

Basic iPhone Application Development

Course Overview:

This 5 day course is for those new to software development. This course will cover the Objective C programming language, the iPhone Xcode IDE, how to build and Deploy applications, you will also learn how to work with the SQLite database.

Prerequisites:

No prior experience is required.

Who Should Attend this course?

Those who have an interest in developing iPhone applications.

Topics:

Objective C Basics

Xcode IDE & the UIKit framework

Touch Events

UIT Tableviews

How to make your app iPhone 4/iPhone 5 and iPad compatible

Storyboard

Hardware features

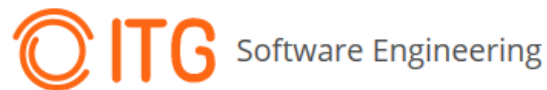
WebServices

SQLite

Plist

Coredata Framework

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Module 01 Objective C Basics	<ul style="list-style-type: none">• Comparing Object C to C++ & Java• Class Templates• NSObject• Objective C Syntax
Module 02 Xcode IDE	<ul style="list-style-type: none">• Developing a Basic Xcode project• Changing the background of an app• Font types / Font sizes / Using Alignment• Changing background and text color
Module 03 Responder Chain Pattern	<ul style="list-style-type: none">• Touch Events• Multi-Touch events• Motion events• Events for Controlling multimedia
Module 04 Multi-Controller Environment	<ul style="list-style-type: none">• Overview• Using the tab controller bar• Navigation• Creating tables
Module 05 Using UITableViews	<ul style="list-style-type: none">• Overview• Customizing Tables• Required Protocols• Creating custom cells
Module 06 iPhone Compatibility	<ul style="list-style-type: none">• Ensuring compatibility with all iOS devices.• iPhone5• iPad Mini• iPad Air
Module 07 Deployment	<ul style="list-style-type: none">• Starting Deployment• How to fetch the UDID• Formatting the bundle• Deploying the app
Module 08 Storyboard	<ul style="list-style-type: none">• Overview• Why Storyboard is important• When to use it• Integrating Storyboard into your app
Module 09	<ul style="list-style-type: none">• Enumeration

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Hardware Features	<ul style="list-style-type: none">• Using the accelerometer• Using the Motion sensor• Building and testing your app
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Module 10 WebServices	<ul style="list-style-type: none">• Client Server Architecture• SOAP and web services• XML• DOM & SAX parsers
Module 11 SQLite	<ul style="list-style-type: none">• Persistent storage• SQLite & creating a simple database• Code implementation• The Singleton class
Module 12 Front End Development	<ul style="list-style-type: none">• Connecting front end and the handler• Creating text fields and buttons• Using fast enumeration• UIAlertView
Module 13 Plist	<ul style="list-style-type: none">• Overview• Persistent Storage & Plists• Comparing dictionaries to arrays• Storing key value pairs with plists
Module 14 Coredata Framework	<ul style="list-style-type: none">• Coredata Framework• Pros & Cons of Coredata• When to use Coredata• Integrating Coredata into your app