

# Java Training: Mastering Android Development (ANDDEV, 4 jours)

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## Description

The course Mastering Android Development (Java Training) teaches you how to develop apps on Android. The training includes initial project configuration, HTML5 & CSS and Java programming on Android devices. You learn to publish functional Android apps on Google Play that work on different devices & resolutions.

## Tarifs

- Tarification: \$3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

## Plan de cours

### Introduction to Android Development

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#### Overview of the Android platform

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The Dalvik Virtual Machine

The Android SDK (Eclipse ADT)

Structure of an Android application

Online Documentation

#### Getting Started

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Creating a new Android application with ADT

Creating a simple Activity

Setting up the Android Virtual Machine (AVM)

Running the application using AVM

Running on a Device

Debugging an Android Application

#### Creating the User Interface

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The Activity Lifecycle

Creating a View

Responding to Events

Using the Different Views

Localization and Application Resources

Using Lists and Menues

#### User Interface Best Practices

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Dealing with Screen Sizes

Ergonomics

Visual Designs

Working with Gestures

#### Under the Hood

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Using the Log

Using Collection Classes

Using Intents

Processes and Threads

Creating and Using a Library Project

#### Data Storage

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Shared Preferences

Internal and External Storage

SQLite Database

Network Connections

Multimedia

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Using the Canvas

Using MediaPlayer

Using MediaRecorder

Overview of OpenGL ES

Interacting with Android and Other Applications

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Creating a service

Broadcast Receivers

Content Providers

Creating Widgets

Completing the Application

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Signing and Versioning

Application Security and Permissions

Packaging the Application

Publishing on Android Market

Best Practices