

Xamarin.Android Level 2 Introduction

Official Xamarin Curriculum

Overview

This module, Xamarin.Android Level 2, is intended for those that have successfully completed the Xamarin.Android Level 1 curriculum. With the successful completion of Xamarin.Android Level 1 the student is now ready to take the next step and build up their skills and expertise. Using the familiar format of hands on guided walkthroughs, the student will write applications that cover the following topics:

- ➔ **Basic Form Controls** – This chapter will discuss the View classes such as *Button*, *EditText*, *CheckBox*, and more that make up a UI.
- ➔ **Web View** – This chapter will cover integrating the *WebView*, a specialized View which embeds a web browser into an Android application.
- ➔ **Data** – In this chapter the student will be introduced to SQLite and shown how to use this embedded database to store data on the device.
- ➔ **Android Services** – The student will be shown how to perform work in the background using Android Services.
- ➔ **Web Services** – In today's connected world it is often necessary for a mobile device to interact with web sites. This chapter will explain how an Android application may consume web services to make this interaction possible.
- ➔ **Device / Shared Resources** – This chapter will cover how to use resources on the device such as the file system, the GPS and Google Maps, the Camera,
- ➔ **Widgets** – This chapter will cover how to place concise information from an application on the home screen by using an Android component known as a widget.

By the end of this module, the student will have completed several applications, and will be prepared to pass the *Xamarin Certified Android Developer* test, and is well on their way for the more general *Xamarin Certified Mobile Developer* test.