

Xamarin Mobile Application Development For IOS and Android

4 Days Course • Instructor Led Training

Course Overview

C# is one of the most popular development languages in the world. While it was originally possible to build .NET apps running on Windows-based devices only, the game has changed. Dramatically. Using Xamarin, we can now write apps which run on Android and iOS devices natively using C#. This way, C# allows us to target billions of extra devices using the language we all love. The experiences which users get from Xamarin base apps is - fully native

In this 4 day course, you'll learn about the Xamarin environment. You'll learn about cross- platform development Xamarin.Android and Xamarin.iOS.

Pre-Requisites

It is required to have previous knowledge and experience of Java or C# or Swift programming language.

Who Should Attend?

This course is ideal for programmers and developers who wish to develop mobile applications based on both Android and Apple IOS platform. And they do not need to follow native development using Android Studio or XCODE.

Course Outline

– Day 01

Segment 01: Xamarin for Mobile Development

- Overview of Xamarin
- Xamarin iOS
- Xamarin Android
- Xamarin Forms

Segment 02: Architecting Solutions for Cross-Platform Development

- Creating Shared Code Projects
- Portable Class Libraries
- Working with shared components
- Testing

– Day 02

Segment 03: Android Development with Xamarin

- Setting Up an Android Development Environment
- Creating Android Views
- Activities and Intents
- Calling Android Services
- Testing and Debugging Xamarin Android Applications

Segment 04: ListViews and Adapters in Android

- Populate a ListView using an ArrayAdapter
- Handle list-item click events
- Implement a custom adapter
- Use layout recycling and the view-holder pattern
- Enable fast scrolling and code a section indexer

– Day 03

Segment 05: iOS Development with Xamarin

- Setting Up an iOS Development Environment
- Creating iOS Views

Course Outline

- iOS Controllers
- Testing and Debugging Xamarin iOS Applications

Segment 06: Cross-Platform Development with Xamarin.Forms

- Understanding XAML
- Page Views
- Controls
- Layout Views

Segment 07: Navigation

- Navigation Patterns
- Modal Views
- Tabbed Views

– Day 04

Segment 08: Data-Binding

- Data Access Classes
- NET
- Binding to SQLite Database Data

Segment 09: Working with iOS Table Views

- Explore table views
- Implement cell reuse
- Customizing table views
- Group Data in table view

Segment 10: Deployment

- Deploying iOS Apps to the App Store
- Deploying Android Apps to Google Play Store