



Android App Development Course Curriculum

Android App Development

01

Mission

Learn to build Android apps from scratch and how industry experts design Android Architectures. Use some of the famous libraries, and design beautiful User Interface.

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Course Description

Produce cloud-connected Android apps, and learn the tools, principles, and best practices of mobile and Android development that you'll apply to your own projects.

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Prerequisites

- General Requirements

You are enthusiastic and motivated to learn. Participation in this course requires consistently meeting project deadlines and active participation.

- Program-Specific Requirements

You have access to a computer with an internet connection, on which you'll install the latest Android Studio with SDK 23.

You can independently solve and describe your solution to a math or programming problem.

04

Jobs Which You Can Apply

Android Developer

05

Projects

1. Books Search
2. Movies App - Material Design
3. Quiz App

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Skills you will learn

1. Responsive Design
2. Material Design
3. Networking, Gradle
4. Libraries
5. Retrofit and Gson

Estimated Time	Modules	Project or Target	Learning Outcome
Day 1 & 2	Module 1 Java	Java	Collections, OOPS, Exceptions
Day 3 & 4	Module 2 Android Basics	Android Architecture	Android Architecture, Activities, Intent, XML, attributes, Lifecycle
Day 5 & 6	Module 3 Android Single Screen	Quiz App	Parent layouts (Linear, Relative), Image, Button, Text, EditText, ConstraintLayout
Day 7 & 8			
Day 9 & 10	Module 4 Permissions and Networking	Search Books [Google Books API]	HTTP [GET, POST, DELETE, PUT], API, JSON, Permissions, Menus, Multi-threading
Day 11 & 12			
Day 13 & 14	Module 5 Android Multi-screen UI	Movies UI [TMDb API]	Fragments, RecyclerView, Tabs, BottomTab, Material Design
Day 15 & 16			
Day 17 & 18	Module 6 Libraries: Retrofit, gson	Movies API [TMDb API]	Retrofit and Glide, gradle (build system)
Day 19 & 20			



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