

## LEARNING Xamarin.Android

Free unaffiliated eBook created from **Stack Overflow contributors.** 

#xamarin.an

droid

## **Table of Contents**

About	
Chapter 1: Getting started with Xamarin.Android	2
Remarks	2
Versions	2
Examples	3
Get started in Xamarin Studio	3
Get Started in Visual Studio	5
Chapter 2: App lifecycle - Xamarin.Andorid	8
Introduction	8
Remarks	8
Examples	8
Application lifecycle	8
Activity lifecycle	9
Fragment lifecycle	11
Full sample on GitHub	13
Chapter 3: Barcode scanning using ZXing library in Xamarin Applications	15
Introduction	15
Examples	15
Sample Code	15
Chapter 4: Bindings	16
Examples	16
Removing Types	16
Implementing Java interfaces	16
Bindings libraries may rename methods and interfaces	17
Chapter 5: Custom ListView	18
Examples	18
Custom Listview comprises of rows that are designed as per the users needs	18
Chapter 6: Dialogs	24
Remarks	24
Examples	24

Alert dialog	24
Chapter 7: Dialogs	26
Parameters	26
Remarks	26
Examples	27
AlertDialog	27
Simple Alert Dialog Example	27
Chapter 8: How to correct the orientation of a picture captured from Android device	30
Remarks	30
Examples	30
How to correct the orientation of a picture captured from Android device	30
Chapter 9: Publishing your Xamarin.Android APK	38
Introduction	38
Examples	38
Preparing your APK in the Visual Studio	38
Important	41
Enabling MultiDex in your Xamarin.Android APK	48
How to use MultiDex in your Xamarin.Android app	48
Enabling ProGuard in your Xamarin.Android APK	51
How to use ProGuard in your Xamarin.Android app	52
"Mysterious" bugs related to ProGuard and Linker	53
Understanding Xamarin.Linker	54
Understanding ProGuard	56
Chapter 10: RecyclerView	60
Examples	60
RecyclerView Basics	60
RecyclerView with Click events	64
Chapter 11: Toasts	67
Examples	67
Basic Toast Message	67
Colored Toast Messages	67
Change Toast Position	68

Chapter 12: Xamarin.Android - Bluetooth communication	69
Introduction	69
Parameters	69
Examples	69
Send and receive data from and to bluetooth device using socket	69
Chapter 13: Xamarin.Android - How to create a toolbar	71
Remarks	71
Examples	71
Add toolbar to the Xamarin.Android application	71
Credits	75

## **About**

You can share this PDF with anyone you feel could benefit from it, downloaded the latest version from: xamarin-android

It is an unofficial and free Xamarin. Android ebook created for educational purposes. All the content is extracted from Stack Overflow Documentation, which is written by many hardworking individuals at Stack Overflow. It is neither affiliated with Stack Overflow nor official Xamarin. Android.

The content is released under Creative Commons BY-SA, and the list of contributors to each chapter are provided in the credits section at the end of this book. Images may be copyright of their respective owners unless otherwise specified. All trademarks and registered trademarks are the property of their respective company owners.

Use the content presented in this book at your own risk; it is not guaranteed to be correct nor accurate, please send your feedback and corrections to info@zzzprojects.com

## Click here to download full PDF material