

IOS Course Curriculum

Introduction to Development MAC OS, IDE – XCODE, Interface Builder

Mac versions –Features

OS versions -Features

Introduction to Xcode tool and Compilers

Creating Objective C classes and Methods

OOPS Concepts

Arrays,Set,Dictionaries

Application Lifecycle

Creating and building simple applications

Cocoa Design Patterns

What is MVC ?

Model ,View and Controller Classes

Cocoa Touch Architecture

The View Hierarchy

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Storyboard & UIElements

What is StoryBoard?

Create New StoryBoard

Adding Scenes

Segues

Create UI Elements

Handling Basic Interaction

Navigation Based Applications

Adding the Root View Controller

Creating the Navigation Controller

Controlling the Stack Navigation Programmatically

Table Views

Populating a Table View with Data

Static and Dynamic Table Views

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Delegates and DataSources

Table View Styles

Custom Cells

UICollectionView

Networking and Sharing.

Reachability

Synchronous Downloads

Asynchronous Downloads

Handling Timeouts

Sending HTTP GET and POST Requests

Parsing JSON & XML

Files and Folder Management.

Finding the Paths of the Most Useful Folders on Disk

Writing to and Reading from Files

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Creating Folders on Disk

Enumerating Files and Folders

Deleting Files and Folders

Saving Objects to Files

Concurrency and Multitasking

Grand Central Dispatch (GCD)

Serial and Concurrent Queues

Main Dispatch Queue

Completion Blocks

Operation Queues

Core Location Framework

Location Accuracy

Obtaining Location Information

Calculating Distances

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MapKit Framework and MKMapView

Notifications

Sending Notifications

Listening for and Reacting to Notifications

Listening and Reacting to Keyboard Notifications

Scheduling Local Notifications

Listening for and Reacting to Local Notifications

Handling Local System Notifications

Setting Up Your App for Push Notifications

Delivering Push Notifications to Your App

Reacting to Push Notifications

Core Data

Performing Batch Updates on Core Data

Writing to Core Data

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Reading Data from Core Data

Deleting Data from Core Data

Sorting Data in Core Data

Boosting Data Access in Table Views

Implementing Relationships in Core Data

Fetching Data in the Background

Using Custom Data Types in Your Core Data Model

Camera and the Photo Library

Detecting and Probing the Camera

Taking Photos with the Camera Taking Photos with the Camera

Taking Videos with the Camera

Storing Photos in the Photo Library

Storing Videos in the Photo Library

Searching for and Retrieving Images and Videos

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Reacting to Changes in Images and Videos

Editing Images and Videos Right on the Device

Objective-C for Experienced Programmers

Classes, Objects, and Methods

Declared Properties

Memory Management

Automatic Reference Counting (ARC) o Categories and Extensions

Formal and Informal Protocols o Blocks

Singleton Pattern

Build Settings & Multiple Target

Localization Strings

Final Project Needs

How to create Target

How Add Library & Framework third party

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How to generate spa file

Generate Certificate From Apple Account

App Submission Process

Refernces Sites & Books Apps