

Windows Phone 8 Application Development with C#

Course Summary Table

Duration:	40 hours instructor-led course
Target Audience:	.NET software developers who wish to develop C# Applications for Windows Phone 8.x
Pre Requisites:	At least 1 years of experience in C# development Familiarity with UI concepts and/or a UI framework – advantage Basic familiarity with XAML – advantage
Objectives:	The participant will learn how to develop Windows Phone 7.x/8 applications using Visual Studio 2012 and Windows Phone SDK

Abstract

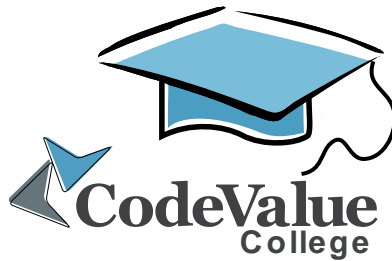
Windows Phone 8, Microsoft's new Operating System for smartphones, has been reinvented and redesigned based on the new Windows 8 OS core, provides speed and reliability and great integration with Windows 8 that has never seen before on Windows based smartphones.

Developing Windows Phone 8 applications is done using the new Windows Phone 8 SDK and Visual Studio 2012/2013 running on Microsoft's Windows 8.x OS.

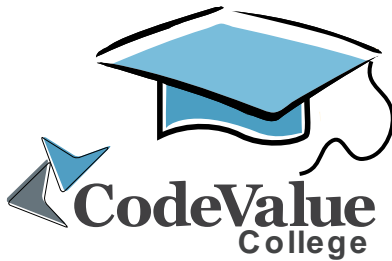
In this 5 days instruction led course, you will learn how to build connected Windows Phone 8.x applications using C# on top of the Windows Phone 8.x SDK. You will also learn how to create Windows Phone 8 application UI with rich user experience using XAML, access device hardware such as the Camera, GPS and NFC, create and update Live Tiles, handle push notifications and finally how to package and deploy your applications.

Syllabus

- ▼ Module 1: Introduction to Windows Phone Development



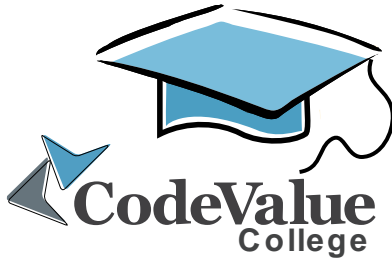
- ✔ Windows Phone Devices
- ✔ Windows Phone Development Tools
- ✔ Creating a first Windows Phone application
- ✔ Module 2: User Interface
 - ✔ XAML and XAML Designer
 - ✔ Basic Controls
 - ✔ Layout and Screen Orientation
 - ✔ Data Binding and the MVVM Pattern
 - ✔ Pivot and Panorama
 - ✔ Text and Fonts
 - ✔ Input Handling
 - ✔ Styles and Control Templates
 - ✔ Application and Status Bar
 - ✔ Themes
 - ✔ Globalization and Localization
- ✔ Module 3: Application Model and Life Cycle
 - ✔ Application Execution State
 - ✔ Frame, Page and Navigation Model
 - ✔ Splash Screen
 - ✔ Application Data
- ✔ Module 4: Device Integration
 - ✔ Launchers and Choosers
 - ✔ Creating and Updating Tiles
 - ✔ Displaying Toast notifications
 - ✔ Lock Screen Interaction
 - ✔ Contacts and Calendar



- ✔ Speech Recognition and Speech Synthesis
- ✔ Media
- ✔ Wallet
- ✔ File and URI Associations
- ✔ Module 5: Runtime and Multitasking
 - ✔ Application Launching
 - ✔ Fast Application Switching
 - ✔ Scheduled Tasks
 - ✔ Background Audio
 - ✔ Background File Transfers
 - ✔ Scheduled Notifications
- ✔ Module 6: Accessing Device Hardware
 - ✔ Accessing Device Status
 - ✔ Camera, Video and Audio
 - ✔ Location and Maps
 - ✔ Motion and Device Orientation
- ✔ Module 7: Communication
 - ✔ Web and Data Services
 - ✔ Sockets
 - ✔ Bluetooth
 - ✔ NFC
 - ✔ VoIP
 - ✔ Data Sense
 - ✔ Push notifications
- ✔ Module 8: Packaging and Deployment
 - ✔ Company Applications



- ✔ Enterprise hub
- ✔ The Store
- ✔ The Certification Process



Course Compatibility Questionnaire

Please answer the following questions as accurately as possible:

Name: _____ Email: _____
 Company: _____ Phone: _____

Language / Technology / Platform	Years of Experience						Level of Familiarity				
.NET Framework	0-1	1-2	2-3	3-4	4-5	5+	1	2	3	4	5
C#	0-1	1-2	2-3	3-4	4-5	5+	1	2	3	4	5
WPF/Silverlight	0-1	1-2	2-3	3-4	4-5	5+	1	2	3	4	5
XAML	0-1	1-2	2-3	3-4	4-5	5+	1	2	3	4	5
UI	0-1	1-2	2-3	3-4	4-5	5+	1	2	3	4	5
Android	0-1	1-2	2-3	3-4	4-5	5+	1	2	3	4	5
iPhone	0-1	1-2	2-3	3-4	4-5	5+	1	2	3	4	5
Other _____	0-1	1-2	2-3	3-4	4-5	5+	1	2	3	4	5

Have you developed Windows Phone 8 application before? Which language have you used?

What are your expectations from the course?

Thanks!

<http://college.codevalue.net/>