

Advanced IOS App Development (MD103)

48 Hours

Outline

This hands on course covers advanced topics in IOS development. It will provide you with Programming skills and experience required to build a complete IOS app.

Target Audience

Programmers with basic knowledge of basic IOS development.

Prerequisites

Delegates for this course need to be experienced programmers in another programming language and have good understanding of object oriented programming principals and design patterns. For those without a previous knowledge of C Language, the first day of the course (optional) will cover basic C topics. In order to work outside the class, participants must have access to a Mac computer running Mac OS X 10.10 or better, and have Xcode 6.3 or better installed

Contents

Model 1: Dynamics, Graphics and Animation of UI

Model 2: GPS Locations

Model 3: Maps

Model 4: Gesture Recognizers

Model 5: Network and Communication

- Downloading Data
- Uploading Data
- Customized HTTP Request
- Serializing JSON
- TCP Communication

Model 6: Multimedia

- Audio
- Video

Model 7: Camera

Model 8: Notifications

- Local
- Remote Push

Model 9: Files

- Folders
- Writing
- Reading

Model 10: Database and Core Data

Model 11: Calendar and Events

Model 12: Core Motion

- Accelerometer
- Gyroscope