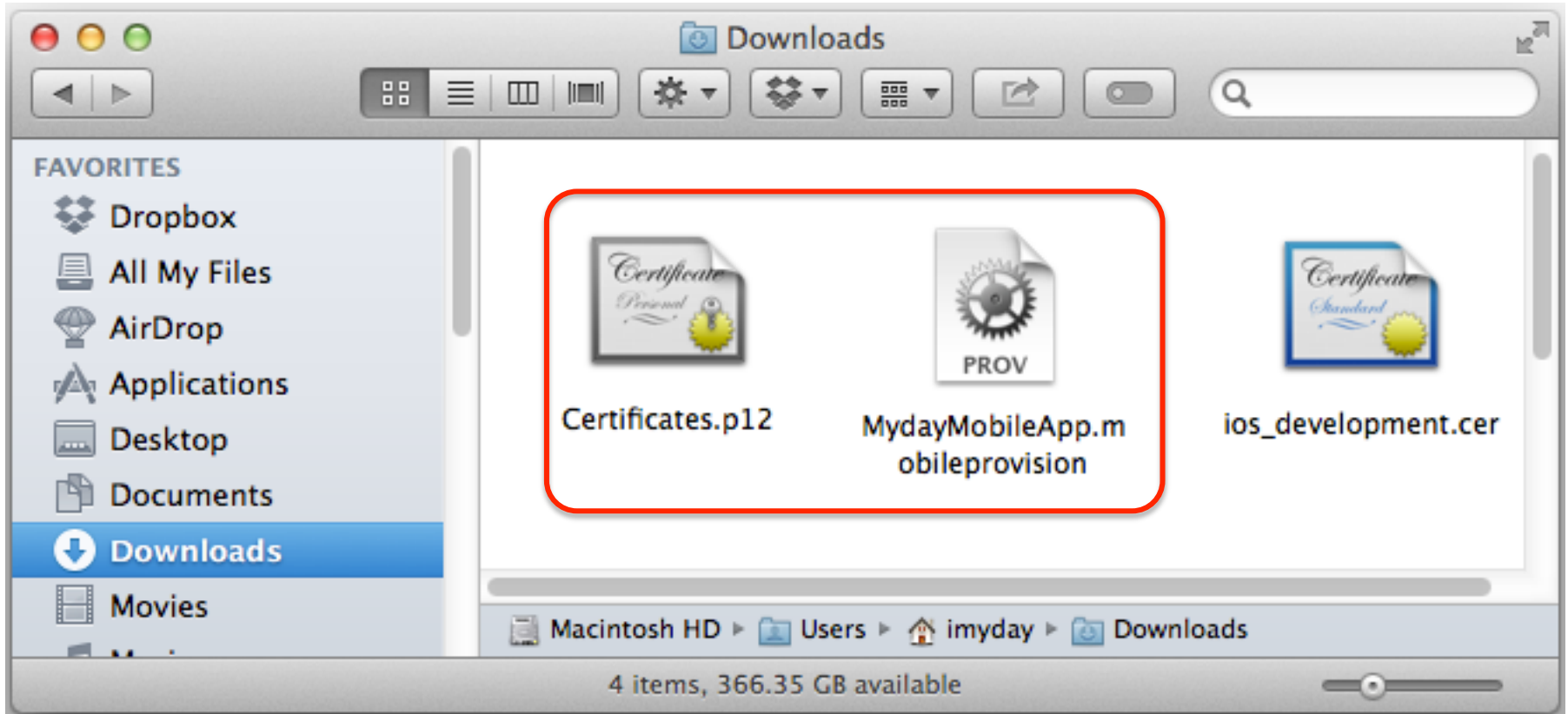
Deny

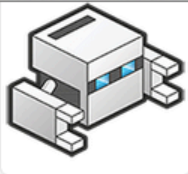
Allow



# Certificates.p12

## MydayMobileApp.mobileprovision





# Myday Mobile App

Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University



Install

Update code Rebuild all

Builds Plugins Collaborators Settings

App ID	Version	PhoneGap	Owned by	Last built (18)	Source
573842	1.0.0	2.9.0	imyday@gmail.com	8 minutes	zip package

ios No key selected

title

certificate (p12) file  No file chosen

provisioning profile  No file chosen

cancel submit key

Rebuild

No key selected

Rebuild

Rebuild

No key selected

Rebuild

Rebuild

Rebuild

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Find out more

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Feedback

# Certificates.p12

The screenshot shows the Adobe PhoneGap Build web interface. A file selection dialog is open over the interface, displaying the 'Downloads' folder. A red box highlights the 'Certificates.p12' file in the dialog. A red arrow points from this file to the 'certificate (p12) file' field in the 'Myday Mobile App' configuration panel. The configuration panel also shows fields for 'title' (Myday Mobile App), 'provisioning profile', and 'certificate (p12) file'. The 'certificate (p12) file' field has a 'Choose File' button and the text 'No file chosen'. The background interface shows various build options for different platforms (iOS, Android, Windows, etc.) and a QR code for installation.

Adobe PhoneGap Build

https://build.phonegap.com/apps/573842/builds

Myday Mobile App

Update code Rebuild all

Builds Plugins

App ID 573842 Version 1.0.0 PhoneGap 2.9.0 Owned by imyday

ios No key selected Rebuild Error Rebuild apk

xap

OTA install

ipk wgz

cancel submit key

Powered by Adobe® PhoneGap™

Copyright © 2013 Adobe Systems Incorporated. All rights reserved.

PhoneGap is a trademark of Adobe. You may not use PHONEGAP or GAP in the title of any application built using PhoneGap or the PhoneGap Build service.

# MydayMobileApp.mobileprovision

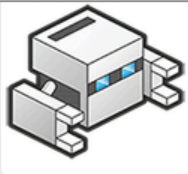
The screenshot shows the Adobe PhoneGap Build web interface. A file selection dialog is open over the 'Downloads' folder, highlighting a file named 'MydayMobileApp.mobileprovision'. A red box highlights this file in the dialog, and another red box highlights the 'provisioning profile' field in the main interface, with a red arrow pointing from the file to the field.

**File Selection Dialog:**

- Location: Downloads
- Files: Certificates.p12, ios\_development.cer, MydayMobileApp.mobileprovision (highlighted)
- Buttons: Cancel, Open

**Main Interface Fields:**

- App ID: 573842
- Version: 1.0.0
- PhoneGap: 2.9.0
- Owned by: imyday
- Platform: iOS (No key selected)
- Build Status: Error
- Provisioning Profile: No file chosen (highlighted)



# Myday Mobile App

Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University



Install

Update code Rebuild all

- Builds
- Plugins
- Collaborators
- Settings

App ID	Version	PhoneGap	Owned by	Last built (18)	Source
573842	1.0.0	2.9.0	imyday@gmail.com	10 days	zip package

ios No key selected [Rebuild] [Error]

android No key selected [Rebuild] [apk]

blackberry No key selected [Rebuild] [OTA install]

windows No key selected [Rebuild] [ipk]

windowsphone No key selected [Rebuild] [wgz]

title  
Myday Mobile App

certificate (p12) file  
Choose File Certificates.p12

provisioning profile  
Choose File MydayMobileA...ileprovision

cancel submit key

Powered by Adobe® PhoneGap™

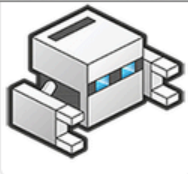


Find out more

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Feedback



# Myday Mobile App

Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University



Install

Update code Rebuild all

- Builds
- Plugins
- Collaborators
- Settings

App ID	Version	PhoneGap	Owned by	Last built (18)	Source
573842	1.0.0	2.9.0	imyday@gmail.com	10 days	zip package

<p>ios Myday Mobile App </p> <p>Rebuild <b>Error</b></p>	<p>android No key selected</p> <p>Rebuild apk</p>
<p>windows Rebuild xap</p>	<p>blackberry No key selected</p> <p>Rebuild OTA install</p>
<p>hp Rebuild ipk</p>	<p>ios Rebuild wgz</p>

Feedback

Language: English

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Find out more


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# Myday Mobile App

Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University







[Install](#) 



[Update code](#) [Rebuild all](#)

[Builds](#) [Plugins](#) [Collaborators](#) [Settings](#)

App ID	Version	PhoneGap	Owned by	Last built (18)	Source
573842	1.0.0	2.9.0	imyday@gmail.com	10 days	zip package

**iOS** Myday Mobile App  [Rebuild](#) [Error](#)  No key selected [Rebuild](#) [apk](#)

 [xap](#)  No key selected [Rebuild](#) [OTA install](#)

 [ipk](#)  [Rebuild](#) [wgz](#)

**Unlock key `Myday Mobile App`**

certificate password

Set as your default key

This key will be unlocked for one month

[cancel](#) [submit key](#)

Feedback

Language: [English](#)

Navigation

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Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University



Install

Update code Rebuild all

# certificate password

Builds Plugins Collaborators Settings

App ID	Version	PhoneGap	Owned by	Last built (18)	Source
573842	1.0.0	2.9.0	imyday@gmail.com	10 days	zip package

IOS Myday Mobile App [lock icon] Rebuild [Error icon] No key selected [Rebuild] apk

[Windows icon] [lock icon] Unlock key `Myday Mobile App` [Rebuild] [OTA Install]

[hp icon] [lock icon] [Rebuild] [ipk] [Rebuild] [wgz]

Unlock key `Myday Mobile App`

certificate password

Set as your default key

This key will be unlocked for one month

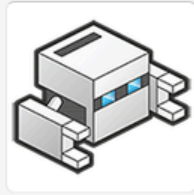
cancel submit key

Feedback

Language: English  
Navigation  
Apps

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# Myday Mobile App

Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University



Install

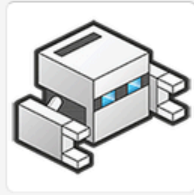
Update code Rebuild all

Builds Plugins Collaborators Settings

App ID	Version	PhoneGap	Owned by	Last built (18)	Source
573842	1.0.0	2.9.0	imyday@gmail.com	10 days	zip package

ios	Myday Mobile App	<b>Rebuild</b>	Error		No key selected	Rebuild	apk
		Rebuild	xap		No key selected	Rebuild	OTA install
		Rebuild	ipk			Rebuild	wgz

Feedback



# Myday Mobile App

Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University



Install

Update code Rebuild all

Builds Plugins Collaborators Settings

App ID	Version	PhoneGap	Owned by	Last built (18)	Source
573842	1.0.0	2.9.0	imyday@gmail.com	10 days	zip package

iOS Myday Mobile App pending

No key selected Rebuild apk

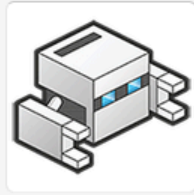
Rebuild xap

No key selected Rebuild OTA install

Rebuild ipk

Rebuild wgz

Feedback



# Myday Mobile App

Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University



Install

Update code Rebuild all

Builds Plugins Collaborators Settings

App ID	Version	PhoneGap	Owned by	Last built (19)	Source
573842	1.0.0	2.9.0	imyday@gmail.com	1 minute	zip package

ios Myday Mobile App [v] [Rebuild] [ipa]

[Windows icon] [Rebuild] [xap]

[hp icon] [Rebuild] [ipk]

[Android icon] No key selected [v] [Rebuild] [apk]

[BlackBerry icon] No key selected [v] [Rebuild] [OTA install]

[i icon] [Rebuild] [wgz]

Feedback

# Download MydayMobileApp.ipa


Adobe PhoneGap Build

https://build.phonegap.com/apps/573842/builds

Bd Apps Plugins Docs Blog FAQ Support

Myday Mobile App

Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University



Install

Update code Rebuild all

Builds Plugins Collaborators Settings

App ID	Version	PhoneGap	Owned by	Last built (19)	Source
573842	1.0.0	2.9.0	imyday@gmail.com	1 minute	zip package

ios Myday Mobile App Rebuild ipa

android No key selected Rebuild apk

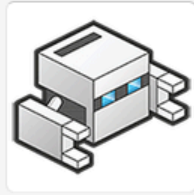
wp No key selected Rebuild OTA install

hp Rebuild ipk

Rebuild wgz

MydayMobileApp.ipa 3.2/5.4 MB, 7 secs left

Show All



# Myday Mobile App

Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University



Install

Update code Rebuild all

Feedback

Builds Plugins Collaborators Settings

App ID	Version	PhoneGap	Owned by	Last built (19)	Source
573842	1.0.0	2.9.0	imyday@gmail.com	1 minute	zip package

ios Myday Mobile App Rebuild ipa

No key selected Rebuild apk

Rebuild xap

No key selected Rebuild OTA install

Rebuild ipk

Rebuild wgz

MydayMobileApp.ipa

Show All

# Install on iOS Devices (iPhone/iPAD)


Adobe PhoneGap Build

https://build.phonegap.com/apps/573842/builds

Bd Apps Plugins Docs Blog FAQ Support

Myday Mobile App

Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University



Install

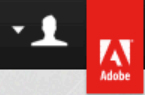
Update code Rebuild all

Builds Plugins Collaborators Settings

App ID	Version	PhoneGap	Owned by	Last built (19)	Source
573842	1.0.0	2.9.0	imyday@gmail.com	7 minutes	zip package

ios  Myday Mobile App options  
No key selected  
add a key ...

ios	Rebuild	ipa	No key selected	Rebuild	apk
android	Rebuild	xap	No key selected	Rebuild	OTA install
hp	Rebuild	ipk		Rebuild	wgz



# Install Myday Mobile App 1.0.0

Feedback

**ANDROID**  
apk

**BlackBerry**  
OTA install

**iOS**  
ipa

**symbian**  
wgz

**webOS**  
ipk

**Windows Phone**  
xap

Language:  
English

Navigation  
Apps  
Plugins

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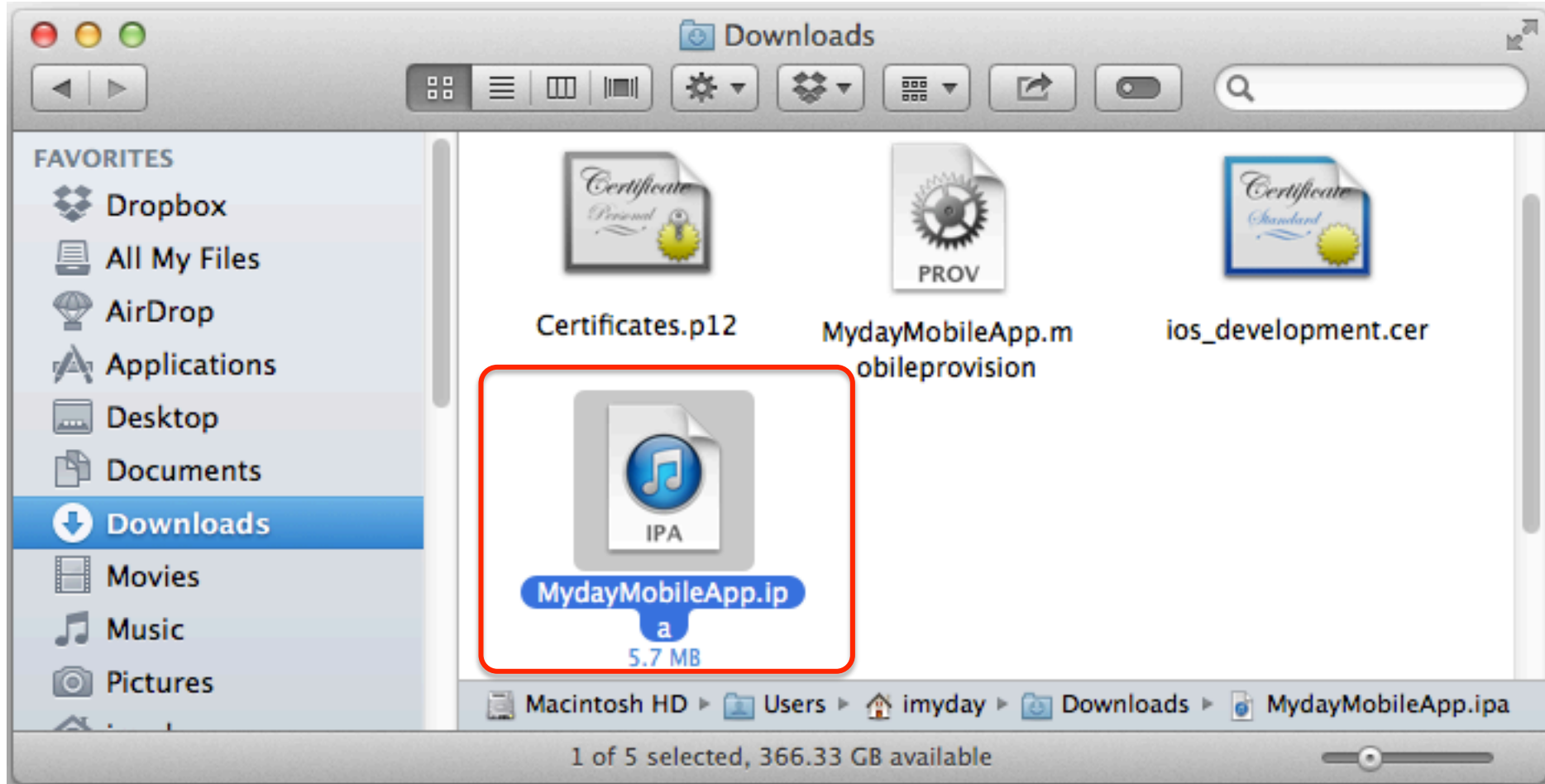
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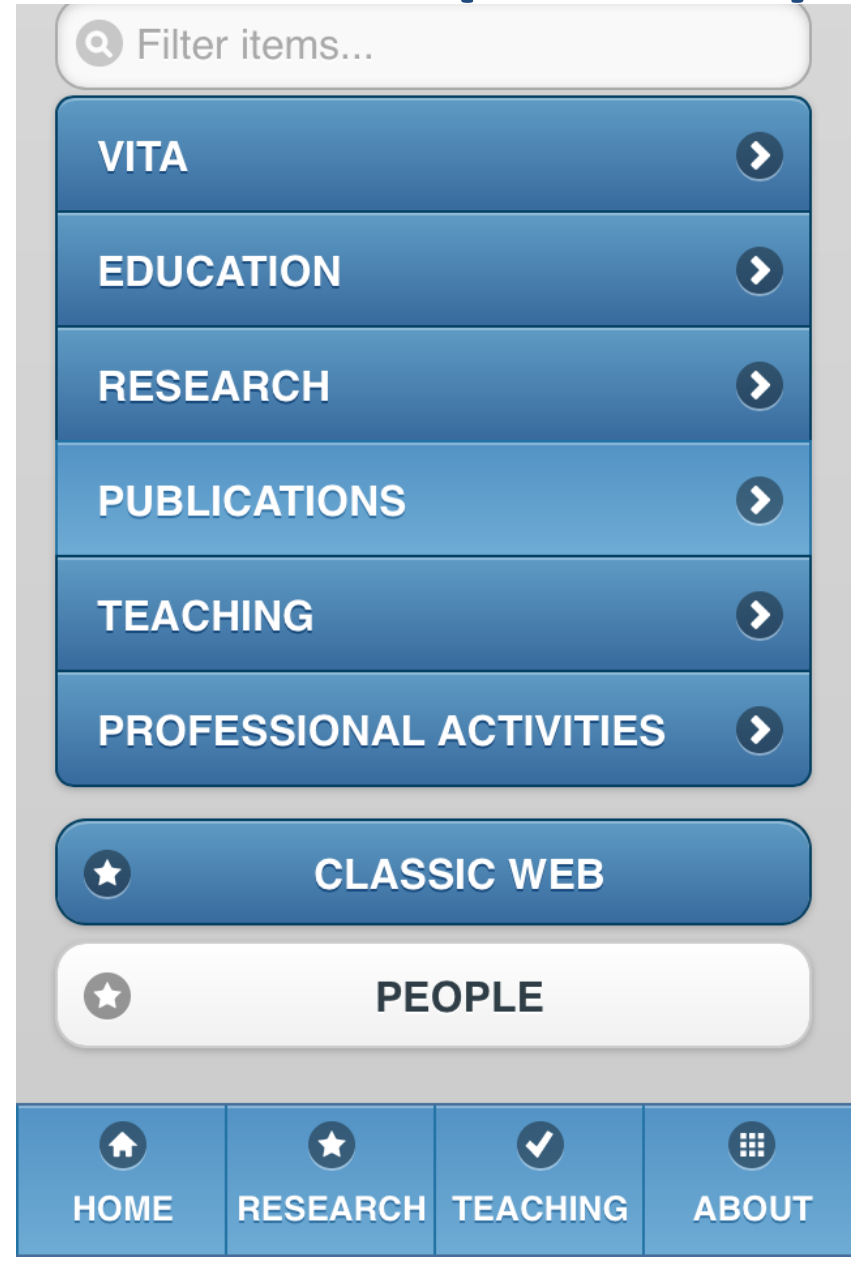
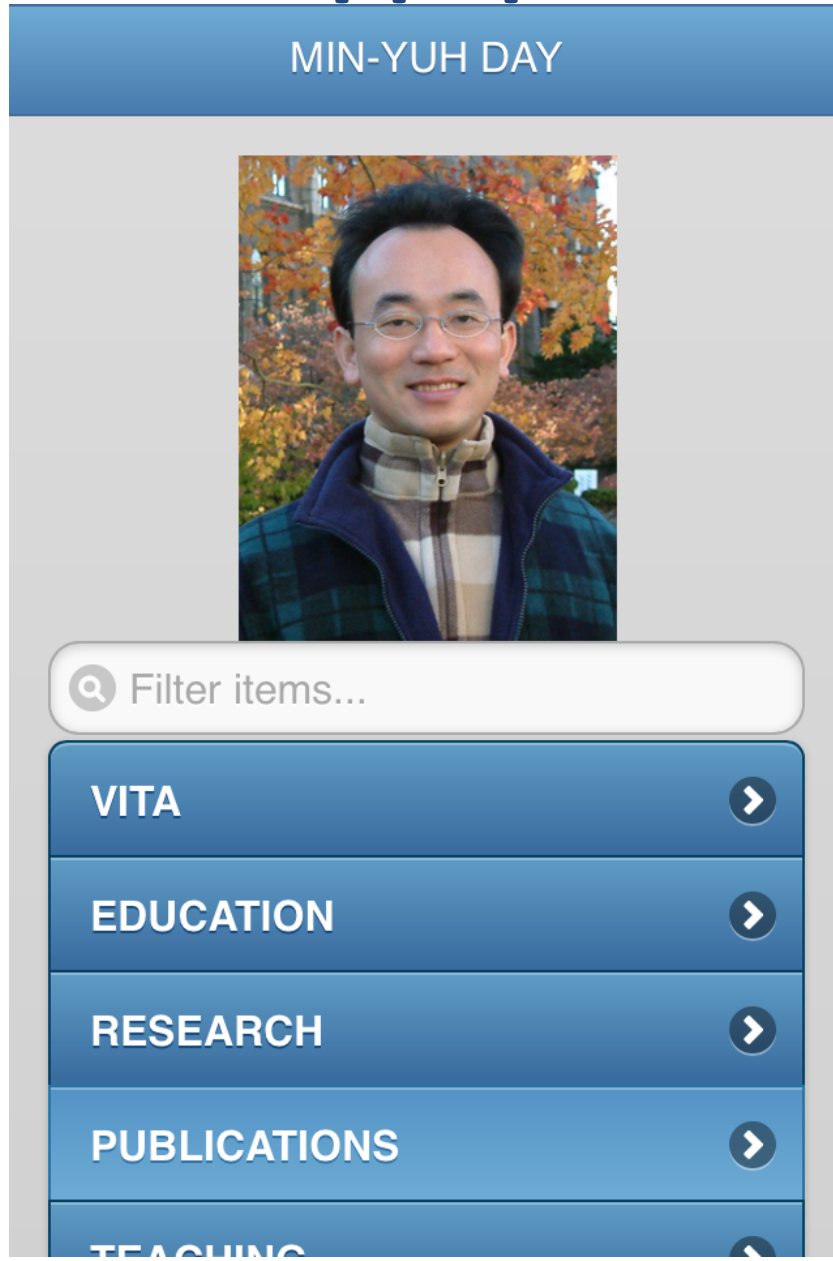
[Terms of Use](#) | [Privacy Policy and Cookies](#)

# MydayMobileApp.ipa

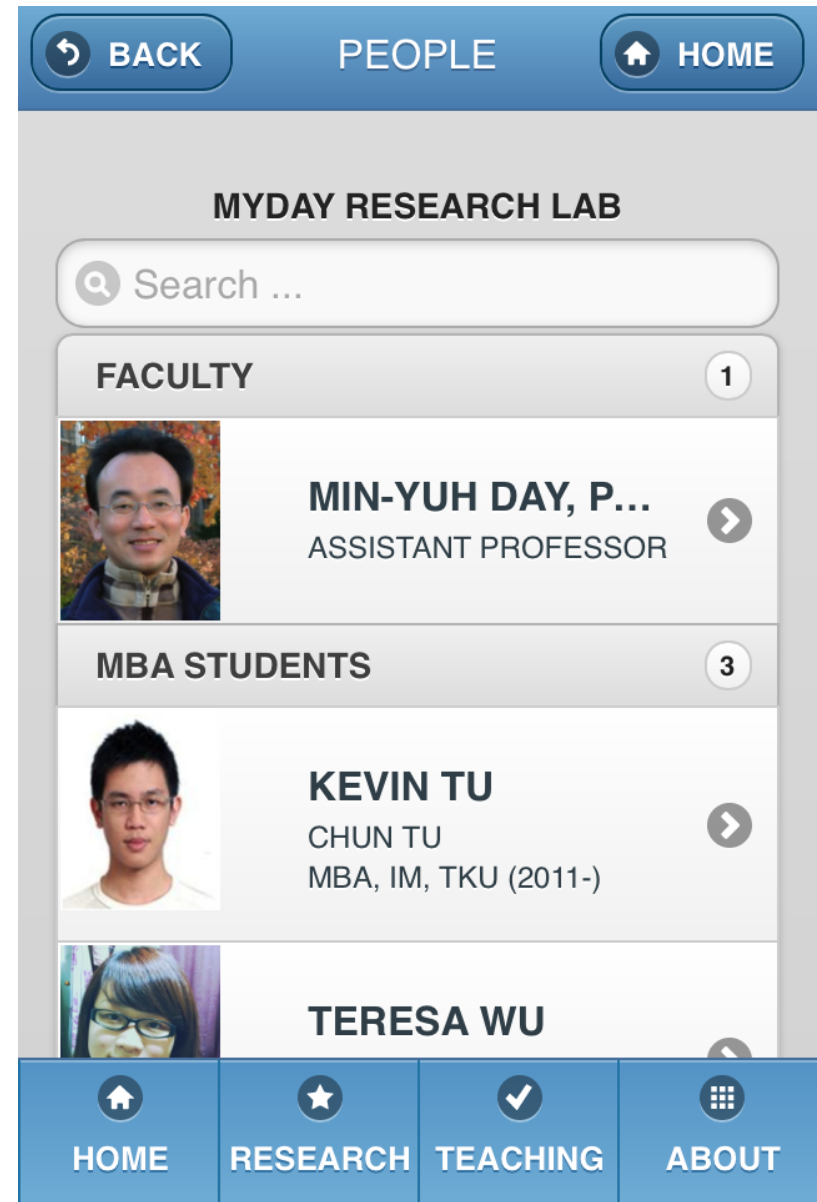
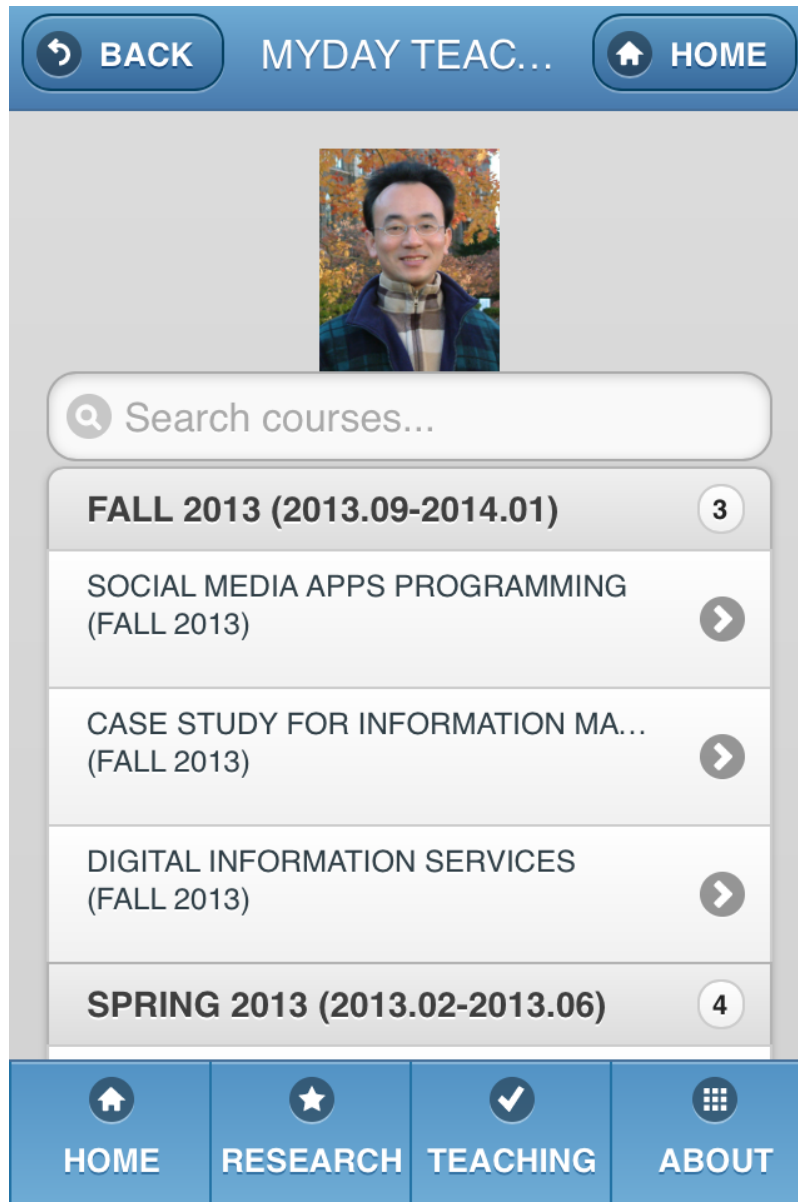




# Test app.ipa on iOS Devices (iPhone)



# Test app.ipa on iOS Devices (iPhone)



# Test app.ipa on iOS Devices (iPhone)

← BACK ABOUT MYDA... HOME →



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**EMAIL:** [MYDAY@MAIL.TKU.EDU.TW](mailto:MYDAY@MAIL.TKU.EDU.TW)  
**WEB:** [HTTP://MAIL.TKU.EDU.TW/MYDAY/](http://MAIL.TKU.EDU.TW/MYDAY/)

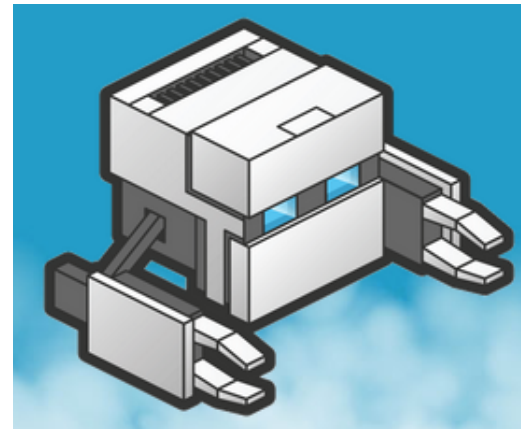
GOOGLE MAP

HOME RESEARCH TEACHING ABOUT

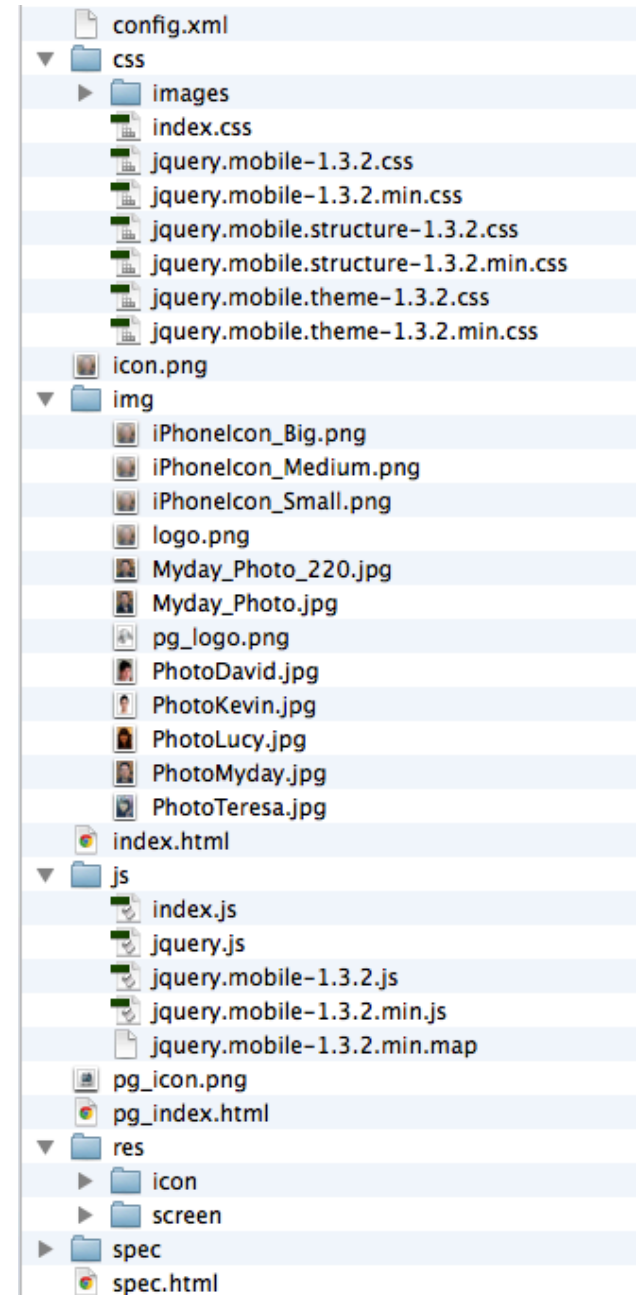
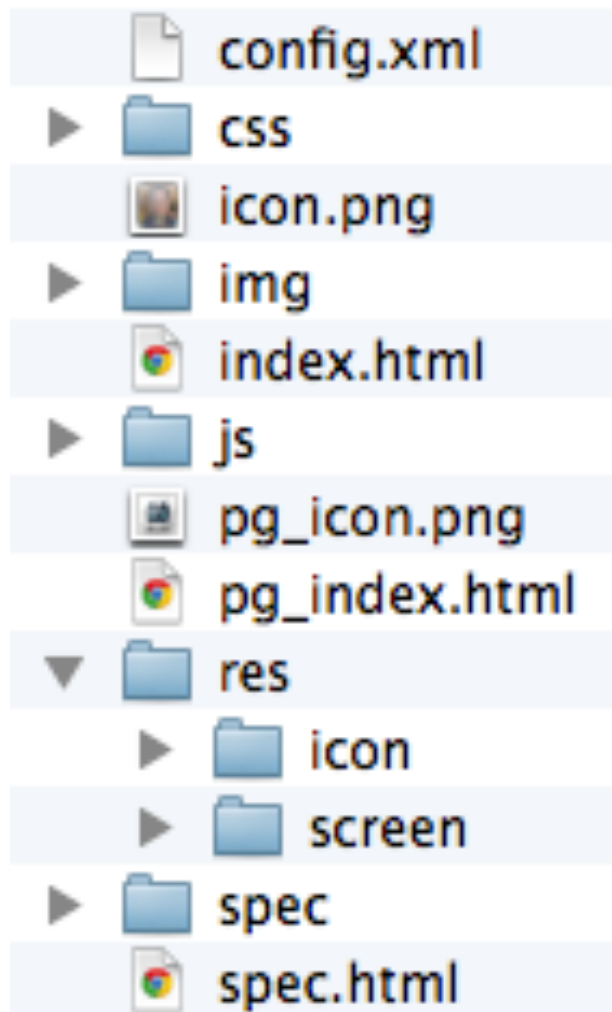
# Demo

## Testing and Refining Your App

<https://build.phonegap.com/>



# app.zip



text-transform:uppercase;

SOCIAL MEDIA

index.css



text-transform:none;

Social Media

```
index.css *
22
23 body {
24   -webkit-touch-callout: none;           /* prevent callout to copy image, etc when tap to hold */
25   -webkit-text-size-adjust: none;       /* prevent webkit from resizing text to fit */
26   -webkit-user-select: none;           /* prevent copy paste, to allow, change 'none' to 'text' */
27   background-color:#E4E4E4;
28   background-image:linear-gradient(top, #A7A7A7 0%, #E4E4E4 51%);
29   background-image:-webkit-linear-gradient(top, #A7A7A7 0%, #E4E4E4 51%);
30   background-image:-ms-linear-gradient(top, #A7A7A7 0%, #E4E4E4 51%);
31   background-image:-webkit-gradient(
32     linear,
33     left top,
34     left bottom,
35     color-stop(0, #A7A7A7),
36     color-stop(0.51, #E4E4E4)
37   );
38   background-attachment:fixed;
39   font-family:'HelveticaNeue-Light', 'HelveticaNeue', Helvetica, Arial, sans-serif;
40   font-size:12px;
41   height:100%;
42   margin:0px;
43   padding:0px;
44   text-transform:uppercase;
45   width:100%;
46 }
```

<!--PhoneGap-->  
<link rel="stylesheet" type="text/css" href="css/index.css" />

```
text-transform:uppercase;
```

**SOCIAL MEDIA**

**index.css**



```
text-transform:none;
```

**Social Media**

```
index.css *
22
23 body {
24     -webkit-touch-callout: none; /* prevent callout to copy image, etc when tap to hold */
25     -webkit-text-size-adjust: none; /* prevent webkit from resizing text to fit */
26     -webkit-user-select: none; /* prevent copy paste, to allow, change 'none' to 'text' */
27     background-color:#E4E4E4;
28     background-image:linear-gradient(top, #A7A7A7 0%, #E4E4E4 51%);
29     background-image:-webkit-linear-gradient(top, #A7A7A7 0%, #E4E4E4 51%);
30     background-image:-ms-linear-gradient(top, #A7A7A7 0%, #E4E4E4 51%);
31     background-image:-webkit-gradient(
32         linear,
33         left top,
34         left bottom,
35         color-stop(0, #A7A7A7),
36         color-stop(0.51, #E4E4E4)
37     );
38     background-attachment:fixed;
39     font-family:'HelveticaNeue-Light', 'HelveticaNeue', Helvetica, Arial, sans-serif;
40     font-size:12px;
41     height:100%;
42     margin:0px;
43     padding:0px;
44     text-transform:none;
45     width:100%;
46 }
```

```
<!--PhoneGap-->
<link rel="stylesheet" type="text/css" href="css/index.css" />
```





# phonegap.js

## Removing Unnecessary Files

Once you've included the necessary assets, remove the `phonegap.js` (`cordova.js`) as Build will automatically inject it during compile time.

## Why must you delete the `phonegap.js`?

PhoneGap requires a different JavaScript file for each platform and using an incompatible `phonegap.js` will result in errors when running your application.

## Making Sure You can Still Access the PhoneGap API

Once you've deleted the `phonegap.js` you'll need to make sure that your application can still access the PhoneGap API.

To do so, simply ensure that the following reference is made in your `index.html`

```
<script src="phonegap.js"></script>
```

## Usage and Additional Information:

Unless otherwise specified in a config.xml, each platform will try to use the default `splash.png` during compilation. To define platform specific splash screens please use the guide provided below.

Splash files should be the file formats specified in the examples below. Any other file type is not guaranteed to work across platforms.

### Warning:

If you do not supply the `gap:platform` attribute, the referenced image will be copied to ALL platforms, increasing the size of their application packages.

### Default

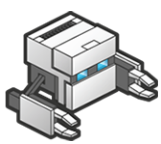
The default splash must be named `splash.png` and must reside in the root of your application folder.

```
<gap:splash src="splash.png" />
```

### iOS

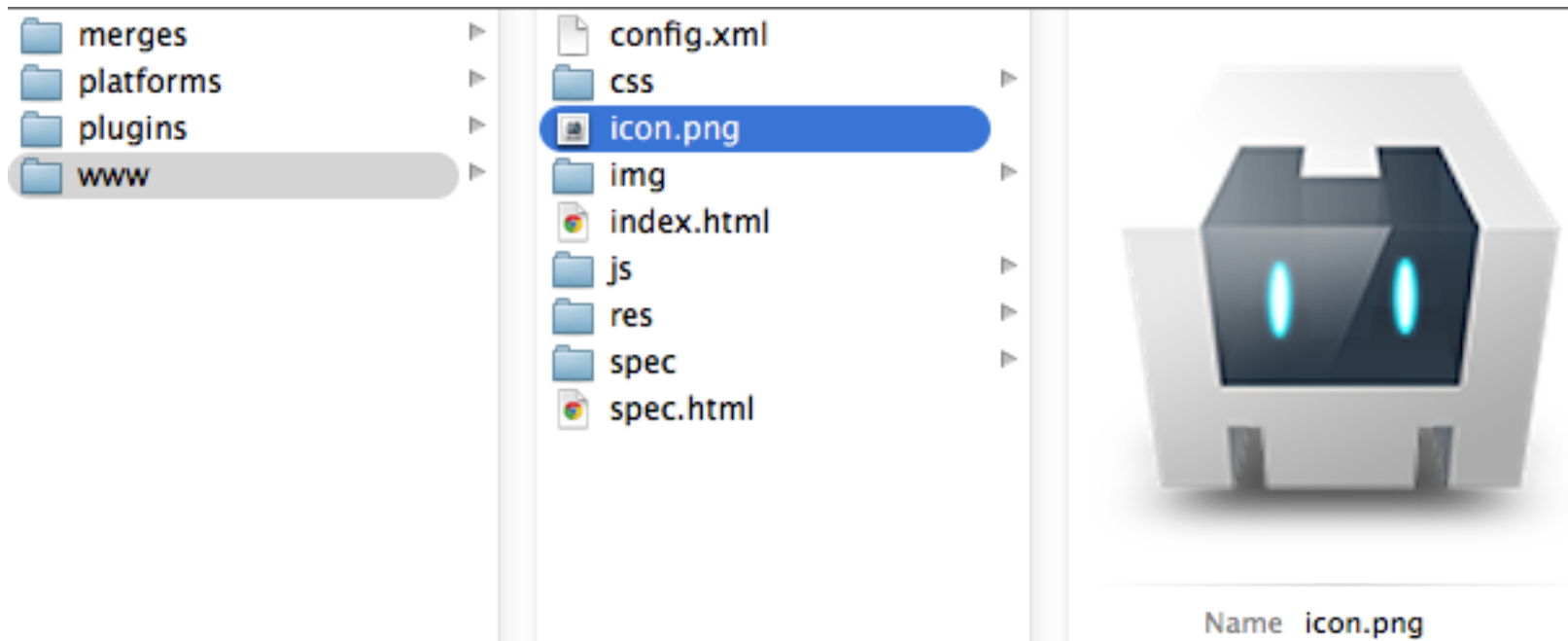
We support classic, retina, iPhone 5 and iPad displays; the following will define splash screens for each of those. Standard iPads have two different splash screens, portrait, landscape. Retina iPads have two additional splash screens, retina portrait and retina landscape (PhoneGap 2.5.0+ only).

```
<gap:splash src="splash/ios/Default.png" gap:platform="ios" width="320"  
height="480" />
```

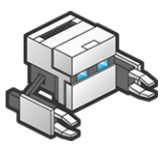


# icon.png

(128x128)

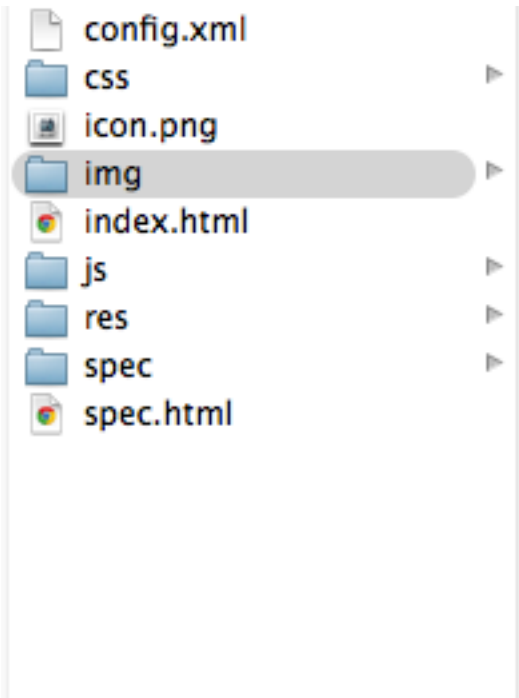


```
<icon src="icon.png" />
```

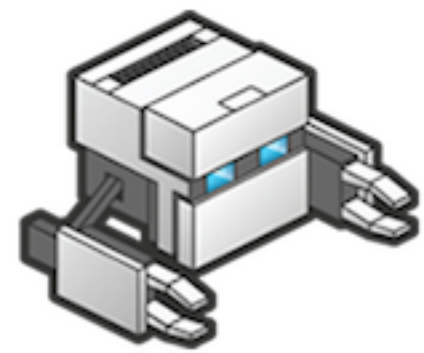


# logo.png

(172x200)



logo.png



Name logo.png  
Kind Portable Network...  
Size 30 KB

# icon/ios/icon-57.png

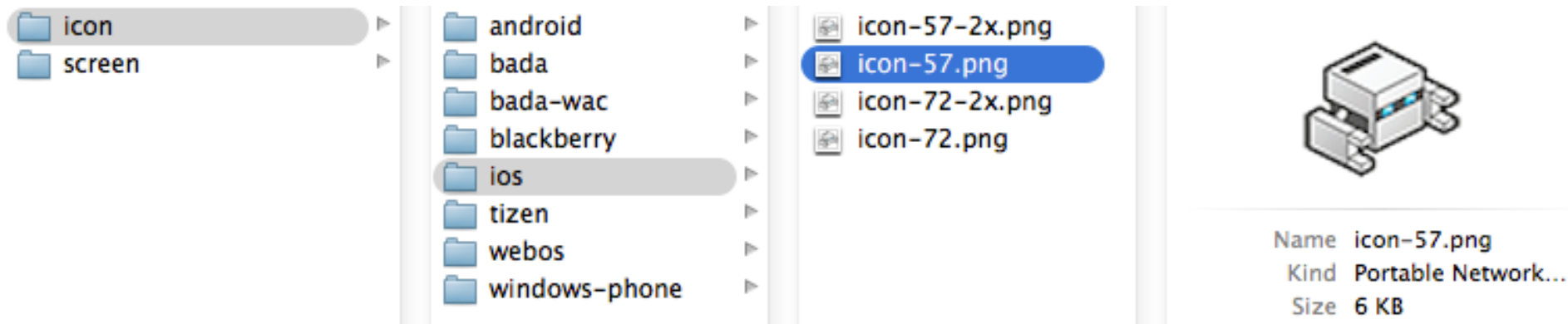
## (57x57)

### config.xml

```
<icon src="icon.png" />
<icon gap:density="ldpi" gap:platform="android" src="res/icon/android/icon-36-ldpi.png" />
<icon gap:density="mdpi" gap:platform="android" src="res/icon/android/icon-48-mdpi.png" />
<icon gap:density="hdpi" gap:platform="android" src="res/icon/android/icon-72-hdpi.png" />
<icon gap:density="xhdpi" gap:platform="android" src="res/icon/android/icon-96-xhdpi.png" />

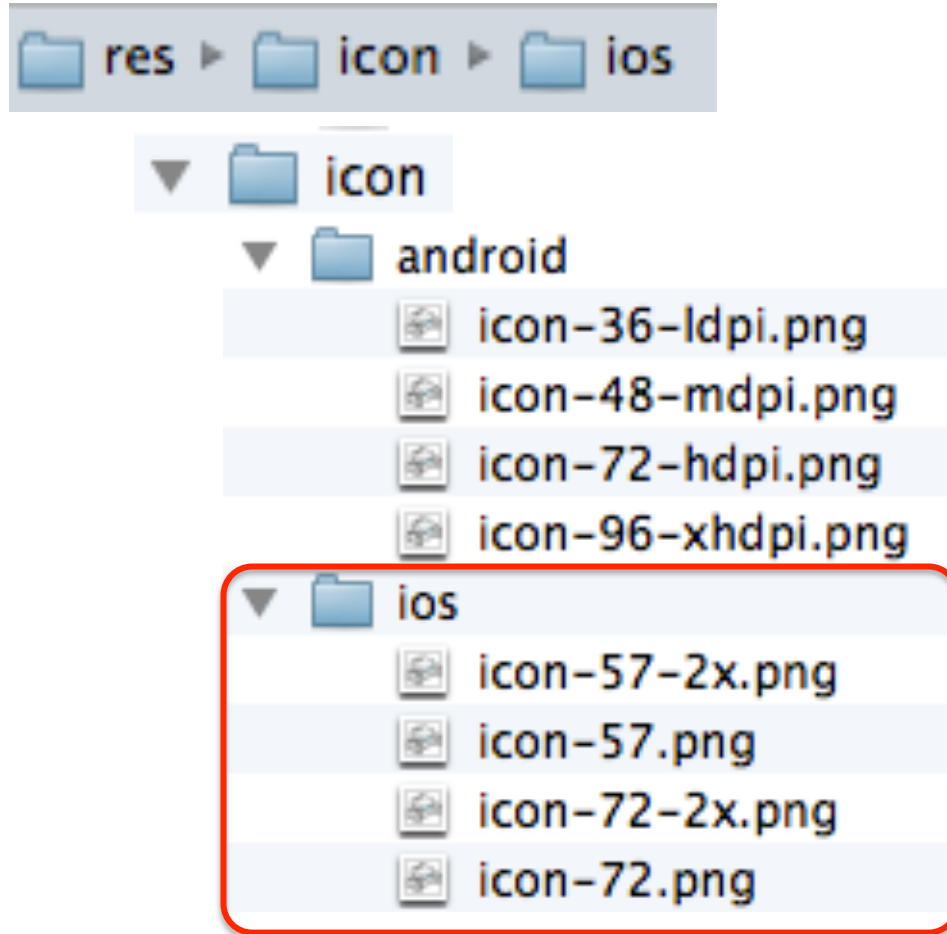
<icon gap:platform="ios" height="57" src="res/icon/ios/icon-57.png" width="57" />
<icon gap:platform="ios" height="72" src="res/icon/ios/icon-72.png" width="72" />
<icon gap:platform="ios" height="114" src="res/icon/ios/icon-57-2x.png" width="114" />
<icon gap:platform="ios" height="144" src="res/icon/ios/icon-72-2x.png" width="144" />
```

# icon/ios/icon-57.png (57x57)



```
<icon gap:platform="ios" height="57"  
src="res/icon/ios/icon-57.png" width="57" />
```

# icon/ios/icon-57.png (57x57)



```
<icon gap:platform="ios" height="57"  
src="res/icon/ios/icon-57.png" width="57" />
```

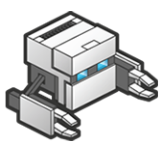
# Pixel density

Resolution: 320x480 (2048x1536)

PPI: 64 (326)

Model	Generations	Diagonal cm (in)	Resolution	ppcm (PPI)
iPad	1st Gen, 2	25 (9.7)	1024×768	52 (132)
iPad / iPad Air	3rd Gen, 4th Gen	25 (9.7)	2048×1536	104 (264)
iPad Mini	2nd Gen	20 (7.9)	2048×1536	128 (326)
iPhone 3GS	3 / 3rd Gen	8.9 (3.5)	320×480	64 (163)
iPhone 4 / iPod Touch	4 / 4th Gen	8.9 (3.5)	960×640	128 (326)
iPhone 5S	5S / 6th Gen	10 (4)	1136×640	128 (326)





# screen-iphone-landscape.png

## (320x480)

File Explorer view showing the directory structure:

- icon
- screen
  - android
  - bada
  - bada-wac
  - blackberry
  - ios
  - tizen
  - webos
  - windows-phone

Files in the 'ios' folder:

- screen-ipad-landscape-2x.png
- screen-ipad-landscape.png
- screen-ipad-landscape-2x.png
- screen-ipad-landscape.png
- screen-iphone-landscape-2x.png
- screen-iphone-landscape.png
- screen-iphone-landscape-2x.png
- screen-iphone-landscape.png
- screen-iphone-landscape-568h-2x.png
- screen-iphone-landscape.png

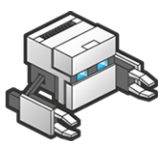
Resolution options:

- 320×480
- 640×960
- 640×1136
- 768×1004
- 1536×2008

File details:

Name	screen-iphone-landscape.png
Kind	Portable Network...
Size	29 KB

```
<gap:splash gap:platform="ios" height="480" src="res/  
screen/ios/screen-iphone-landscape.png"  
width="320" />
```



# screen-mdpi-portrait.png

## (320x480)

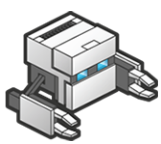
android  
bada  
bada-wac  
blackberry  
ios  
tizen  
webos  
windows-phone

screen-hdpi-landscape.png  
screen-hdpi-portrait.png  
screen-ldpi-landscape.png  
screen-ldpi-portrait.png  
**screen-mdpi-landscape.png**  
**screen-mdpi-portrait.png**  
screen-xhdpi-landscape.png  
screen-xhdpi-portrait.png

200x320  
320x480  
480x800  
720x1280

Name screen-mdpi-portrait.png  
Kind Portable Network Graphics...  
Size 29 KB

```
<gap:splash gap:density="mdpi" gap:platform="android" src="res/  
screen/android/screen-mdpi-portrait.png" />
```



# config.xml (part 3/3)

## gap:splash

```
<gap:splash gap:density="ldpi" gap:platform="android" src="res/
screen/android/screen-ldpi-portrait.png" />
<gap:splash gap:density="mdpi" gap:platform="android" src="res/
screen/android/screen-mdpi-portrait.png" />
<gap:splash gap:density="hdpi" gap:platform="android" src="res/
screen/android/screen-hdpi-portrait.png" />
<gap:splash gap:density="xhdpi" gap:platform="android" src="res/
screen/android/screen-xhdpi-portrait.png" />
<gap:splash gap:platform="blackberry" src="res/screen/
blackberry/screen-225.png" />
<gap:splash gap:platform="ios" height="480" src="res/screen/
ios/screen-iphone-portrait.png" width="320" />
<gap:splash gap:platform="ios" height="960" src="res/screen/ios/
screen-iphone-portrait-2x.png" width="640" />
<gap:splash gap:platform="ios" height="1024" src="res/screen/
ios/screen-ipad-portrait.png" width="768" />
<gap:splash gap:platform="ios" height="768" src="res/screen/ios/
screen-ipad-landscape.png" width="1024" />
<gap:splash gap:platform="winphone" src="res/screen/windows-
phone/screen-portrait.jpg" />
<access origin="http://127.0.0.1*" />
</widget>
```

### Image Size

Pixel Dimensions: 768.0K

Width: 512 Pixels

Height: 512 Pixels

Document Size:

Width: 18.06 Centimeters

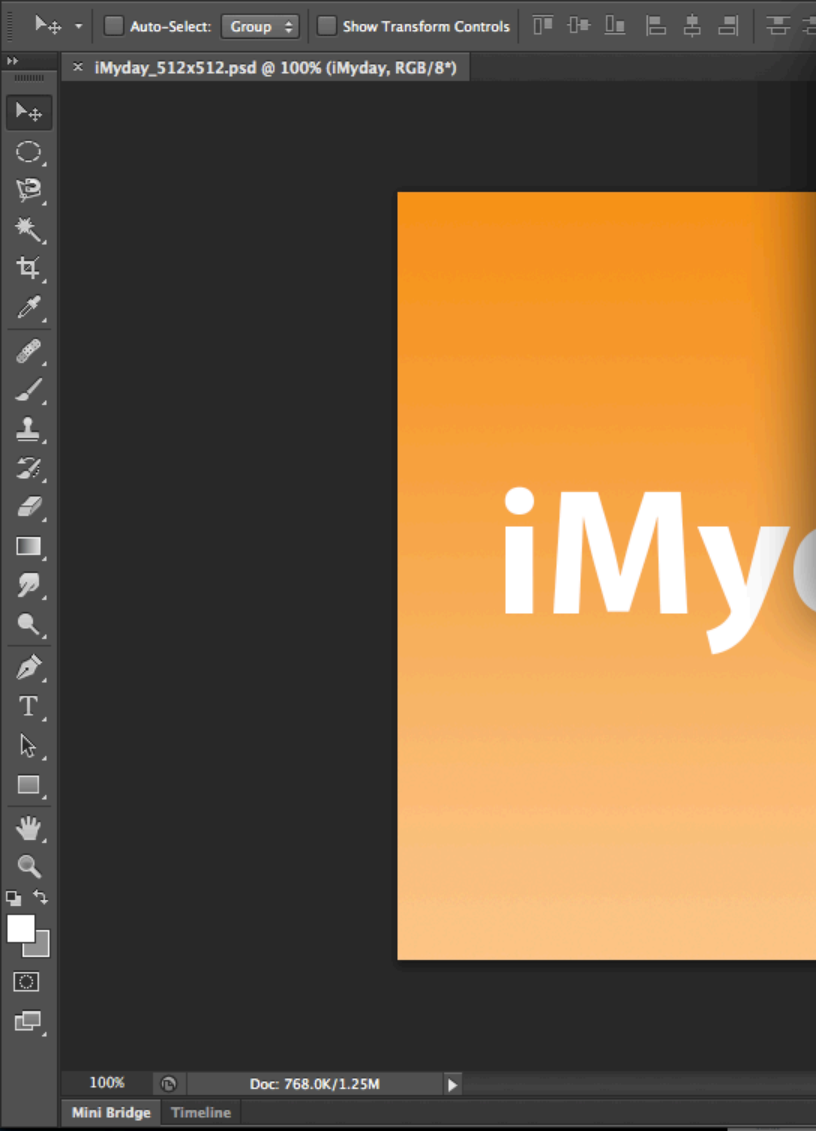
Height: 18.06 Centimeters

Resolution: 72 Pixels/Inch

- Scale Styles
- Constrain Proportions
- Resample Image:

Bicubic Automatic

OK Cancel Auto...



### Essentials

Color Swatches

Adjustments Styles

Add an adjustment

Layers Channels Paths

Kind: [icon] [icon] [icon] [icon]

Normal Opacity: 100%

Lock: [icon] [icon] [icon] [icon] Fill: 100%

- iMyday
- Layer 1
- Background

fx [icon] [icon] [icon] [icon]

### Image Size

Pixel Dimensions: 9.52K

Width: 57 Pixels  
Height: 57 Pixels

Document Size:

Width: 2.01 Centimeters  
Height: 2.01 Centimeters  
Resolution: 72 Pixels/Inch

Scale Styles  
 Constrain Proportions  
 Resample Image:

Bicubic Automatic

OK  
Cancel  
Auto...

iMyday

Essentials

Color Swatches

Adjustments Styles

Add an adjustment

Layers Channels Paths

Kind

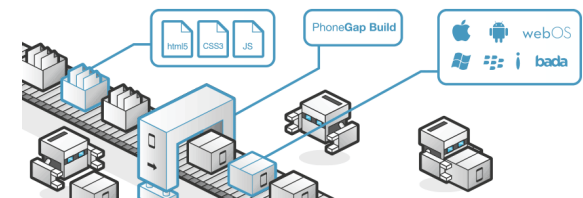
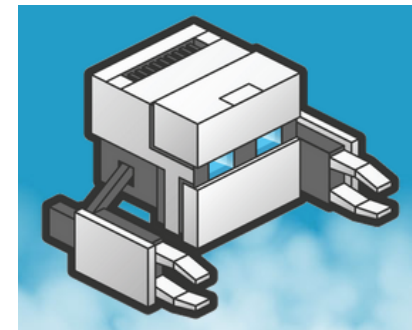
Normal Opacity: 100%

Lock: Fill: 100%

iMyday  
Layer 1  
Background

# Summary

- jQuery Mobile/PhoneGap
  - HTML5, CSS3, JavaScript
  - jQuery Mobile
  - PhoneGap
  - PhoneGap Build
    - index.html, css, js, png
    - config.xml
- Demo
  - Create Hybrid Apps with PhoneGap
  - Testing iOS and Android Devices



# References

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- Learn HTML5 and JavaScript for iOS: Web Standards-based Apps for iPhone, iPad, and iPod touch, Scott Preston, Apress, 2012
- PhoneGap
  - <http://phonegap.com/>
- PhoneGap Build
  - <https://build.phonegap.com/>
- jQuery Mobile
  - <http://jquerymobile.com/>
- Introduction to PhoneGap Build
  - <http://tv.adobe.com/watch/building-mobile-apps-with-phonegap-build/introduction-to-phonegap-build-building-your-first-app/>