MonoTouch, Part 1: iOS 6 Intro, Social Media, and Maps

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Meet the expert: Wallace McClure specializes in building applications that have large numbers of users and large amounts of data as well as user interface specific technologies such as AJAX, iPhone, and Android. He is a Microsoft MVP, ASPInsider, and a partner in Scalable Development, Inc. Wally has authored books on iPhone Programming with Mono/MonoTouch, Android Programming with Mono for Android, application architecture, ADO.NET and SQL Server, and finally AJAX.

Prerequisites: The course assumes knowledge of C# and .NET at an intermediate level. Some familiarity with OSX is helpful, but not required. A very basic understanding of XML is also required.

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Course description: This course takes a look at the iOS6 operating system and creating applications with MonoTouch. The course will start with an introduction to iOS 6 how it has grown, software support, how to support the older iOS systems plus other items. Next the course will dive into social web sites like Twitter and Facebook and incorporating updates into an application. Then the course will look into existing mapsand the new maps API.

Course outline:

Introduction
- Introduction
- Agenda
- New Features
- Development Requirements
- iOS6 Growth
- Software Support
- How to Support Older iOS
- Using the Older iOS/Xcode SDK
- Display
- iPhone Startup Images
- Retina Images
- Other Images
- Screen Dimensions
- Demo: Images
- Demo: Selecting Images
- Summary

Introduction Continued
- Introduction
- ViewWillUnload, ViewDidUnload
- DidReceiveMemoryWarning
- ViewWillDisappear
- Interface Orientation
- UI Navigation Bar
- Demo: Memory Warning
- Demo: Orientation Changes
- Demo: UINavigationBar
- Summary

Social Twitter
- Introduction
- Demo: iPhone Twitter App
- Demo: Twitter App Code
- Social Improvements
- Social Networks
- Twitter Account Setup
- Sending Tweets
- Completion Handler
- Calling Twitter API
- Demo: Calling Twitter API
- Summary

Social Facebook
- Introduction
- Facebook
- Post to Facebook
- Completion Handler
- The Facebook Graph
- Demo: Facebook Code
- Demo: Facebook Graph
- Summary

Existing Maps
- Introduction
- Apple Maps
- Map Initialization
- Other Methods and Objects
- Annotations
- Overlays
- Demo: New Apple Maps
- Demo: Map-Kit Maps
- Summary

New Maps API
- Introduction
- New Features
- MKLaunchOptions
- Demo: Apple Maps
- Summary