

Mobile Apps Development using XAMARIN Studio

1 Xamarin. Android Architecture

Need of Xamarin. Android
About Mono
Mono and Dalvik
Android Binding Design
Development Environment

2 Creating a Sample App

Installing xamarin. Android
Creating the App
Running and debugging App
Creating and Customizing
emulators
Debugging with an Android
Device

3 User Interface Design

Action Bar
Autocomplete
Calendar
Date Picker
Time Picker
Form Elements
Spinner
Navigation Bar
Pop Up menus
Texture View
List View and Adapters
Grid View
Web view
Grid Layout
Linear Layout
Relative Layout
Table Layout
Tabbed Layout

4 Fragments

Creating a Fragment
Managing Fragments
Specialized Fragment Class

- Providing backward Compatibility
- 5 Data Storage mechanism**
 - Creating Entity Class
 - Creating Storage services
 - Implementing Storage services
- 6 Location and Map Integration**
 - Location Services
 - Navigating to the Maps
- 7 Camera API integration**
 - Required permission and features
 - Extending data service
 - Capturing and Image
 - Display existing Images
- 8 Deploy App**
 - App Distribution options
 - Disable Debug
 - Published Signed Apk
- 9 User Interface with iOS**
 - Basic text Input
 - Buttons
 - Images
 - Slider
 - Switch
 - Segmented Controls
 - Auto sizing and Autorotation
 - Closing keypad
- 10 Creating iOS Application using Code**
 - Creating Window
 - Adding a Controller
 - Creating View controller
 - Adding Text Fields
 - Adding Buttons
 - Handling Rotation
- 11 Working with Table View**

Table parts and functionality
Populating a Table with Data
Customizing a Tables' appearance

12 Introduction to Maps

Adding a Map
Map Style
Zooming
User Location

13 Publishing App on App Store