

Android

Overview

This Android training course is designed to quickly get you up to speed how to make Android apps for Android devices. This Android development training course will teach you the basis of the Android platform and the application lifecycle. You will be able to write simple GUI applications, use built-in widgets and components, work with the database to store data locally, and much more by the end of this Android training course.

Objectives

As a result of taking this Android training course, you will be able to:

- Describe the platforms upon which the Android operating system will run.
- Create a simple application that runs under the Android operating system.
- Access and work with the Android file system.
- Create an application that uses multimedia under the Android operating system.
- Access and work with databases under the Android operating system.

Audience

This course is designed for software developers interested in designing, creating, deploying, and testing applications for the Android™ mobile phone platform. It is valuable to both novices and gurus, who already have experience in developing mobile applications for other platforms.

Prerequisites:

- Java/OOP programming is required. The Java prerequisite can be met by either having the equivalent
- Java /OOP programming experience or completing *Programming in Java 6 with Swing and Servlets*

Outlines

- Simple intro to mobile platforms
- Android Development Tools
- Kind of JAVA that used in programming
- Using of UI components
- Creating custom components

Android (Outlines Continued)

- Using of layout managers
 - Workshop
 - Create custom layout managers
 - Arrange UI components
 - User navigation (click, touch, drag,...etc
 - Manage drawing areas
 - Managing multimedia
 - Workshop
 - Drawing and rendering images
 - Using audio
 - Using rich media
 - Access local files read & write
 - Using SQL lite
 - Workshop
 - Access local files read & write
 - HTTP connections
 - Socket connections
 - Parse XML format
 - Use the calendar
 - Workshop
 - Use contacts
 - Using tasks
 - Getting latitude& longitude
 - Send data to client
 - Receive data from server
 - How to Package your application for uploading to marketplace (Singing & Uploading)
 - Workshop